

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
March 16, 2016, 8:30 a.m.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

At this time, members of the public will be given an opportunity to address the Board concerning items within the subject matter jurisdiction of the Board. Members of the public may also address the Board about a particular Agenda item at the time it is considered by the Board and before action is taken. If the item is on the Consent Calendar, please inform the Board Secretary before action is taken on the Consent Calendar and the item will be removed for separate consideration.

The Board requests, but does not require, that members of the public who want to address the Board complete a voluntary "Request to be Heard" form available from the Board Secretary prior to the meeting.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize items(s) which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present, or, if less than two-thirds of the Board members are present, a unanimous vote of those members present.)

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>.

NEXT RESOLUTION NO. 2029

CONSENT CALENDAR (Items 1 to 4)

(All matters under the Consent Calendar will be approved by one motion unless a Board member requests separate action on a specific item)

1. MINUTES

- a. February 3, 2016 Workshop Board Meeting
- b. February 16, 2016 Special Board Meeting
- c. February 17, 2016 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee: February 1, 2016
- b. Administration & Finance Committee: February 10, 2016

- c. Public Affairs & Legislation Committee: February 16, 2016
- d. Executive Committee Meeting: February 18, 2016

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of February 29, 2016
- b. MWDOC Disbursement Registers (February/March)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of January 31, 2016
- d. PARS Monthly Statement (OPEB Trust)
- e. Water Use Efficiency Projects Cash Flow

Recommendation: Receive and file as presented.

4. FINANCIAL REPORT

- a. Combined Financial Statements and Budget Comparative for the period ending January 31, 2016

Recommendation: Receive and file as presented.

– End Consent Calendar –

INFORMATION CALENDAR (All matters under the Information Calendar will be Received/Filed as presented following any discussion that may occur)

5. GENERAL MANAGER'S REPORT, MARCH 2016 (ORAL AND WRITTEN)

Recommendation: Receive and file report(s) as presented.

6. MWDOC GENERAL INFORMATION ITEMS

- a. Board of Directors - Reports re: Conferences and Meetings and Requests for Future Agenda Topics

Recommendation: Receive and file as presented.

ADJOURNMENT

Note: 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 contacting 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.

**MINUTES OF THE WORKSHOP BOARD MEETING
OF THE BOARD OF DIRECTORS OF
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC)
WITH THE MWDOC MET DIRECTORS
February 3, 2016**

At 8:30 a.m. President Osborne called to order the Workshop Board Meeting of the Board of Directors of Municipal Water District of Orange County (MWDOC) at the District facilities located in Fountain Valley. Director Barbre led the Pledge of Allegiance and Secretary Goldsby called the roll.

MWDOC DIRECTORS

Brett R. Barbre*
Larry Dick* (absent)
Joan Finnegan
Susan Hinman (absent)
Wayne Osborne
Sat Tamaribuchi (arr. at 8:35 am)
Jeffrey M. Thomas (absent)

MWDOC STAFF

Robert Hunter, General Manager
Karl Seckel, Assistant General Manager
Joe Byrne, Legal Counsel
Maribeth Goldsby, Board Secretary
Harvey De La Torre, Associate General Mgr.
Kevin Hostert, Water Resources Analyst
Jonathan Volzke, Public Affairs Manager
Melissa Baum-Haley, Sr. Water Resource Analyst

*Also MWDOC MET Directors

OTHER MWDOC MET DIRECTORS

Larry McKenney
Linda Ackerman

OTHERS PRESENT

Mark Monin
William Kahn
Mike Dunbar
Ken Vecchiarelli
Doug Reinhart
Peer Swan
Paul Weghorst
Paul Shoenberger
Drew Atwater
Dan Ferons
Dennis Erdman
Rick Erkeneff
Andy Brunhart
Mike Safranski
Gary Melton
Ed Means
Liz Mendelson-Goossens
Gary Breaux
Richard Eglash
Kelly Rowe

El Toro Water District
El Toro Water District
Emerald Bay Service District
Golden State Water Company
Irvine Ranch Water District
Irvine Ranch Water District
Irvine Ranch Water District
Mesa Water District
Moulton Niguel Water District
Santa Margarita Water District
South Coast Water District
South Coast Water District
South Coast Water District
Trabuco Canyon Water District
Yorba Linda Water District
Means Consulting
San Diego County Water Authority
Metropolitan Water District of S.C.
Brady & Associates
Water Resources Consultant

ITEMS RECEIVED TOO LATE TO BE AGENDIZED - Determine need and take action to agendize item(s), which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present or, if less than two-thirds of the Board members are present, a unanimous vote.)

No items were presented.

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

President Osborne inquired as to whether there were any items distributed to the Board less than 72 hours prior to the meeting with General Manager Hunter responding no items were distributed.

PUBLIC PARTICIPATION/PUBLIC COMMENTS

President Osborne inquired whether any members of the public wished to comment on agenda items.

No comments were received.

PRESENTATION/DISCUSSION/INFORMATION ITEMS

ORANGE COUNTY'S DROUGHT PERFORMANCE – NOVEMBER REPORT

Mr. Harvey De La Torre reported on Orange County's performance under the State Board's mandatory reduction, highlighting that Orange County retail water agencies reported an aggregated water savings of approximately 16% for the month of November 2015 (compared to November 2013 water usage), which falls short of the monthly conservation target of 22%. It was noted, however, that the cumulative savings for the six months into the State Board's mandatory regulations total 24.65%. Mr. De La Torre also provided information on MET's water storage levels, Orange County's water savings in November and December (along with historical water use information), precipitation levels, snowpack conditions, and the potential Table A State Water Project allocations for 2016 (currently at 15%).

Discussion ensued regarding water sales (and the impact conservation has had on MET's budget), snowpack levels, and the potential for penalties in the event conservation targets are not reached; Mr. De La Torre commented that Orange County agencies/cities would most likely avoid any MET penalties. Discussion also ensued regarding regulatory restrictions on the Delta and the amount of water being released to the ocean due to those restrictions. Mr. Peer Swan suggested MWDOC issue a press release outlining this fact.

The Board received and filed the report.

PRESENTATION BY METROPOLITAN WATER DISTRICT'S (MET) CHIEF FINANCE OFFICER GARY BREAUX ON MET'S PROPOSED BIENNIAL BUDGET AND RATES FOR FISCAL YEAR 2016/17 AND 2017/18

MET's Chief Financial Officer, Gary BreauX, presented information regarding MET's water supply, MET's proposed biennial budget and rates, and MET's ten-year financial forecast. Following a quick review of MET's water supplies, his presentation included information on the biennial budget and rates process and objectives, a summary of financial policies, a review of rate increases since 2007, important underlying assumptions (4% increases each year, water sales and exchanges, SWP allocations, CRA deliveries, Capital Improvement Projects, and PAYGO), full service costs and charges, and revenue and expenditure trends. Mr. BreauX concluded his presentation by providing information on MET's ten-year financial forecast, which includes projected rate increases and financial metrics, projected volumetric costs and revenue forecasts, expenditure forecasts, demand management, capital investment funding, and MET Debt Service. Mr. BreauX advised that the budget workshops would be held February 8, February 23, March 7, and March 22, with anticipated Board action on April 12, 2016.

Considerable discussion ensued, with specific emphasis on stranded assets (and the effect these may have on budgeting and rates), the untreated water rate increase (being driven by a combination of lower sales and increases in the State Water Project costs), the need to increase storage and not defer maintenance, and the Delta Water Fix and what monies are there for that effort, and how this may affect forecasting.

Following discussion, the Board received and filed the report as presented.

MWD ITEMS CRITICAL TO ORANGE COUNTY

- a. MET's Water Supply Conditions
- b. MET's Finance and Rate Issues
- c. Colorado River Issues
- d. Bay Delta/State Water Project Issues
- e. MET's Ocean Desalination Policy and Potential Participation by MET in the Doheny Desalination Project
- f. Orange County Reliability Projects
- g. East Orange County Feeder No. 2

The Board received and filed the information as presented.

OTHER INPUT OR QUESTIONS ON MET ISSUES FROM MEMBER AGENCIES

No comments were received.

METROPOLITAN (MET) BOARD AND COMMITTEE AGENDA DISCUSSION ITEMS

- a. Summary regarding January MET Board Meeting
- b. Review Items of significance for the Upcoming MET Board and Committee Agendas

No new information was presented.

ADJOURNMENT

There being no further business to come before the Board, the meeting adjourned at 9:40 a.m.

Maribeth Goldsby
Board Secretary

MINUTES OF THE SPECIAL MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
February 16, 2016

At 12:10 p.m. President Osborne called to order the Special Meeting of the Municipal Water District of Orange County Board of Directors, held in the Laguna Niguel Community Center, 30111 Crown Valley Parkway, Laguna Niguel, California. Director Finnegan led the Pledge of Allegiance.

MWDOC DIRECTORS

Brett R. Barbre (absent)
Larry Dick
Joan Finnegan
Susan Hinman
Wayne Osborne
Sat Tamaribuchi
Jeffery M. Thomas

STAFF PRESENT

Robert Hunter, General Manager
Maribeth Goldsby, Board Secretary
Karl Seckel, Assistant General Manager
Harvey De La Torre, Assoc. General Manager

ALSO PRESENT

Linda Ackerman
Larry McKenney
William Kahn
Fred Adjarian
Mark Monin
Scott Goldman
Bob Hill
Steve LaMar
Paul Cook
Debbie Neev
Rena Hinchey
Duane Cave
Scott Colton
Richard Fiore
Don Froelich
Joone Lopez
Matt Collings
Marc Serna
Drew Atwater
Paige Gulck
Tim Bonita
Phil Anthony
Shawn Dewane
Mike Markus
Saundra Jacobs
Charles Gibson
Justin McCuster
Charley Wilson
Dan Ferons
Jim Leach

MWDOC MET Director
MWDOC MET Director
El Toro Water District
El Toro Water District
El Toro Water District
El Toro Water District
El Toro Water District
Irvine Ranch Water District
Irvine Ranch Water District
Laguna Beach County Water District
Laguna Beach County Water District
Moulton Niguel Water District
Moulton Niguel Water District
Moulton Niguel Water District
Moulton Niguel Water District
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Moulton Niguel Water District
Orange County Water District
Orange County Water District
Orange County Water District
Santa Margarita Water District
Santa Margarita Water District
Santa Margarita Water District
Santa Margarita Water District
Santa Margarita Water District
Santa Margarita Water District

Wayne Rayfield
Dennis Erdman
Mike Safranski
Hector Ruiz
Betty Burnett
Liz Mendelson-Goossens
Dick Ackerman

South Coast Water District
South Coast Water District
Trabuco Canyon Water District
Trabuco Canyon Water District
South OC Wastewater Authority
San Diego County Water Authority
Ackerman Consulting

PUBLIC COMMENTS

Although no public comments were made, it was noted that Director Sandra Jacobs (Santa Margarita Water District), Chair of the South County Ad Hoc Committee, would chair the meeting.

Ms. Jacobs welcomed everyone and referenced the Settlement Agreement between MWDOC and its agencies, noting that the Agreement would expire in June 2016. She highlighted the improved working relationship between MWDOC and the agencies, but suggested the purpose of the meeting was to discuss important regional issues, understand each agencies' respective roles within the County and each other, and how to move forward, noting that a contract should not be needed to define the relationship between MWDOC and its agencies. She commented that the South County agencies also need to make more of an effort to attend MWDOC meetings to let MWDOC know what they want.

Ms. Jacobs advised that the meeting was designed for open dialogue among the elected officials – there was no scheduled presentation by any staff member.

Director Mike Safranski (Trabuco Canyon Water District), Vice Chair of the South County Ad Hoc Committee, provided an overview of how the Settlement Agreement came about, noting that in 2006 concerns were expressed with MWDOC's budget, reserve levels, and lobbying efforts. As a result, an Ad Hoc Committee was formed to work together on these issues. Coincidentally, in 2007, LAFCO conducted its Municipal Services Review, which identified issues between MWDOC and the agencies. The following several years, facilitated discussions took place which ultimately led to the execution of the June 2011 Settlement Agreement. He noted that the relationship between MWDOC and the South County agencies has very much improved and that he believed the Agreement brought positive results (e.g., appointment of Larry McKenney as MWDOC MET Director).

Director Justin McCuster (Santa Margarita Water District) commented that he is a relative newcomer to SMWD and he appreciated the background information. He noted that there still appears to be lack of clarity as to the roles between the agencies (e.g. legislative/advocacy) and that additional discussion regarding defining roles would be beneficial. He did note, however, that he has experienced improved dialogue between MWDOC and its agencies.

DISCUSSION ITEMS

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA ISSUES

- a. Communication
- b. 2-Year Budget and Long Range Financial Plan

- c. Integrated Resources Plan
- d. Water Use Efficiency

Director Steve LaMar (Irvine Ranch Water District) commented that although there have been many improvements between MWDOC and the agencies, he believed a restructuring of MWDOC's MET Workshop Board meeting would help the communication efforts and offer a venue for the agencies to be educated and informed on MET issues. He suggested that the meeting begin with a discussion with MWDOC's MET Directors on important issues coming up at MET that would most affect Orange County, as well as creating an agenda item that would allow the agencies an opportunity to raise issues important to them. Mr. LaMar noted that it is important for the agencies to attend the meetings and educate themselves on MET issues. He also indicated that it would be prudent for the agencies to coordinate advocacy efforts to ensure Orange County gets what it needs.

President Osborne agreed with Mr. LaMar, stating that the Workshop Board meeting provides an opportunity for everyone to come forth, hear what the MWDOC MET Directors are working on and what issues are vital. Mr. Osborne commented that although the agencies currently have the opportunity to speak on any agenda item, and that critical items are placed on each month's agenda, he suggested that the agenda be restructured for a better flow of information.

Mr. Osborne then referenced the semi-annual Elected Officials Forum that MWDOC holds (as a result of the Settlement Agreement) which gives the electeds and staff members from the agencies/cities an opportunity to discuss important issues; he indicated that the agencies don't always come prepared with questions. He also commented on the flow of information to each agency (through staff, etc.) suggesting this flow could be improved.

Directors Dick, Hinman, and Thomas all weighed in, agreeing with Mr. LaMar's remarks, and suggesting that the Workshop Board agenda be restructured to allow for a more "meaty" discussion on MET issues. Ms. Hinman suggested that MWDOC's Regular Board meeting (third Wednesday) include a standing item which would allow the opportunity for agencies to suggest agenda topics for the next Workshop Board meeting; Director Thomas did not believe this would be beneficial.

Mr. Thomas acknowledged that MWDOC has been very receptive to the ideas, desires, and wishes of the South County agencies; he supports a restructuring of the Workshop Board agenda (with a meaty discussion at the beginning), and hopes for continued cooperation and communication among the agencies.

Director Osborne commented that although the agencies want more in-depth information on MET issues, it can be difficult to convey that information because the issue can be technical and complex, and difficult to get feedback from the agencies before the MET Board acts.

Ms. Jacobs commented on the MET budget and rates, and asked for comments from the MWDOC Board regarding MET's proposed Biennial budget.

President Osborne noted that the proposed MET budget was just released, that the MWDOC Board hasn't had the opportunity to analyze the MET budget, that staff is in the process of evaluating the biennial budget, and that it will be presented at the Workshop Board meeting as the MET Workshops continue. Responding to an inquiry from Ms. Jacobs on how to disseminate this information to the agencies, Mr. Osborne expressed his belief that once the information is received, it should be forwarded (via email) to the agencies.

MWDOC MET Director Linda Ackerman highlighted her role as not only a MET Director representing Orange County, but her role as a MET Director for the MET region, noting that she does everything she can for her appointing agency (MWDOC), but also pays attention to MET's budget and business model, and how it affects Orange County and the region. She also emphasized the importance of the MWDOC Workshop Board meeting (first Wednesday of each month), noting that many times, presentations are given at that meeting prior to the MET Board receiving the presentation. She used the February meeting as an example, as MET's CFO, Gary Breau presented on the Biennial Budget before the MET Board received the presentation, which provided the prime opportunity for the agencies to listen and ask questions. She encouraged all to attend the Workshop Board meetings, to listen to the MET meetings on-line, and to come to the meetings armed with questions. She also highlighted MET's Integrated Resources Plan (IRP) Phase 2 coming up, advising that it is a very critical issue to pay attention to. Ms. Ackerman encouraged agencies to contact her directly with questions, comments, or ideas.

Director Tamaribuchi agreed with Mr. LaMar's comments, but also suggested MWDOC make better use of the Elected Officials Forum, and allow agencies a more proactive participation (presentations on local issues, etc.). He commented that he believed there was unanimous support among MWDOC's Board to try to work as a team with the agencies.

OCWD Director Shawn Dewane believed it an appropriate time to begin discussions on how to reorganize the water supply and distribution system for the purposes of water supply and reliability. He noted that with the enormous cost difference between groundwater and imported water, he believed it an opportune time to better utilize all of the resources.

RATE SETTING OUTLOOK FOR ORANGE COUNTY AGENCIES

- a. Constitutional/Legislative Proposal
- b. MWDOC Rate Study

Director Scott Goldman (El Toro Water District) referenced the litigation with San Juan Capistrano, and the rate discussion in general, and asked the MWDOC Directors what their views are on what role MWDOC plays with respect to Prop 218 issues. He also referenced the MWDOC Rate Study and the provision in the Settlement Agreement for MWDOC to convert to fixed rates. He summarized his questions to read (1) what are MWDOC's expectations out of the rate study; (2) Do you see MWDOC going to a variable rate model, or staying fixed; and (3) moving forward how does this rate model fit into long range financial model.

Directors Thomas, Osborne, Hinman, Finnegan and Dick responded, noting that the MWDOC Administration & Finance Committee has received two presentations on the progress of the rate study, the Member Agency Managers have received two status reports, and that MWDOC is considering three models on rate structures which should be decided on by May. Mr. Osborne advised that MWDOC (through its consultant) has received a poor response from the agencies to its survey on rates; he encouraged all of the agencies to respond.

Mr. Dick noted that although MWDOC is content with the issue, he asked the group their thoughts on the fact that since moving to a fixed rate on retail meters, OCWD does not pay for MWDOC services. No comments were made, other than OCWD Director Shawn Dewane commenting that MWDOC's fees are paid by the agencies they serve.

Discussion ensued regarding Prop 218, lobbying efforts (duplicate efforts by both MWDOC and the agencies), whether the agencies are satisfied with core/choice services, and the fact that MWDOC has a legal obligation to establish a basis for its rates. The participants also highlighted the need to get better City participation in these discussions.

ETWD Director William Kahn asked whether there was a specific meeting in which member agencies could provide input and comments on issues such as the rate study; it should be noted that all meetings are open for comments and that information on the rate study is presented to the Administration & Finance Committee.

SCWD Director Dennis Erdman commented on the recent WACO meeting wherein Tim Quinn gave a presentation on five strategic issues for ACWA, including making water markets work, and developing strategic initiatives. He suggested MWDOC look at what propels its budget (strategic initiatives) and spend the first half of the fiscal year developing these initiatives, and the second half on how to complete or accomplish these initiatives.

ORANGE COUNTY RELIABILITY PLANNING

- a. OC Reliability Study
- b. Drought Action
- c. Recycled Water Plans
- d. Desalination
- e. Water Transfers and Banking

LBCWD Commissioner Debbie Neev commented on city participation, noting that the main issue of concern for cities is reliability, and that the cities she serves are very anxious for Phase 2 of MWDOC's Reliability Study. She commended MWDOC staff for their efforts on the Reliability Study, and asked what MWDOC's long-term goals were, whether MWDOC was considering expanding services, and what MWDOC's ideas were with respect to reliability.

Director Dick highlighted the drought, levels of both the Colorado River and State Water Project (as both are shutdown at the moment), and hot weather. He suggested desalination

and recycling were the best projects for improving water reliability (wet water), but that the region also needs to address system reliability and the associated cost of everything.

Director Osborne commented that Phase 2 needs to be complete before comments on various projects could be made.

Director Hinman commended all the agencies for their participation in the Reliability Study, noting that it would not be MWDOC making the decisions on projects, but that of each agency and whether a project will work well for them; MWDOC will be looking at the regional benefits of each project.

SMWD Director Chuck Gibson commented that he is a proud member of the South County group of agencies and is pleased with what they have been able to accomplish. He noted the need to inform the public on what is needed. He also commented that MWDOC has supported each agency and each project, but the South County agencies have not been clear with MWDOC on what they would like to see happen.

Considerable discussion ensued regarding rates, cost of water, MET rates, desalination, reliability planning, the high cost of facilities the cost of conservation and how that factors into MET's rates, and the belief that many constituents in South County are willing to pay the higher rate of desalinated water.

Responding to a question by Director Jacobs on how the meeting went, Directors Osborne, Dick, Hinman, Finnegan, and Thomas commented that it went well, that MWDOC's Workshop Board meeting is held on the first Wednesday of each month for the purpose of educating the agencies and provides the opportune time for agencies to submit input and questions.

Ms. Jacobs thanked everyone for their participation, noting that the agencies are aware the Settlement Agreement will be expiring in June and that the South County agencies will meet in March/April to discuss the next steps, with an anticipated joint ad hoc committee meeting in May.

MNWD General Manager Joone Lopez summarized the discussion, noting that she anticipates the Settlement Agreement will be discussed at the May ad hoc committee meeting. She suggested a working group be organized to discuss timing and coordination of MET issues, rates, advocacy efforts, etc.

ADJOURNMENT

There being no further business to come before the Board, President Osborne adjourned the meeting at 2:15 p.m.

Respectfully submitted,

Maribeth Goldsby, Secretary

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
February 17, 2016**

At 8:30 a.m. President Osborne called to order the Regular Meeting of the Municipal Water District of Orange County in the Board Room at the District facilities located in Fountain Valley. Legal Counsel Russ Behrens led the Pledge of Allegiance and Secretary Goldsby called the roll.

MWDOC DIRECTORS

Brett R. Barbre
Larry Dick
Joan Finnegan
Susan Hinman
Wayne Osborne
Sat Tamaribuchi
Jeffery M. Thomas

STAFF

Robert Hunter, General Manager
Karl Seckel, Assistant General Manager
Russ Behrens, Legal Counsel
Maribeth Goldsby, Board Secretary
Harvey De La Torre, Associate General Mgr.
Jonathan Volzke, Public Affairs Manager
Joe Berg, Dir. of Water Use Eff. Programs
Kelly Hubbard, WEROC Programs Manager

ALSO PRESENT

Larry McKenney
Linda Ackerman
William Kahn
Andrew Hamilton
John Kennedy
Ray Miller
Rich Erkeneff
Dennis Erdman
Gary Melton
Richard Eglash

MWDOC MET Director
MWDOC MET Director
El Toro Water District
Mesa Water
Orange County Water District
San Juan Capistrano
South Coast Water District
South Coast Water District
Yorba Linda Water District
Brady & Associates

PUBLIC PARTICIPATION/PUBLIC COMMENT

President Osborne announced members of the public wishing to comment on agenda items could do so after the item has been discussed by the Board and requested members of the public identify themselves when called on. Mr. Osborne asked whether there were any comments on other items which would be heard at this time.

Ms. Maria Lanser, a high school student from Brea Olinda High School, thanked the Board for providing the high school Education Program, stating she has learned much from the program and is highly appreciative for the opportunity.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize items(s), which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present or, if less than two-thirds of the Board members are present, a unanimous vote.)

No items were added to the agenda.

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

President Dick inquired as to whether there were any items distributed to the Board less than 72 hours prior to the meeting.

It was noted that staff distributed an updated copy of the write up for Item 10-5 (SB 163/Hertzberg, Wastewater Treatment, Recycled Water) which reflects the Public Affairs & Legislation Committee recommendation.

CONSENT CALENDAR

President Osborne stated all matters under the Consent Calendar would be approved by one MOTION unless a Director wished to consider an item separately.

Director Barbre requested that his vote be reflected as "opposed" on Item 8 (2015/2016 Value of Water Choice Communications Plan). Upon MOTION by Director Thomas, seconded by Director Finnegan, and carried (7-0), the Board approved the Consent Calendar items as follows. Directors Barbre, Dick, Finnegan, Hinman, Osborne, Tamaribuchi, and Thomas voted in favor of items 1-7, and 9; and Directors Dick, Finnegan, Hinman, Osborne, Tamaribuchi & Thomas voted in favor of Item 8, with Director Barbre opposing.

MINUTES

The following minutes were approved.

January 6, 2016 Workshop Board Meeting
January 9, 2016 Special Board Meeting
January 13, 2016 Special Board Meeting
January 20, 2016 Regular Board Meeting

COMMITTEE MEETING REPORTS

The following Committee Meeting reports were received and filed as presented.

Planning & Operations Committee Meeting: January 4, 2016
Administration & Finance Committee Meeting: January 13, 2016
Public Affairs & Legislation Committee Meeting: January 18, 2016
Executive Committee Meeting: January 21, 2016
MWDOC/OCWD Joint Planning Committee Meeting: January 27, 2016

TREASURER'S REPORTS

The following items were ratified and approved as presented.

MWDOC Revenue/Cash Receipt Register as of January 31, 2016
MWDOC Disbursement Registers (January/February)

The following items were received and filed as presented.

MWDOC Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of December 31, 2016

PARS Monthly Statement (OPEB Trust)

Water Use Efficiency Projects Cash Flow

FINANCIAL REPORT

The following items were received and filed as presented.

Combined Financial Statements and Budget Comparative for the period ending December 31, 2016
Quarterly Budget Report

APPROVAL OF HOMELAND SECURITY GRANT PROJECT TO PURCHASE FUEL TRAILERS AND GENERATOR QUICK CONNECTIONS

The Board authorized staff to proceed with the Homeland Security Grant projects to purchase fuel trailers and generator quick connections. Staff will come back to the Board for any purchase award greater than \$25,000.

AUTHORIZATION OF PHASE 2 SCOPE OF WORK FOR CDM-SMITH

The Board authorized the General Manager to increase the CDM-Smith Scope of Work by \$131,080, as outlined in the Scope of Work presented. (This would bring the CDM Authorization to \$425,275 since the beginning of this effort.)

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

The Board (1) ratified the list of Standing Committee and Ad Hoc Committee appointments as presented; and (2) ratified the Committee meeting dates/times for 2016.

2015-2016 VALUE OF WATER CHOICE COMMUNICATIONS PLAN

The Board approved the *Orange County Register* contract. (Director Barbre opposed).

2015-2016 CONSUMER CONFIDENCE REPORTS

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

END CONSENT CALENDAR

ACTION CALENDAR**ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2016**

President Osborne announced that the proposed appointments to the Associations and Commissions for 2016 were before the Board for consideration.

Upon MOTION by Director Barbre, seconded by Director Thomas, and carried (7-0), the Board (1) ratified the appointment of Representatives and Alternates to Associations, as recommended by the President of the Board; and (2) adopted RESOLUTION NO. 2025 approving the appointment of Jeffery Thomas as Representative and Karl Seckel as Alternate to the Santiago Aqueduct Commission (SAC), for submission to SAC. Said RESOLUTION NO. 2025 was adopted by the following roll call vote:

AYES: Directors Barbre, Dick, Finnegan, Hinman, Osborne, Tamaribuchi & Thomas
NOES: None
ABSENT: None
ABSTAIN: None

Director Hinman requested staff follow up with her on when the Southern California Water Committee meetings are held.

**APPROVAL OF RESOLUTION DESIGNATING AUTHORIZED AGENTS FOR 2015-2018
FY GRANT TRANSFER AGREEMENTS FOR HOMELAND SECURITY GRANTS**

Upon MOTION by Director Hinman, seconded by Director Thomas, and carried (7-0), the Board adopted RESOLUTION NO. 2026 approving the execution of the 2015 Grant Transfer Agreement with the City of Santa Ana as the Local Urban Area Security Initiative (UASI) Administrator, approving the WEROC Program Manager and the General Manager as designated Authorized Agents for FY 2015-2018 Homeland Security Grants, and authorizing the execution of any subsequent agreements related to the Homeland Security Grants. Staff will return to the Board for a purchase award in the event the award is greater than \$25,000.

AYES: Directors Barbre, Dick, Finnegan, Hinman, Osborne, Tamaribuchi & Thomas
NOES: None
ABSENT: None
ABSTAIN: None.

**RESTATEMENT OF MUNICIPAL WATER DISTRICT OF ORANGE COUNTY MONEY
PURCHASE PENSION PLAN AND SUBMISSION TO INTERNAL REVENUE SERVICE**

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (7-0), the Board (1) adopted RESOLUTION NO. 2027 approving the restatement of the Municipal Water District of Orange County Money Purchase Pension Plan ("Plan"), effective January 1, 2016; (2) authorized the General Manager to execute the restated Plan document; (3) authorized the General Manager to give power of attorney to and instruct Best, Best & Krieger LLP ("BBK") to submit the Plan to the Internal Revenue Service ("IRS") for a determination regarding the Plan's qualified status and pay

the required amounts for the filing; and (4) authorized the General Manager to give power of attorney to and instruct BBK to submit an application under the IRS' voluntary correction program to correct certain required amendments and pay the required amounts for the filing.

Said RESOLUTION NO. 2027 was adopted by the following roll call vote:

AYES: Directors Barbre, Dick, Finnegan, Hinman, Osborne, Tamaribuchi & Thomas
NOES:None
ABSENT: None
ABSTAIN: None.

**AUTHORIZE ATTENDANCE AT CALIFORNIA SPECIAL DISTRICTS ASSOCIATION
LEGISLATIVE DAYS, MAY 17-18, 2016, SACRAMENTO**

Upon MOTION by Director Barbre, seconded by Director Dick, and carried (7-0), the Board authorized attendance for one staff member and one Board member to attend CSDA's Legislative Days on May 17-18, 2016. Directors Barbre, Dick, Finnegan, Hinman, Osborne, Tamaribuchi & Thomas voted in favor.

SB 163 (HERTZBERG) – WASTEWATER TREATMENT, RECYLED WATER

Director Barbre announced that the Public Affairs & Legislation Committee recommended no action be taken on SB 163 (Hertzberg); the Board concurred.

AB 1713 (EGGMAN) – SACRAMENTO SAN JOAQUIN DELTA, PERIPHERAL CANAL

Upon MOTION by Director Barbre, seconded by Director Thomas, and carried (7-0), the Board voted to "Oppose" AB 1713 (Eggman), sign on to Metropolitan Water District's coalition letter, and authorized sending a separate letter to the author and members of the Orange County delegation indicating our opposition. Directors Barbre, Dick, Finnegan, Hinman, Osborne, Tamaribuchi & Thomas voted in favor.

**SB 814 (HILL) – DROUGHT: EXCESSIVE WATER USE: URBAN RETAIL WATER
SUPPLIERS**

Upon MOTION by Director Barbre, seconded by Director Hinman, and carried (7-0), the Board voted to adopt an "Oppose unless Amended" position on SB 814 (Hill). Directors Barbre, Dick, Finnegan, Hinman, Osborne, Tamaribuchi & Thomas voted in favor.

**RESOLUTION FOR EAST ORANGE COUNTY WATER DISTRICT DIRECTOR WILLIAM
VANDERWERFF**

Upon MOTION by Director Dick, seconded by Directors Barbre and Finnegan, and carried (7-0), the Board adopted RESOLUTION NO. 2028 honoring Director William Vanderwerff for his service to the OC water community, by the following roll call vote:

AYES: Directors Barbre, Dick, Finnegan, Hinman, Osborne, Tamaribuchi & Thomas
NOES:None

ABSENT: None

ABSTAIN: None

INFORMATION CALENDAR

GENERAL MANAGER'S REPORT, FEBRUARY 2016

General Manager Hunter advised that the General Manager's report was included in the Board packet.

Mr. Hunter announced that pursuant to the Board's request, he contacted each elected official within MWDOC's service area for input on the Rate Study.

Responding to an inquiry from Director Dick, Mr. Hunter provided an overview of his recent personal trip to Flint, Michigan, regarding the water crisis.

The Board received and filed the report as presented.

MWDOC GENERAL INFORMATION ITEMS

BOARD OF DIRECTORS

The Board members each reported on their attendance at the regular (and special) MWDOC Board and Committee meetings. In addition to these meetings, the following reports were made on conferences and meetings attended on behalf of the District.

Director Dick advised that he attended the MWDOC Executive, Administration & Finance, and Planning & Operations Committees, as well as the ISDOC Executive Committee meeting, a meeting with Director Galleano (MET), a meeting with farmers from the Central Valley, the MET Caucus, the WACO and WACO Planning meetings, the MET Board and Committee meetings, the Special Board meeting with South County agencies, and the Water Policy dinner.

Director Finnegan noted her attendance at the MWDOC Board and Committee meetings (Workshop Board, Planning & Operations, Administration & Finance, Public Affairs & Legislation, and Executive Committee meetings), as well as the ISDOC Executive Committee meeting, the WACO Planning meeting, and the Special Board meeting with South County agencies.

Director Barbre reported on attending all of the MWDOC and MET regular and meetings, as well as the Yorba Linda Water District Special Board meeting, the Water Policy dinner featuring Felicia Marcus, the ad hoc committee with Yorba Linda Water District and OCWD, the ISDOC luncheon, a Diemer tour of Mission Elementary School, a meeting with Al Mendez regarding CRA inspection trip, the WACO meeting, and a meeting with the MET Chairman of the Board, the Chief Financial Officer, the General Manager, and the Auditor.

Director Tamaribuchi noted his attendance at all the MWDOC Committee and Board meetings, the Water Policy dinner, the WACO meeting (February 5th), and the Urban Water Institute conference (February 10-12).

Director Thomas stated that he attended the MWDOC Board meeting, the Administration & Finance Committee meeting, and the Special Board meeting with South County agencies. Mr. Thomas advised that he would be attending the Orange County Business Council meeting on February 18, 2016.

Director Hinman reported on attending the Administration & Finance and Public Affairs & Legislation Committee meetings, the South Orange County Recycled Water Summit, the Water Policy Planning meeting, the South Orange County Watershed Executive Committee meeting, the WACO and WACO Planning meetings, the San Juan Basin Authority meeting (February 9), and the Special Board meeting with South County. She advised that she would be attending the San Juan Hills Water presentation (February 22), and some elementary school water presentations later in the month.

Director Osborne reported on attending the Board and Committee meetings, Water Policy dinner, the ISDOC luncheon, the WACO meeting, the Special Board meeting with South County, as well as the OC Water Summit planning meetings.

ADJOURNMENT

There being no further business to come before the Board, President Osborne adjourned the meeting at 9:09 a.m.

Respectfully submitted,

Maribeth Goldsby, Secretary

MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PLANNING & OPERATION COMMITTEE
February 1, 2016 - 8:30 a.m. to 8:56 a.m.
MWDOC Conference Room 101

P&O Committee:

Director Wayne Osborne
Director Brett Barbre
Director Susan Hinman (absent)

Staff:

Robert Hunter, Karl Seckel, Kelly Hubbard,
Harvey De La Torre, Pat Meszaros,
Jonathan Volzke, Joe Berg, Melissa Baum-
Haley, Kevin Hostert

Also Present:

Director Joan Finnegan
Director Larry Dick
Linda Ackerman, MWDOC MET Director
Steve Lamar, Irvine Ranch Water District
Paul Shoenberger, Mesa Water District
Bill Kahn, El Toro Water District

Director Osborne called the meeting to order at 8:30 a.m. Because of Director Hinman's absence, Director Dick sat on the committee.

PUBLIC PARTICIPATION

No comments were received.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

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

No Items were distributed.

ACTION ITEMS

**APPROVAL OF RESOLUTION DESIGNATING AUTHORIZED AGENTS AND 2015
GRANT TRANSFER AGREEMENT WITH THE CITY OF SANTA ANA AS THE
LOCAL URBAN AREA SECURITY INITIATIVE (UASI) ADMINISTRATOR**

Upon MOTION by Director Barbre, seconded by Director Dick, and carried (3-0), the Committee recommended approval of the Resolution for the Designation of Authorized Agents and 2015 Grant Transfer Agreement with the City of Santa Ana as the local urban area Security Initiative at the February 17, 2016 Board meeting. Directors Osborne, Barbre and Dick all voted in favor.

APPROVAL OF HOMELAND SECURITY GRANT PROJECT TO PURCHASE FUEL TRAILERS AND GENERATOR QUICK CONNECTIONS

Upon MOTION by Director Barbre, seconded by Director Dick, and carried (3-0), the Committee recommended approval of the Homeland Security Grant Project to purchase fuel trailers and generator quick connections at the February 17, 2016 Board meeting. Directors Osborne, Barbre and Dick all voted in favor.

AUTHORIZATION OF PHASE 2 SCOPE OF WORK FOR CDM-SMITH

Upon MOTION by Director Barbre, seconded by Director Dick, and carried (3-0), the Committee recommended approval of the Phase 2 Scope of Work for CDM-Smith at the February 17, 2016 Board meeting. Directors Osborne, Barbre and Dick all voted in favor.

DISCUSSION ITEMS**EXTENDED EMERGENCY DROUGHT REGULATIONS**

Mr. Rob Hunter noted that copies of our comment letter to the State Water Resources Control Board were provided to the Committee this morning. He noted that we commented that Sustainable Supply Credit, while an improvement over the existing Emergency Regulations, still perpetuates an unequal treatment between different “recycling” technologies. Tables 1 and 2 illustrate this issue with a simplified example. We also supported the Stakeholder proposal for the Growth Adjustment because it is simple and straight forward, and the data needed to calculate the adjustment is readily available for all agencies considering this adjustment.

SCOPE OF WORK FOR SCIENCE ADVISORY PANELS FOR SAN JUAN BASIN AUTHORITY AND DOHENY DESAL PROJECTS BEING CONDUCTED BY NATIONAL WATER RESEARCH INSTITUTE (NWRI).

Mr. Karl Seckel reported that both studies were delayed and had difficulties midstream with modeling efforts. Consequently, we’ve asked MET for a two-month extension as well as requested they revise how they determine qualifying expenses under the grant terms. Director Dick inquired who Mr. Seckel is dealing with at MET to which he responded, Stacey Takeguchi, who is the Program Manager for the Foundational Action Program. The schedule currently is that NWRI will convene two meetings in February and finalize in March.

INFORMATION ITEMS**STATUS REPORTS**

- a. Ongoing MWDOC Reliability and Engineering/Planning Projects
- b. WEROC
- c. Water Use Efficiency Projects
- d. Water Use Efficiency Programs Savings and Implementation Report

Director Barbre inquired about the grant funding received by the Orange County Fire Authority and whether Yorba Linda Water District participated. Ms. Kelly Hubbard reported that WEROC was able to ensure 100% water utility participation in the first 20 WUI plans that were developed, one of which was Yorba Linda Water District. OCFA has received additional grant funds to continue. An additional 10 plans have received funding, with 10 more plans awaiting funding.

REVIEW OF ISSUES RELATED TO CONSTRUCTION PROGRAMS, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

Mr. Rob Hunter reported that the MET budget came out last week and there is a substantial increase in untreated water. Mr. Gary Breau, MET's CFO, will be presenting at MWDOC's Board Workshop on February 3.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 8:56 a.m.

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

Committee Members:

Director Jeff Thomas, Chair
Director Joan Finnegan
Director Wayne Osborne

Staff:

Rob Hunter, Karl Seckel, Maribeth Goldsby,
Melissa Baum-Haley, Katie Davanaugh,
Cathy Harris, Hilary Chumpitazi,
Jonathan Volzke

Also Present:

Director Susan Hinman
Director Brett Barbre
Director Sat Tamaribuchi
Director Larry Dick
Larry McKenney, MWDOC MET Director
Andrew Hamilton, Mesa Water
Liz Goossens, San Diego Co. Water Authority
Sanjay Gaur, Raftelis Consulting
Steve Gagnon, Raftelis Consulting
John Kennedy, Orange County Water District

Director Osborne called the meeting to order at 8:30 a.m, noting that Director Thomas had not yet arrived. Director Barbre sat on the Committee.

PUBLIC COMMENTS

No comments were received.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

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

It was noted that a presentation had been distributed on item 8, Update on MWDOC's Rate Structure.

PROPOSED BOARD CONSENT CALENDAR ITEMS

TREASURER'S REPORT

- a. Revenue/Cash Receipt Report – January 2016
- b. Disbursement Approval Report for the month of February 2016
- c. Disbursement Ratification Report for the month of January 2016
- d. GM Approved Disbursement Report for the month of January 2016
- e. Water Use Efficiency Projects Cash Flow – January 31, 2016

- f. Consolidated Summary of Cash and Investment – December 2015
- g. OPEB Trust Fund monthly statement

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Committee recommended the Treasurer's Report for approval at the February 17, 2016 Board meeting. Directors Barbre, Finnegan and Osborne all voted in favor.

FINANCIAL REPORT - Combined Financial Statements and Budget Comparative for the period ending November 30, 2015

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Committee recommended the Financial Report for approval at the February 17, 2016 Board meeting. Directors Barbre, Finnegan and Osborne all voted in favor.

ACTION ITEM

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

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Committee recommended the Standing Committee & Ad Hoc Committee Appointments for 2016 and Schedule of Committee Meeting Dates of 2016 for approval at the February 17, 2016 Board meeting. Directors Barbre, Finnegan and Osborne all voted in favor.

ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2016

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Association & Commission was presented for 2016 for approval at the February 17, 2016 Board meeting. Directors Thomas, Finnegan and Osborne all voted in favor.

The Committee held discussion on the value of the NWRA Municipal Caucus, highlighting Director Ackerman's involvement and that Heather Baez was the proposed staff contact. The Committee requested that Mrs. Baez provide information on the value of participation in this committee at the February 17, 2016 Board meeting.

At 8:45 a.m., Director Thomas arrived and chaired the meeting, replacing Director Barbre from the Committee.

RESTATEMENT OF MONEY PURCHASE PENSION PLAN

Upon MOTION by Director Osborne, seconded by Director Finnegan, and carried (3-0), the Restatement of the Money Purchase Pension Plan was presented for approval at the February 17, 2016 Board meeting. Directors Thomas, Finnegan and Osborne all voted in favor.

Mr. Hunter noted that this item was presented as a housekeeping item and that the last time the plan was submitted for a determination was 18 years ago. The plan will be submitted to the IRS, via legal counsel, for a determination regarding the plan's qualified status and pay filing fees.

2015-2016 VALUE OF WATER CHOICE COMMUNICATIONS PLAN

Upon MOTION by Director Osborne, seconded by Director Thomas, and carried (3-0), the 2015-16 Value of Water Choice Communications Plan was presented for approval at the February 17, 2016 Board meeting. Directors Thomas, Finnegan and Osborne all voted in favor.

The agreement presented in the staff report was for the memorandum of understanding with the Orange County Register for their printing/advertising services associated with the Value of Water Communications Plan as it was not previously presented to the Board. The Committee reviewed the schedule of publication dates.

2015-2016 CONSUMER CONFIDENCE REPORTS

Upon MOTION by Director Osborne, seconded by Director Finnegan, and carried (3-0), the Committee recommended the contract with Stetson Engineering, at a cost not to exceed \$35,000 for preparing the 2015-16 Consumer Confidence Reports, be presented for approval at the February 17, 2016 Board meeting. Directors Thomas, Finnegan and Osborne all voted in favor.

Mr. Hunter noted that Stetson Engineering has been proposed to assist with the preparation of the annual Consumer Confidence Reports this year with no increase in fees since they last prepared the reports for MWDOC.

DISCUSSION ITEMS**RATE STUDY UPDATE**

Mr. Hunter stressed that the importance of conducting and completing the rate study is so that it's legal and equitable, noting that Raftelis continues work on the study with staff and member agencies.

Steve Gagnon and Sanjay Gaur (both of Raftelis) reviewed the survey results and comments/input from member agencies. Also reviewed was the survey process, and the results and scoring structures, noting that not all member agencies responded to the survey. Raftelis and staff were directed to contact those agencies and urge them to complete the survey and Director Barbre noted that the Board is certainly willing to reach out to their member agencies. Mr. Gaur noted that Raftelis will follow-up with member agencies managers.

Those surveyed in a member agency manager meeting (10 participants) were provided a chance to suggest an alternative rate structure and those results were provided in the presentation. Additionally, survey participants were asked whether they believe Orange County Water District (OCWD) benefits from MWDOC services, in an effort to determine whether they should be charged a fee for MWDOC services. The sentiment expressed was that OCWD provides a regional benefit to all of MWDOC agencies.

Discussion ensued on the potential impact of Proposition 26, legal complications which are currently being reviewed by legal counsel, and whether it's appropriate for Orange County

Water District to pay for MWDOC services. John Kennedy noted that Orange County Water District purchases a large quantity of untreated MET water to put into the groundwater basin which does not make economic sense due to the high cost, but benefits the County as a whole.

Considerable discussion was held by the Committee members whether it makes sense to base rates on a volumetric basis, or a component for consideration within the rate study. Mr. Hunter noted that he is opposed to a volumetric component. The Committee also reviewed the three proposed survey results alternatives proposed by Raftelis which were provided in the staff report and held considerable discussion on each, including pros and cons of each.

Mr. Hamilton, Mesa Water, expressed the value of MWDOC proving a core/choice approach to providing beneficial services to the county as a whole.

Mr. Hunter reiterated that the intent of the study is to determine which rate structure is legal and most equitable for the good of the county as a whole.

Steve Gagnon noted that Raftelis has evaluated the Core and Choice program and have come to the conclusion that the current approach of the program meets the cost of services principles of MWDOC and that the member agencies receive benefit from the current structure.

The next meeting on the rate study is scheduled for the March 10, 2016 Administration & Finance Committee meeting.

INFORMATION ITEMS

REBATE PROGRAM 1099 UPDATE

LEGAL AND PROFESSIONAL SERVICES OPEN PURCHASE ORDERS

CONCEPTUAL FY 2016-17 BUDGET REVIEW

SEMI-ANNUAL DIRECTORS ACTIVITIES REPORT

SEMI-ANNUAL OVERTIME REPORT

ANNUAL AUTO ALLOWANCE REPORT

ANNUAL REVIEW OF COASTAL MUNICIPAL WATER DISTRICT ISSUES

MONTHLY WATER USAGE DATA, TIER 2 PROJECTION & WATER SUPPLY INFO

DEPARTMENT ACTIVITIES REPORTS

- a. Administration
- b. Finance and Information Technology

The informational reports were received and filed.

OTHER ITEMS

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

Director Tamaribuchi inquired whether staff could provide an update on the MET budget with Mr. Hunter and Mr. DeLaTorre noting that Ed Means has been providing updates at the MET Committee and Board meetings. It was noted that staff will check with Mr. Means and report any significant items.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 10:10 a.m.

**MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**

Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE

February 16, 2016 - 8:30 a.m. to 9:40 a.m.

MWDOC Conference Room 101

Committee:

Director Brett Barbre, Chair
Director Sat Tamaribuchi
Director Susan Hinman

Staff:

Robert Hunter, Karl Seckel, Heather Baez,
Laura Loewen, Jonathan Volzke,
Pat Meszaros

Also Present:

Larry Dick, MWDOC President
Wayne Osborne, MWDOC Director
Joan Finnegan, MWDOC Director
Linda Ackerman, MWDOC MET Director
Larry McKenney, MWDOC MET Director
Dick Ackerman, Ackerman Consulting
John Lewis, Lewis Consulting
Syrus Devers, BBK (via phone)
Albert Napoli, MET
Steve LaMar, IRWD
Jim Leach, SMWD
Zeshaan Youmus, Discovery Cube
Christine Compton, IRWD
Jim Leach, SMWD

Director Barbre called the meeting to order at 8:30 a.m.

PUBLIC PARTICIPATION

No items were presented.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize items(s) which arose subsequent to the posting of the Agenda.

No items were presented.

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

No items were presented.

DISCUSSION ITEMS**LEGISLATIVE ACTIVITIES****a. Federal Legislative Report (Barker)**

The report was received and filed.

b. State Legislative Report (BBK)

Mr. Syrus Devers of BBK reported on SB163 (Hertzberg) which would declare that the discharge of treated water through ocean outfalls constitutes a waste and unreasonable use of water. Two of MWDOC's member agencies, IRWD and OCWD, are working with the author on amendments. Mr. Devers recommended that we do nothing and see where this effort goes before jumping into it as Hertzberg is a good author and a friend so it's not a good idea to oppose it right out of the gate. He spoke with the author's aides and there are no immediate plans to move the bill—so we don't want to rush to take a position. Mr. LaMar agreed with Mr. Devers' recommendation and stated further that there's a coalition effort with a thrust to get the senator to change his restrictions on outfalls. Actually, the real thrust is to get the senator to support recycled water. Mr. LaMar stated that IRWD would appreciate it if MWDOC would take no position or oppose unless amended.

Mr. Devers informed the Board that he was involved with ACWA in a couple of meetings working on amendments regarding SB 814 (Hill). The author said he'd work with them. ACWA opposes unless amended and he suggested that we adopt the same position but give us flexibility to oppose if we have to. Mr. Devers stated that he has real concerns about this bill and even working on amendments. His recommendation is to oppose unless amended. Director Barbre suggested that "oppose" would be a better position to take and would send out a stronger message.

Mr. Devers stated that AB 713 (Eggman) won't be moving very far and the author is aware of that. Director Barbre stated that it's a regional bill and the Governor intimated he would not support it.

Mr. Devers reported that the State Water Resources Control Board (SWRCB) met on February 2 to extend the emergency drought regulations. After almost 6 hours of critical comments, including opposition from MWDOC which he presented, the regulations were adopted with very little change. There were 40 or 50 speakers. Some had graphics, and some really hammered them on it but their efforts were made to no avail.

c. County Legislative Report (Lewis)

Mr. John Lewis reported that Supervisor Shawn Nelson announced he's running for judge. Also, the Board of Supervisors has decided to reform their schedule of meetings. They will now meet on the 2nd and 4th Tuesdays of every month and agendas will be posted two weeks in advance.

d. Legal and Regulatory Report (Ackerman)

Mr. Dick Ackerman reported that the California drought drove water levels to historic lows at Folsom Lake but a wet winter is helping to refill the body of water. The Feds have begun releasing water into the American River to prevent flooding later in the season. They are releasing water per a 30-yr old dictate from the Corps of Engineers. A number of water agencies and UC Davis Water are questioning that.

SOUTHERN CALIFORNIA WATER ISSUES CONGRESSIONAL DELEGATION BRIEFING LUNCHEON (DC)

Dir. Hinman asked which agencies will be attending the luncheon to which Ms. Baez responded IRWD, OCWD, and SMWD.

SOUTHERN CALIFORNIA CALL TO ACTION FOR THE CALIFORNIA WATER FIX

Mr. Devers suggested that he'd come up with a roadmap on what MWDOC could do and how it could be effective in Orange County. First of all, there's a lack of materials that he would want if he were lobbying for the CA Water Fix. When we're lobbying, we're being persuasive. To be persuasive, you must give people talking points so they know what to say in front of the media, large groups, etc. So, to summarize, we'd develop materials (talking points), identify people who are prime targets for us, and start meeting with them.

Considerable discussion ensued on who our target audiences should be and what kind of messages would be the strongest we could deliver. Director Hinman emphasized that getting city leaders' support will be critical. Director Tamaribuchi thinks our targets should be chambers, associations, etc. Mr. Devers stated that we should focus on building talking points that counteract easy negative messages (e.g. we're stealing water from Northern California). Director Barbre stated that at the suggestion of Director Tamaribuchi, he read old bulletins from DWR when they were considering the construction of the State Water Project and every entity said you must have some sort of canal around the Delta to keep it from becoming a conveyance facility. Now we need to get back to what's needed—a conveyance around it which would provide more flexibility and reliability and have less impact on the Delta

Discussion continued on how we become more effective in arguing for the CA Water Fix. Director Tamaribuchi stated that we need to do a better job in explaining why the CA Water Fix makes so much sense for the environment and the State and that by committing to the CA Water Fix, in addition to changing the point where we take the water, we also have the option to accelerate the restoration of the Delta. Further, that we have 2 ½ years because once Governor Brown is gone, it's unlikely we'll get it done.

Mr. Hunter stated that this grows out of a discussion we had as a group on how we become more effective in arguing for the CA Water Fix and how we identify those individuals who will have the most impact. This is the first step as we try to do that. We need talking points to lobby those groups. Director Barbre stated that he's looking forward to Mr. Devers' talking points.

PUBLISHING COSTS FOR THE OC CITIES & WATER AGENCIES DIRECTORY

Mr. Jonathan Volzke explained that the directory is available online and emailed to member agencies. At the Board's direction, Mr. Volzke obtained a bid from a printer we have worked with on other projects but that we would get three bids for the directory if the Board decides to go forward.

Director Dick expressed that he believes the directory would be an excellent leave-behind for people of influence. Director Finnegan, who represents ISDOC, expressed that she would be in favor of MWDOC printing the OC Cities & Water Agencies Directory but that ISDOC can't afford to print its directory and will keep it on the MWDOC website. Director Barbre prefers electronic as do many others so he's not in favor.

Director Barbre requested that staff bring the Committee a proposal back next month for printing the MWDOC directory.

PUBLISHING COSTS FOR THE ISDOC DIRECTORY

Ms. Baez stated that the ISDOC Directory is sent out to members by link. Through the years, ISDOC determined it was too expensive to print so they opted to stick with the electronic version.

ACTION ITEMS**AUTHORIZE ATTENDANCE AT CALIFORNIA SPECIAL DISTRICTS
ASSOCIATION LEGISLATIVE DAYS, MAY 17-18, 2016, SACRAMENTO**

Upon MOTION by Director Tamaribuchi, seconded by Director Hinman, and carried (3-0), the Committee recommended approval of attendance at CSDA Legislative Days, May 17-18, 2016 at the February 17, 2016 Board meeting. Directors Barbre, Tamaribuchi and Hinman all voted in favor.

ADOPT 'SUPPORT IF AMENDED' POSITION ON SB 163 (HERTZBERG)

Upon MOTION by Director Hinman, seconded by Director Tamaribuchi and carried (3-0), the Committee recommended no action be taken at this time on SB163 (Hertzberg) at the February 17, 2016 Board meeting. Directors Barbre, Tamaribuchi and Hinman all voted in favor. Staff will continue to monitor the bill and bring it back to the committee should it be amended.

**AB 1713 (EGGMAN) – SACRAMENTO SAN JOAQUIN DELTA,
PERIPHERAL CANAL**

Upon MOTION by Director Hinman, seconded by Director Tamaribuchi, and carried (3-0), the Committee recommended an oppose position be taken at the February 17, 2016 Board meeting. Directors Barbre, Tamaribuchi and Hinman all voted in favor.

**SB 814 (HILL) – DROUGHT: EXCESSIVE WATER USE: URBAN
RETAIL WATER SUPPLIERS**

Upon MOTION by Director Tamaribuchi, seconded by Director Hinman, and carried (3-0), the Committee recommended an oppose-unless-amended position be taken at the February 17, 2016 Board meeting. Directors Barbre, Tamaribuchi and Hinman all voted in favor.

**RESOLUTION FOR EAST ORANGE COUNTY WATER DISTRICT DIRECTOR
WILLIAM VANDERWERFF**

Upon MOTION by Director Tamaribuchi, seconded by Director Hinman, and carried (3-0), the Committee recommended approval of a resolution for William VanderWerff be approved at the February 17, 2016 Board meeting. Directors Barbre, Tamaribuchi and Hinman all voted in favor.

INFORMATION ITEMS**SCHEDULE FOR COMPLETION OF CONSUMER CONFIDENCE REPORTS****UPDATE ON THE TRANSFER OF ORANGE COUNTY SANITATION
DISTRICT AREA 7****UPDATE ON POTENTIAL CONSOLIDATION OF SAN JUAN CAPISTRANO
UTILITIES****UPDATE ON WATER SUMMIT (MAY 20, 2016)****RECAP REGARDING WATER POLICY DINNER (JANUARY 22, 2016)****PUBLIC AFFAIRS ACTIVITIES REPORT****SCHOOL PROGRAM PARTICIPATION REPORT**

The reports were received and filed.

OTHER ITEMS**REVIEW ISSUES RELATED TO LEGISLATION, OUTREACH, PUBLIC
INFORMATION ISSUES, AND MET**

No items were presented.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 9:40 a.m.

MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
jointly with the
EXECUTIVE COMMITTEE
February 18, 2016, 8:30 a.m. to 9:50 a.m.
Conference Room 102

Committee:

Director Osborne, President
Director Barbre, Vice President
Director Dick

Staff:

R. Hunter, M. Goldsby

Also Present:

Director Tamaribuchi
Director Hinman
Director Finnegan
MWDOC MET Director Linda Ackerman
Nicholas Dibs

At 8:30 a.m., President Osborne called the meeting to order.

PUBLIC PARTICIPATION

No public comments were received.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Mr. Nicholas Dibs thanked the Board for their commitment to the School Program, and for the inclusion of the High School Program. He asked the Board to consider participation in the OC Science Fair; it was noted this issue could be addressed during the budget process.

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

At the beginning of the meeting, Staff distributed the draft agendas for the February Committee meetings.

EXECUTIVE COMMITTEE PROPOSALS FOR FUTURE AGENDAS

The Committee reviewed and discussed the draft agendas for each of the Committee meetings and made revisions/additions as noted below.

a. Workshop Board Meeting

Mr. Hunter summarized the discussion from the Special Board meeting with the South County agencies, noting the agencies have asked that the Board restructure the Workshop Board agenda to allow for comments at the beginning, possibly change the time, and ways to improve the overall communication between the Board, staff, member agencies, and

MET Directors. Following considerable discussion on ways to improve the meeting, it was suggested this issue be discussed further at the meeting.

b. Planning & Operations Committee

No new information was presented.

c. Administration & Finance Committee

With respect to the MET Budget, Director Tamaribuchi suggested the Board discuss a possible Peaking Charge with the MET Directors. Discussion ensued regarding MET rates, and Director Tamaribuchi suggested MWDOC conduct a Rate Study on MET rates. Staff was directed to confer with legal counsel on this issue, and if deemed prudent, approximately \$150,000 would be added to the draft budget to cover the cost; Director Dick suggested other agencies be asked to join in the cost of the study.

d. Public Affairs & Legislation Committee

No new information was added to the agenda.

e. Executive Committee

No new items were added to the agenda.

DISCUSSION REGARDING UPCOMING ACTIVITIES OF SIGNIFICANCE

No new information was presented.

MEMBER AGENCY RELATIONS

No new information was added to the agenda.

GENERAL MANAGER'S REPORTS

Mr. Hunter referenced the Settlement Agreement with the member agencies, and inquired whether the Board would be interested in meeting with all of the agencies regarding the Agreement.

REVIEW AND DISCUSS DISTRICT AND BOARD ACTIVITIES

The Committee reviewed two late Business Expense Reports, from Kelly Hubbard and Rob Hunter; both reports were approved.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 9:50 a.m.

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

WATER REVENUES

Date	From	Description	Amount
02/01/16	City of Fountain Valley	December 2015 Water deliveries	222,139.36
02/01/16	City of Seal Beach	December 2015 Water deliveries	10,559.73
02/03/16	City of La Palma	December 2015 Water deliveries	6,597.66
02/04/16	City of La Habra	December 2015 Water deliveries	11,791.79
02/08/16	Serrano Water District	December 2015 Water deliveries	5,970.14
02/08/16	South Coast Water District	December 2015 Water deliveries	375,488.51
02/08/16	City of Newport Beach	December 2015 Water deliveries	577,727.66
02/10/16	El Toro Water District	December 2015 Water deliveries	449,285.32
02/10/16	Laguna Beach County Water District	December 2015 Water deliveries	260,430.14
02/10/16	Santa Margarita Water District	December 2015 Water deliveries	1,430,508.24
02/10/16	City of Westminster	December 2015 Water deliveries	246,994.33
02/10/16	City of Garden Grove	December 2015 Water deliveries	723,287.38
02/11/16	East Orange County Water District	December 2015 Water deliveries	170,561.47
02/11/16	City of Buena Park	December 2015 Water deliveries	234,063.25
02/11/16	City of Orange	December 2015 Water deliveries	56,741.02
02/12/16	Orange County Water District	December 2015 Water deliveries	1,235,443.17
02/12/16	Santiago Aqueduct Commission	December 2015 Water deliveries	94,051.20
02/12/16	Mesa Water	December 2015 Water deliveries	30,075.10
02/12/16	Irvine Ranch Water District	December 2015 Water deliveries	273,743.25
02/12/16	Moulton Niguel Water District	December 2015 Water deliveries	1,757,091.31
02/12/16	Yorba Linda Water District	December 2015 Water deliveries	527,027.50
02/12/16	Golden State Water Company	December 2015 Water deliveries	351,029.18
02/19/16	City of Huntington Beach	January 2016 Water deliveries	280,701.07
02/22/16	Serrano Water District	January 2016 Water deliveries	5,730.01
02/26/16	City of Fountain Valley	January 2016 Water deliveries	209,708.13
02/26/16	City of Brea	January 2016 Water deliveries	58,888.95
02/26/16	City of San Clemente	January 2016 Water deliveries	415,655.08
02/29/16	Trabuco Canyon Water District	January 2016 Water deliveries	17,336.86
02/29/16	City of Seal Beach	January 2016 Water deliveries	10,136.96

TOTAL REVENUES \$ 10,048,763.77

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

MISCELLANEOUS REVENUES

Date	From	Description	Amount
02/04/16	Moulton Niguel Water District	1/22/16 Water Policy dinner	180.00
02/26/16	City of Huntington Beach	1/22/16 Water Policy dinner	80.00
02/04/16	Lee Jacobi	Remainder of Jan-Dec 2016 Retiree insurance premium	22.68
02/22/16	Stan Sprague	Feb-Mar 2016 Retiree insurance premium	422.82
02/01/16	Janice Durant	Movie tickets	15.00
02/08/16	Laura Loewen	Movie tickets	34.00
02/11/16	Irene Bauer	Refund of Turf Removal rebate	2,581.00
02/26/16	County of Orange	2016 International Association Emergency Management conference - K Hubbard	1,925.40
02/08/16	Serrano Water District	December 2015 Smart Timer rebate program	150.00
02/12/16	City of Fullerton	December 2015 Smart Timer rebate program	75.00
02/16/16	Trabuco Canyon Water District	December 2015 Smart Timer rebate program	75.00
02/22/16	Irvine Ranch Water District	December 2015 Smart Timer rebate program	300.00
02/22/16	Santa Margarita Water District	December 2015 Smart Timer rebate program	1,425.00
02/29/16	Mesa Water	December 2015 Smart Timer rebate program	75.00
02/29/16	Yorba Linda Water District	December 2015 Smart Timer rebate program	300.00
02/08/16	City of Orange	December 2015 Turf Removal rebate program	5,029.60
02/11/16	City of Garden Grove	December 2015 Turf Removal rebate program	2,794.20
02/12/16	Laguna Beach County Water District	December 2015 Turf Removal rebate program	8,883.00
02/16/16	City of Buena Park	December 2015 Turf Removal rebate program	1,552.00
02/22/16	City of San Juan Capistrano	December 2015 Turf Removal rebate program	3,408.69
02/12/16	City of San Clemente	Nov-Dec 2015 Smart Timer and Turf Removal rebate program	6,979.02
02/22/16	City of Newport Beach	December 2015 Smart Timer and Turf Removal rebate program	1,703.38
02/16/16	Golden State Water Company	December 2015 Smart Timer and Turf Removal rebate program	4,923.48
02/26/16	City of La Habra	December 2015 Smart Timer and Turf Removal rebate program	754.00
02/16/16	Moulton Niguel Water District	December 2015 Smart Timer, Turf Removal & Rotating Nozzle rebate program	133,617.53
02/22/16	Irvine Ranch Water District	December 2015 So Cal Watersmart Commercial rebate program	6,350.00
02/22/16	El Toro Water District	December 2015 So Cal Watersmart Residential rebate program	100.00
02/22/16	Golden State Water Company	December 2015 So Cal Watersmart Residential rebate program	745.00
02/22/16	Irvine Ranch Water District	December 2015 So Cal Watersmart Residential rebate program	256.55
02/29/16	Moulton Niguel Water District	December 2015 So Cal Watersmart Residential rebate program	8,631.18
02/29/16	Santa Margarita Water District	December 2015 So Cal Watersmart Residential rebate program	2,868.55
02/29/16	Trabuco Canyon Water District	December 2015 So Cal Watersmart Residential rebate program	516.00
02/04/16	Department of Water Resources	Jul-Sep 2015 Comprehensive Landscape WUE	883.53
02/08/16	Irvine Ranch Water District	November 2015 Landscape Performance Certification program	900.00
02/22/16	City of La Palma	2015 Urban Water Management Plan Contract - Arcadis	44,570.00
02/16/16	City of Santa Ana	WEROC Funding for FY 2015-2016	10,777.00

TOTAL MISCELLANEOUS REVENUES \$ **253,903.61**

TOTAL REVENUES \$ **10,302,667.38**


 Robert J. Hunter, General Manager


 Hilary Chumpitazi, Treasurer

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

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
Core Expenditures:		
Richard Ackerman		
1098	February 2016 Legal consulting on water policy issues	2,425.00
	*** Total ***	2,425.00
ALTA FoodCraft		
516011810	1/26/16 Coffee & tea supplies	367.74
	*** Total ***	367.74
Sam Ayala		
021916	February 2016 Atrium landscape maintenance	115.00
	*** Total ***	115.00
Best Best and Krieger LLP		
55401-JAN16	January 2016 Legal services	5,031.20
766310	January 2016 State legislative advocacy services	8,702.62
	*** Total ***	13,733.82
CDM Smith		
80547271/14	1/3/16-1/30/16 Engineering services for Water Reliability Investigation	9,549.50
	*** Total ***	9,549.50
CP Appraisers		
2130	February 2016 Services to research potential sale and lease listings	150.00
	*** Total ***	150.00
El Toro Water District		
2693	2016 Annual lease for WEROC S. EOC site	1,000.00
	*** Total ***	1,000.00
Genisys Corporation		
050493	3 Server hard drives	723.26
	*** Total ***	723.26
GovConnection, Inc.		
53517029	5 Year license for 25 users for Virtual Private Network software	611.60
	*** Total ***	611.60
Government Finance Officers Association		
0122001	April 2016-March 2017 Annual membership renewal for H. Chumpitazi	160.00
	*** Total ***	160.00
Greenshades Software		
88931	2015 W-2 Tax form upload fee	17.67
	*** Total ***	17.67

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

Invoice#	Vendor / Description	Amount to Pay
	James C. Barker, P.C.	
105-0216	February 2016 Federal legislative advocacy services	8,000.00
	*** Total ***	8,000.00
	Kustom Imprints	
21461	1 Custom embroidered jacket	76.13
	*** Total ***	76.13
	Lewis Consulting Group, LLC	
2016-110	February 2016 Consulting services	3,187.50
	*** Total ***	3,187.50
	Edward G. Means III	
MWDOC-1036	February 2016 Support on Metropolitan issues & strategic guidance to Engineering department	1,062.50
	*** Total ***	1,062.50
	Metropolitan Water District	
42780	FY 14-15 Operation & maintenance cost for East Orange County Feeder #2	493,651.04
	*** Total ***	493,651.04
	My Binding	
100552429	March 2016-February 2017 Annual maintenance renewal	695.00
	*** Total ***	695.00
	National Messenger Service	
260813	2/12/16 Delivery charges for Board packets	186.33
	*** Total ***	186.33
	Office Solutions	
I-00908696	2/11/16 Office supplies	182.69
I-00910031	2/12/16 Office supplies	284.93
I-00916574	2/25/16 Office supplies	72.79
I-00917706	2/29/16 Office supplies	155.26
	*** Total ***	695.67
	County of Orange	
PW160160	FY 15-16 Cooperative agreement for South OC Watershed Management area	3,637.84
	*** Total ***	3,637.84
	Orange County Water Association, Inc.	
021716	2/17/16 Meeting registration for Director Hinman	30.00
	*** Total ***	30.00

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

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
Orange County Water District		
15969	January 2016 50% of WACO expenses	232.99
15975	January 2016 Postage, shared office & maintenance expense	7,532.71
15996	2010-2015 OC Summit Cost Share	181.03
16031	February 2016 50% of WACO expenses	232.99
	*** Total ***	8,179.72
Patricia Kennedy Inc.		
20732	March 2016 Plant maintenance	214.00
	*** Total ***	214.00
Raftelis Financial Consultants		
OCCA1512-02.	January 2016 Services for Rate Study	14,995.32
	*** Total ***	14,995.32
Superior Court of Orange County		
012916A	Reimburse 1/15/16-1/16/16 Water Inspection Trip parking - A. Bolden	28.00
012916C	Reimburse 1/15/16-1/16/16 Water Inspection Trip parking - K. Conwell-Doyle	40.00
	*** Total ***	68.00
Water Systems Optimization, Inc.		
985	1/20/16-2/22/16 Water Loss Control System technical services	18,009.96
	*** Total ***	18,009.96
	Total Core Expenditures	581,542.60
Choice Expenditures:		
Discovery Science Center		
DSOC/IV/14-	January 2016 School program	26,247.15
	*** Total ***	26,247.15
Finley & Cook PLLC		
SI0013796	1/16/16-1/22/16 Programing services to enhance Navision Turf Removal data import	323.75
SI0013945	1/23/16-1/29/16 Programing services to enhance Navision Turf Removal data import	370.00
	*** Total ***	693.75
Freedom Communications, Inc.		
61990003-JAN16	January 2016 Value of Water pages	32,500.00
61990003-FEB16	February 2016 Value of Water pages	26,000.00
	*** Total ***	58,500.00
Orange County Water District		
15975	January 2016 Postage, shared office & maintenance expense	1,687.94
	*** Total ***	1,687.94

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

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	Top Hat Productions	
91249	1/12/16 Lunch for Water Audit II workshop	519.53
91359	2/16/16 Lunch for California Urban Water Conservation Council Board meeting	287.23
	*** Total ***	806.76
	Westamerica Communications	
306192	960 Garden Friendly flyers for Water Use Efficiency programs	505.19
306193	400 Garden Friendly bill inserts for Water Use Efficiency programs	271.08
306239	46,250 Garden Friendly bill inserts for Water Use Efficiency programs	1,814.84
	*** Total ***	2,591.11
	Total Choice Expenditures	<u>90,526.71</u>
Other Funds Expenditures:		
	AquaFicient Consulting	
03-005	December 2015 Landscape Performance Certification program funded by IRWD & MET	1,800.00
03-006	January 2016 Landscape Performance Certification program funded by IRWD & MET	1,800.00
	*** Total ***	3,600.00
	Mission RCD	
1945	January 2016 Field verifications for Water Use Efficiency rebate programs	20,078.56
	*** Total ***	20,078.56
	Lori Palmquist	
3134	Development expenses for CA Sprinkler Adjustment Subscription system	173.43
	*** Total ***	173.43
	Public Spaces Program	
LN-PS#14	General Services Administration (Laguna Niguel)	42,651.00
	*** Total ***	42,651.00
	Total Other Funds Expenditures	<u>66,502.99</u>
	Total Expenditures	<u><u>738,572.30</u></u>

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

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
Core Disbursements:				
131899	2/4/16	TIMEWA 5210-FEB16	Time Warner Cable February 2016 Telephone and internet expense ***Total ***	1,280.57 1,280.57
131903	2/11/16	VERIZO 9759393657	Verizon Wireless January 2016 4G Mobile broadband unlimited service ***Total ***	76.02 76.02
131904	2/12/16	ACKEEX 013116	Linda Ackerman January 2016 Business expense ***Total ***	82.08 82.08
131907	2/12/16	C3OFFI INV47263	C3 Office Solutions LLC February 2016 Canon copier maintenance ***Total ***	353.55 353.55
131911	2/12/16	DELAGE 48663980	De Lage Landen Public Finance February 2016 Canon copier lease ***Total ***	509.00 509.00
131913	2/12/16	HOMED1 7785-JAN16	Home Depot Credit Services 1/5/16 Supplies for computer room ***Total ***	40.29 40.29
131915	2/12/16	IRONMO MGD2527	Iron Mountain February 2016 Storage/retrieval of archived document ***Total ***	447.31 447.31
131916	2/12/16	HOSTER 013116	Kevin Hostert November 2015-January 2016 Business expense ***Total ***	140.47 140.47
131924	2/12/16	TIMEWA 3564-FEB16	Time Warner Cable February 2016 Telephone expense for 4 analog fax lines ***Total ***	143.46 143.46
131927	2/12/16	VOLZKE 013116	Jonathan Volzke January 2016 Business expense ***Total ***	307.64 307.64
ACH001851	2/12/16	CHUMPI 013116	Hilary Chumpitazi January 2016 Business expense ***Total ***	155.28 155.28

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

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
ACH001853	2/12/16	DICEX	Larry Dick	
		013116	January 2016 Business expense	127.44
			***Total ***	127.44
ACH001854	2/12/16	FINNEG	Joan Finnegan	
		013116	January 2016 Business expense	88.12
			***Total ***	88.12
ACH001855	2/12/16	HINMAN	Susan Hinman	
		013116	January 2016 Business expense	349.34
			***Total ***	349.34
ACH001859	2/12/16	LOEWEN	Laura Loewen	
		020316	January-February 2016 Business expense	65.58
			***Total ***	65.58
ACH001868	2/12/16	ROBERT	Bryce Roberto	
		020416	January-February 2016 Business expense	223.73
			***Total ***	223.73
132695	2/29/16	USBANK	U.S. Bank	
		5783/6533-JAN16	12/23/15-1/22/16 Cal Card charges	9,251.49
			***Total ***	9,251.49
			(See attached sheet for details)	
ACH001869	2/29/16	BERGIO	Joseph Berg	
		013116	January 2016 Business expense	40.00
			***Total ***	40.00
ACH001870	2/29/16	FAHLBE	Beth Fahl	
		022916	January-February 2016 Business expense	17.50
			***Total ***	17.50
ACH001874	2/29/16	HUNTER	Robert J. Hunter	
		112415	November 2015 Business expense	6.51
			***Total ***	6.51
ACH001883	2/29/16	THOMAS	Jeffery Thomas	
		013116	January 2016 Business expense	149.58
			***Total ***	149.58
Total Core Disbursements				13,854.96

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

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
Choice Disbursements:				
132692	2/29/16	SDGE 7768-FEB16	San Diego Gas and Electric 1/20/16-2/21/16 Electrical service for Doheny Ocean Desal project ***Total ***	 212.29 212.29
132695	2/29/16	USBANK 5783-JAN16	U.S. Bank 12/22/15-1/22/16 Cal Card charges ***Total *** (See attached sheet for details)	 120.52 120.52
ACH001870	2/29/16	FAHLBE 022916	Beth Fahl January-February 2016 Business expense ***Total ***	 28.75 28.75
Total Choice Disbursements				361.56
Other Funds Disbursements:				
131898	2/4/16	ATTEOC 8200-JAN16 4492-JAN16 0532-JAN16	AT&T January 2016 WEROC N. EOC telephone expense January 2016 WEROC S. EOC telephone expense January 2016 WEROC N. EOC dedicated phone line ***Total ***	 189.97 255.04 64.52 509.53
131900	2/4/16	TURFRP TR5W-SC-4890	Turf Removal Program E. Bauer (Re-issue)	 852.00
131902	2/4/16	TURFRP TR5W-MNT-3567A	Turf Removal Program Niguel Villas Condominium Association (Re-issue) ***Total ***	 61,390.00 62,242.00
131905	2/12/16	ATTUVEOC 8599-FEB16	AT&T February 2016 U-verse internet service for WEROC N. EOC ***Total ***	 62.00 62.00
131926	2/12/16	TURFRP TR6-GSWC-8389-2008	Turf Removal Program A. Hwang (Re-issue) ***Total ***	 2,790.00 2,790.00
131928	2/17/16	TURFRP TR5W-BREA-4029	Turf Removal Program J. Lara	 3,286.00
131929	2/17/16	TURFRP TR6-BREA-10270-2679	Turf Removal Program P. Rood	 1,000.00
131930	2/17/16	TURFRP TR6-BREA-10589-1232	Turf Removal Program G. Boespflug	 584.00
131931	2/17/16	TURFRP TR6-BREA-6965-816	Turf Removal Program W. Christensen	 1,700.00
131932	2/17/16	TURFRP TR6-BP-10239-6113	Turf Removal Program A. Wilk	 3,054.00
131933	2/17/16	TURFRP TR5W-FV-5616	Turf Removal Program Y. Chiang	 1,668.00
131934	2/17/16	TURFRP TR6-FV-6209-18150	Turf Removal Program D. Yoshikawa	 930.00

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

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
131935	2/17/16	TR6-FV-8356-18781	D. Cook	910.00
131936	2/17/16	TR6-FV-9420-9462	C. Martina	1,626.00
131937	2/17/16	TR6-GG-7507-8651	W. Tran	2,408.00
131938	2/17/16	TR6-GG-7842-12672	S. Pham	5,606.00
131939	2/17/16	TR6-GG-8477-5681	A. Slavens	1,966.00
131940	2/17/16	TR6-HB-10566-6761	M. Buenzli	1,700.00
131941	2/17/16	TR6-HB-7376-8432	W. Casey	1,660.00
131942	2/17/16	TR5W-HB-5814	J. Morin	1,946.00
131943	2/17/16	TR6-HB-8375-19942	E. Malone	810.00
131944	2/17/16	TR6-HB-6835-8511	W. Wolff	746.00
131945	2/17/16	TR5W-HB-5207	T. Rama	2,152.00
131946	2/17/16	TR6-HB-7535-20016	Seabridge Village HOA (Huntington Beach)	13,094.00
131947	2/17/16	TR6-HB-9130-17652	J. Wilker	2,276.00
131948	2/17/16	TR6-LH-8642-651	K. Tom	2,310.00
131949	2/17/16	TR6-NWPT-7151-2833	H. Seely	900.00
131950	2/17/16	TR6-O-6700-715	S. Candelella	2,912.00
131951	2/17/16	TR6-O-9045-770	S. Reno	2,762.00
131952	2/17/16	TR6-O-7228-12942	R. Medrano	6,000.00
131953	2/17/16	TR6-O-6143-3608	S. Barton	742.00
131954	2/17/16	TR6-O-6883-3225	M. or A. Ferrero	4,304.00
131955	2/17/16	TR6-O-8075-3504	W. Fairbanks	2,240.00
131956	2/17/16	TR6-O-8021-440	E. Alonzo	828.00
131957	2/17/16	TR6-O-6698-703	T. Chapman	4,060.00
131958	2/17/16	TR6-O-8177-803	J. Low	5,678.00
131959	2/17/16	TR5W-O-5851	T. Poarch	1,042.00
131960	2/17/16	TR5W-SC-4906	C. Warman	970.00
131961	2/17/16	TR5W-SC-5280	N. Holzer	4,330.00
131962	2/17/16	TR5W-SC-4331	G. Gansel	1,344.00
131963	2/17/16	TR6-SJC-8321-33862	R. Paul	884.86
131964	2/17/16	TR5W-SJC-4166	M. Bacon	1,340.00
131965	2/17/16	TR6-TUST-10432-14921	D. Brill	762.00
131966	2/17/16	TR5W-TUST-4816	C. Turner	3,614.00
131967	2/17/16	TR6-TUST-8948-13062	A. Barker	7,050.00
131968	2/17/16	TR6-TUST-7136-12072	M. Immell	5,571.00
131969	2/17/16	TR5W-TUST-5472	C. Crawford	6,840.00
131970	2/17/16	TR6-TUST-8079-13112	C. Hardwig	3,801.00
131971	2/17/16	TR5W-TUST-6040	B. Murray	7,659.00
131972	2/17/16	TR6-TUST-7055-12841	T. Nicholson	2,877.00
131973	2/17/16	TR5W-TUST-5953	M. Fitch	8,307.00
131974	2/17/16	TR6-TUST-7063-11881	A. Sellers	7,143.00
131975	2/17/16	TR6-TUST-8100-1912	S. Fisher	1,953.00
131976	2/17/16	TR6-WEST-8019-9902	J. Ross	1,758.00
131978	2/17/16	TR6-EOCWD-8368-12872	J. Owen	6,000.00
131979	2/17/16	TR6-ETWD-6696-25516	N. Carr	2,014.00
131980	2/17/16	TR6-GSWC-10117-1337	A. Anderson	2,020.00
131981	2/17/16	TR5W-GSWC-5221	A. Tran	1,917.21
131982	2/17/16	TR5W-GSWC-4995	J. Hofreiter	2,564.00
131983	2/17/16	TR6-GSWC-8083-730	P. Gross	1,562.00
131984	2/17/16	TR6-GSWC-8542-326	J. Bhandari	2,278.00

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131985	2/17/16	TR6-IRWD-10452-2652	Meridian Graphics (Tustin)	5,590.00
131986	2/17/16	TR5W-IRWD-4047	V. Yamamoto	688.00
131987	2/17/16	TR5W-IRWD-4050	K. Dixon	2,250.00
131988	2/17/16	TR5W-IRWD-4774	B. Wecklich	2,632.00
131989	2/17/16	TR5W-IRWD-5672	B. Pender	1,716.00
131990	2/17/16	TR5W-IRWD-5752	G. Smith	1,416.00
131991	2/17/16	TR5W-IRWD-5809	K. Lazarovits	1,280.00
131992	2/17/16	TR5W-IRWD-5831	M. Holland	1,860.00
131993	2/17/16	TR5W-IRWD-5913	C. Moise	1,648.00
131994	2/17/16	TR5W-IRWD-6014	M. Hallisy	480.00
131995	2/17/16	TR6-IRWD-10366-25411	R. Mahacek	1,098.00
131996	2/17/16	TR6-IRWD-6148-25306	S. O'Brien	1,268.00
131997	2/17/16	TR6-IRWD-7269-17	M. Browning	1,086.00
131998	2/17/16	TR6-IRWD-7596-22121	C. Brance	976.00
131999	2/17/16	TR6-IRWD-7771-13	H. Lin	576.00
132000	2/17/16	TR6-IRWD-9154-21042	K. Zittler	3,808.00
132001	2/17/16	TR6-IRWD-9613-11664	K. Sheffield	802.00
132002	2/17/16	TR6-IRWD-9681-23862	G. Russo	1,710.00
132003	2/17/16	TR6-IRWD-9694-4861	H. Chung	2,922.00
132004	2/17/16	TR6-IRWD-9899-22652	S. Montoya	1,666.00
132005	2/17/16	TR7-IRWD-11705-54	S. Lee	288.00
132006	2/17/16	TR5-MNT-237	H. Davidson	2,605.00
132007	2/17/16	TR5W-MNT-4156	J. McCall	1,403.50
132008	2/17/16	TR5W-MNT-4201	L. Anderson	2,240.00
132009	2/17/16	TR5W-MNT-4227	T. Browning	4,462.50
132010	2/17/16	TR5W-MNT-4422	E. Dehghani	3,332.00
132011	2/17/16	TR5W-MNT-4473	J. Lemieux	11,764.00
132012	2/17/16	TR5W-MNT-4919	T. Mugol	5,870.00
132013	2/17/16	TR5W-MNT-5153	D. Eachus	1,959.01
132014	2/17/16	TR5W-MNT-5448	M. Davis	4,574.50
132015	2/17/16	TR5W-MNT-5563	L. Wehrmann	10,560.00
132016	2/17/16	TR5W-MNT-5705	M. McWard	2,394.00
132017	2/17/16	TR5W-MNT-6006	S. Davies	2,194.50
132018	2/17/16	TR5W-MNT-6044	W. Vandewetering	3,045.00
132019	2/17/16	TR6-MNT-10206-8	M. Carwana	2,820.00
132020	2/17/16	TR6-MNT-10210-24341	S. Williams	2,170.00
132021	2/17/16	TR6-MNT-10314-26651	S. Kerns	7,535.00
132022	2/17/16	TR6-MNT-10551-27321	M. Grayden	3,250.00
132023	2/17/16	TR6-MNT-6156-21	D. Clausing	1,084.50
132024	2/17/16	TR6-MNT-6178-26661	V. Vihlene	4,413.50
132025	2/17/16	TR6-MNT-6356-24985	E. Munsell	3,912.50
132026	2/17/16	TR6-MNT-6569-17	G. Vera	3,570.00
132027	2/17/16	TR6-MNT-6574-26761	R. Reel	6,603.70
132028	2/17/16	TR6-MNT-6815-27026	M. Passaglia	4,011.00
132029	2/17/16	TR6-MNT-6847-24	B. Riker	2,737.51
132030	2/17/16	TR6-MNT-6926-26882	L. Ponzo	6,882.00
132031	2/17/16	TR6-MNT-6989-30176	F. Athari	3,857.00
132032	2/17/16	TR6-MNT-7191-24181	J. Nowitsch	10,585.00
132033	2/17/16	TR6-MNT-7237-23	R. Licha	2,530.00

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132034	2/17/16	TR6-MNT-7466-26116	V. Rhebeck	13,620.00
132035	2/17/16	TR6-MNT-7562-26701	S. Ellsworth	5,082.00
132036	2/17/16	TR6-MNT-7583-28141	A. Calfe	5,750.00
132037	2/17/16	TR6-MNT-7691-7	N. Zagalsky	4,720.50
132038	2/17/16	TR6-MNT-7836-26671	J. De La Pena	3,960.00
132039	2/17/16	TR6-MNT-8027-25051	J. Sabus	4,410.00
132040	2/17/16	TR6-MNT-8063-25421	K. Elenz	1,775.00
132041	2/17/16	TR6-MNT-8107-26867	C. Whitehouse	1,781.50
132042	2/17/16	TR6-MNT-8478-24411	S. Hubocan	5,205.00
132043	2/17/16	TR6-MNT-9192-27201	G. Beck	1,925.00
132044	2/17/16	TR6-MNT-9515-11	A. Rosen	9,990.00
132045	2/17/16	TR6-MNT-9756-8	S. Bristol	2,504.50
132046	2/17/16	TR7-MNT-11058-26	D. Switzer	343.52
132047	2/17/16	TR7-MNT-11612-26812	D. Church	3,202.50
132048	2/17/16	TR6-SWD-7998-9375	A. Lundgren	428.00
132049	2/17/16	TR6-SWD-7578-18351	B. Young	6,000.00
132050	2/17/16	TR5W-SM-4893	T. Curtin	878.00
132051	2/17/16	TR5W-SM-4900	E. Higgins	3,826.00
132052	2/17/16	TR5W-SM-5316	M. Saidi	1,380.00
132053	2/17/16	TR6-SM-10337-3	M. Midolo	962.00
132054	2/17/16	TR6-SM-10392-40	J. Dudkowski	676.00
132055	2/17/16	TR6-SM-6300-8	S. Wallevand	640.00
132056	2/17/16	TR6-SM-7560-26	K. Vikse	1,848.00
132057	2/17/16	TR6-SM-7972-14	M. Bush	618.00
132058	2/17/16	TR6-SM-8164-28032	T. Harding	2,566.00
132059	2/17/16	TR6-SM-8183-19	L. Mayberry	1,256.00
132060	2/17/16	TR6-SM-8997-27142	D. Sheppard	3,714.00
132061	2/17/16	TR6-SM-9113-26101	B. Ujihara	1,172.00
132062	2/17/16	TR6-SM-9649-19	J. Fox	1,768.00
132063	2/17/16	TR5-SOCO-107	S. Williams	1,620.00
132064	2/17/16	TR5W-SOCO-5137	R. Remeyer	2,880.00
132065	2/17/16	TR5W-SOCO-5386	V. Germann	1,484.00
132066	2/17/16	TR6-SOCO-8196-8	E. Papadakis	1,242.00
132067	2/17/16	TR6-SOCO-9765-24241	P. O'Brien	2,208.00
132068	2/17/16	TR5W-TC-5150	R. Spangler	920.00
132069	2/17/16	TR6-TC-7254-32752	W. Gill	1,600.00
132070	2/17/16	TR5W-YLWD-4108	S. Kyi	662.00
132071	2/17/16	TR5W-YLWD-4502	G. Lillibridge	5,612.00
132072	2/17/16	TR5W-YLWD-4913	D. Wallace	4,892.00
132073	2/17/16	TR6-YLWD-10203-5615	H. Pham	4,934.00
132074	2/17/16	TR6-YLWD-10451-16691	B. Peralta	1,132.00
132075	2/17/16	TR6-YLWD-6407-18892	T. Brandon	6,000.00
132076	2/17/16	TR6-YLWD-7278-21035	T. Dang	4,970.00
132077	2/17/16	TR6-YLWD-8929-5710	J. Knoles	2,568.00
132078	2/17/16	TR6-YLWD-9227-2332	N. Warwick	1,586.00
132079	2/17/16	TR6-YLWD-9373-24678	S. Parekh	2,700.00
132080	2/17/16	TR6-YLWD-9426-4600	D. Bristow	3,238.00
132081	2/17/16	TR6-YLWD-9871-4082	K. Choi	532.00
132082	2/17/16	TR6-YLWD-9911-5081	J. Bloomquist	3,330.00

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132083	2/17/16	TR5-HB-119	Southern California Edison (Huntington Beach)	73,026.00
132084	2/17/16	TR5W-HB-5131	La Cuest Tennis Club Comm. Assoc. (Huntington Beach)	817.00
132085	2/17/16	TR5W-HB-4151	D. Zago	6,000.00
132086	2/17/16	TR5W-HB-5035	M. Bledsoe	2,970.00
132087	2/17/16	TR5W-HB-5094	W. Olson	1,388.00
132088	2/17/16	TR5W-HB-5368	L. Nguyen	1,448.00
132089	2/17/16	TR6-HB-6347-5402	E. Rasem	1,380.00
132090	2/17/16	TR6-HB-6745-19640	G. St. George	1,222.00
132091	2/17/16	TR6-HB-8084-6462	G. Centeno	2,780.00
132092	2/17/16	TR6-HB-8132-6531	V. Trybula	1,794.00
132093	2/17/16	TR6-HB-8306-6292	A. Rocco	3,210.00
132094	2/17/16	TR6-HB-9470-20522	A. Linde	1,260.00
132095	2/17/16	TR5W-LH-4808	S. Held	2,030.00
132096	2/17/16	TR6-LH-6862-2120	L. Eichinger	2,868.00
132097	2/17/16	TR6-LH-7677-710	R. Benavides	2,101.63
132098	2/17/16	TR6-LH-9306-521	A. Cadwell-Koch	3,026.00
132099	2/17/16	TR5W-O-3867	M. Esparza	1,440.00
132100	2/17/16	TR5W-O-4011	R. Tharaldson	1,586.00
132101	2/17/16	TR5W-O-5302	A. Crisostomo	1,700.00
132102	2/17/16	TR5W-O-5322	S. Wong	1,620.00
132103	2/17/16	TR6-O-10487-1905	J. Steinleitner	1,908.00
132104	2/17/16	TR6-O-6372-606	M. Cranmer	2,242.00
132105	2/17/16	TR6-O-7391-7036	R. Fuehring	810.00
132106	2/17/16	TR6-O-9879-2225	S. LeVeque	4,058.00
132107	2/17/16	TR5W-SB-4844	K. Welch	880.00
132108	2/17/16	TR6-SB-10238-3831	B. O'Brien	1,400.00
132109	2/17/16	TR6-SB-6589-260	S. Marr	1,820.00
132110	2/17/16	TR5W-TUST-5597	S. Davis	2,006.16
132111	2/17/16	TR5-GSWC-118	C. Carroll	3,612.00
132112	2/17/16	TR6-GSWC-10391-11562	R. Ferraro	1,106.00
132113	2/17/16	TR6-GSWC-7668-19741	B. Wester	2,816.00
132114	2/17/16	TR6-GSWC-9334-5062	A. Patel	466.00
132115	2/17/16	TR6-GSWC-9895-10401	T. Chou	6,000.00
132116	2/17/16	TR6-IRWD-8190-21	Harvard Manor Alpha Property Management (Irvine)	15,767.00
132117	2/17/16	TR5W-IRWD-3618	M. Csintalan	3,236.00
132118	2/17/16	TR5W-IRWD-4222	S. Feick	728.00
132119	2/17/16	TR5W-IRWD-5413	J. Thornton	1,768.00
132120	2/17/16	TR5W-IRWD-5506	M. Pradhan	472.00
132121	2/17/16	TR5W-IRWD-5961	J. Astrup	2,475.00
132122	2/17/16	TR6-IRWD-10013-13107	W. Chiu	500.00
132123	2/17/16	TR6-IRWD-10107-10892	J. Smith	6,000.00
132124	2/17/16	TR6-IRWD-6268-47	X. Zuo	970.00
132125	2/17/16	TR6-IRWD-6645-2	Y. Kim	506.00
132126	2/17/16	TR6-IRWD-6780-4	S. Banko	632.00
132127	2/17/16	TR6-IRWD-6969-39	G. Mazur	710.00
132128	2/17/16	TR6-IRWD-7004-24676	M. Dunn	1,508.00
132129	2/17/16	TR6-IRWD-7181-15	K. Kotnik	600.00
132130	2/17/16	TR6-IRWD-7975-22112	B. Silvey	1,082.00
132131	2/17/16	TR6-IRWD-8018-3	Y. Moh	746.00

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132132	2/17/16	TR6-IRWD-8036-7	C. Burrill	298.00
132133	2/17/16	TR6-IRWD-8526-14632	D. Shields	1,136.00
132134	2/17/16	TR6-IRWD-8597-22645	B. Donat	1,972.00
132135	2/17/16	TR6-IRWD-9123-22231	M. Grecco	2,740.00
132136	2/17/16	TR6-IRWD-9162-108	B. Norman	1,050.00
132137	2/17/16	TR6-IRWD-9214-25856	T. Le	2,078.00
132138	2/17/16	TR6-IRWD-9216-2302	B. McCullough	2,134.00
132139	2/17/16	TR6-IRWD-9299-18681	R. Bartkus	1,736.00
132140	2/17/16	TR6-IRWD-9369-17	Q. Nguyen	1,692.00
132141	2/17/16	TR6-IRWD-9575-29091	T. Hughes	766.00
132142	2/17/16	TR6-IRWD-9620-1	J. Salzman	1,160.00
132143	2/17/16	TR6-IRWD-9626-26136	J. Garwood	370.00
132144	2/17/16	TR6-IRWD-9675-21581	D. Morimoto	1,314.00
132145	2/17/16	TR6-IRWD-9790-51	T. Kline	1,250.00
132146	2/17/16	TR6-IRWD-9918-24652	L. Pritchard	4,314.00
132148	2/17/16	TR7-IRWD-11067-14622	Y. Fan	1,494.00
132149	2/17/16	TR7-IRWD-11172-24201	C. Hardy	1,184.00
132150	2/17/16	TR7-IRWD-11457-2241	D. Eskridge	1,356.00
132151	2/17/16	TR7-IRWD-11565-10	L. Kung	792.00
132152	2/17/16	TR7-IRWD-11634-14	P. Works	848.00
132153	2/17/16	TR7-IRWD-11961-7	M. Ku	372.00
132154	2/17/16	TR7-IRWD-12042-2235	P. Hoffman	1,204.00
132155	2/17/16	TR6-LB-8090-2835	J. Doidge	1,592.00
132156	2/17/16	TR5W-MESA-3745	T. Yoches	2,292.00
132157	2/17/16	TR5W-MESA-4027	C. Saltzman	3,762.00
132158	2/17/16	TR6-SM-7052-6	P. Perkovich	832.00
132159	2/17/16	TR6-YLWD-7695-17022	A. Manassero	5,630.00
			***Total ***	697,555.10
		TURFRP	Turf Removal Program	
132162	2/22/16	TR5W-BP-5434	P. Valentino	1,306.54
132163	2/22/16	TR6-BP-9595-2	S. Deeth	1,674.00
132164	2/22/16	TR6-BP-8724-6635	T. Heywood	2,902.00
132165	2/22/16	TR6-BP-10244-8662	J. or C. Wright	1,754.00
132166	2/22/16	TR6-BP-6186-7464	K. Guarino	386.00
132167	2/22/16	TR6-BP-9401-5971	J. Aemmer	6,000.00
132168	2/22/16	TR6-GG-9677-13181	Y. Luna	1,934.00
132169	2/22/16	TR6-GG-6375-9053	A. Ramos	638.00
132170	2/22/16	TR5W-GG-4200	J. Rodriguez	2,852.00
132171	2/22/16	TR6-HB-7705-6221	G. Wegman	2,032.00
132172	2/22/16	TR6-HB-8419-6101	J. Miller	2,428.00
132173	2/22/16	TR5W-HB-4779	R. Vanderpool	2,698.00
132174	2/22/16	TR6-O-9153-693	C. Yaeger	1,482.00
132175	2/22/16	TR5W-O-4129	R. Bagby	877.12
132176	2/22/16	TR6-O-6130-7944	J. Pledge	1,084.00
132177	2/22/16	TR6-O-8156-1071	J. Cascio	4,782.09
132178	2/22/16	TR5W-O-4457	V. Stubbart	2,004.00
132179	2/22/16	TR6-SJC-6346-27652	E. Fronte	1,618.00
132180	2/22/16	TR5W-ETWD-5181	K. Cabrera	3,608.00

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132181	2/22/16	TR6-ETWD-6515-23492	W. Macsata	498.00
132182	2/22/16	TR6-ETWD-9121-23305	A. Trespando	616.00
132183	2/22/16	TR6-ETWD-9108-24141	S. Tsacoumangos	2,300.00
132184	2/22/16	TR6-GSWC-10101-9456	J. Wan	2,984.00
132185	2/22/16	TR6-GSWC-9886-11600	A. Jain	1,676.00
132186	2/22/16	TR6-GSWC-7199-5591	R. Brown	4,550.00
132187	2/22/16	TR7-IRWD-11573-189	J. Childs	592.00
132188	2/22/16	TR5W-IRWD-4242	N. Calimquim	460.00
132189	2/22/16	TR5W-IRWD-5805	D. Fischer	2,292.00
132190	2/22/16	TR6-IRWD-8402-37	F. Wessel	608.00
132191	2/22/16	TR7-IRWD-12051-88	A. Tesoriero	520.00
132192	2/22/16	TR6-IRWD-9478-22201	R. Rivero	1,776.00
132193	2/22/16	TR6-IRWD-10327-25625	D. Verplancke	876.00
132194	2/22/16	TR6-IRWD-7591-24141	N. To	1,766.00
132195	2/22/16	TR6-IRWD-9985-15	H. Javed	1,150.00
132196	2/22/16	TR6-IRWD-8630-22911	C. Thompson	1,470.00
132197	2/22/16	TR6-IRWD-10350-30	L. Trufkin	1,384.00
132198	2/22/16	TR6-IRWD-10262-11061	G. Stork	6,000.00
132199	2/22/16	TR6-IRWD-10272-25621	R. Woolsey	846.00
132200	2/22/16	TR6-IRWD-9982-44	M. Maldonado	4,488.00
132201	2/22/16	TR6-LB-9656-320	G. Earley	1,626.00
132202	2/22/16	TR5W-LB-5937	L. White	3,375.00
132203	2/22/16	TR6-MESA-10495-417	J. Aschieris	1,280.00
132204	2/22/16	TR5-MESA-082	R. Rhoads	3,434.00
132205	2/22/16	TR5W-MESA-5845	L. Slater	654.00
132206	2/22/16	TR5W-MNT-5107	E. Johnson	8,118.00
132207	2/22/16	TR5W-MNT-5327	J. Mastrangelo	3,325.00
132208	2/22/16	TR5W-MNT-5352	Laguna Sur Villas HOA (Laguna Niguel)	32,135.00
132209	2/22/16	TR5W-MNT-5883	T. McCaffrey	5,323.00
132210	2/22/16	TR5W-MNT-5369	C. Stavert	2,890.00
132211	2/22/16	TR5W-MNT-5896	M. McDuffie	3,917.00
132212	2/22/16	TR5W-MNT-5424	D. Gerasimou	1,786.00
132213	2/22/16	TR5W-MNT-5537	L. Bush	2,823.94
132214	2/22/16	TR6-MNT-6898-29072	G. Veen	9,105.50
132215	2/22/16	TR5W-MNT-4412	F. Greger	2,001.00
132216	2/22/16	TR5W-MNT-4312	C. Calvert	2,353.45
132217	2/22/16	TR5W-MNT-3822	A. Urbank	1,080.00
132218	2/22/16	TR5-MNT-199	C. Fraser	5,050.00
132219	2/22/16	TR5W-MNT-5556	G. Sims	1,592.50
132220	2/22/16	TR5W-MNT-4873	M. Reid	3,178.00
132221	2/22/16	TR6-MNT-10585-25362	D. Eickhoff	2,000.00
132222	2/22/16	TR6-MNT-10213-38	F. Macchia	6,142.50
132223	2/22/16	TR6-MNT-8561-26605	K. Sanatar	2,000.00
132224	2/22/16	TR6-MNT-9941-25392	C. Eagleson	1,536.50
132225	2/22/16	TR6-MNT-8783-27791	D. Smith	2,965.00
132226	2/22/16	TR6-MNT-8912-5	D. Graf	1,960.00
132227	2/22/16	TR6-MNT-9016-26182	T. Higgins	3,153.50
132228	2/22/16	TR6-MNT-9034-16	T. Snyder	2,040.00
132229	2/22/16	TR6-MNT-8325-25222	H. Sadaghian	4,184.00

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132230	2/22/16	TR6-MNT-10281-3	M. Jauregui	10,390.00
132231	2/22/16	TR6-MNT-7965-24011	J. Gray	1,970.00
132232	2/22/16	TR6-MNT-9917-19	J. Pohl	839.92
132233	2/22/16	TR6-MNT-7667-24502	H. Ali	689.50
132234	2/22/16	TR6-MNT-9327-28991	D. Umemoto	9,455.00
132235	2/22/16	TR6-MNT-7999-28682	S. Merkatz	3,620.00
132236	2/22/16	TR6-MNT-7831-25691	B. Pleier	4,670.00
132237	2/22/16	TR6-MNT-7264-29396	G. Middleton	3,234.00
132238	2/22/16	TR6-MNT-7630-24272	J. Hunter	3,880.00
132239	2/22/16	TR6-MNT-7158-26512	T. or K. Sawyer	3,035.00
132240	2/22/16	TR6-MNT-10446-27671	P. Tam	1,250.00
132241	2/22/16	TR6-MNT-9167-22461	R. Heavican	6,555.00
132242	2/22/16	TR5W-SM-4849	L. Auer	2,034.00
132243	2/22/16	TR5W-SM-5070	A. Kobashigawa	1,964.00
132244	2/22/16	TR6-SM-10464-11	A. Anthony	972.00
132245	2/22/16	TR6-SM-9744-28721	A. Garrett	1,744.00
132246	2/22/16	TR6-SM-8587-6	M. Kammerer	602.00
132247	2/22/16	TR6-SM-9699-22381	D. Reinhard	1,570.00
132248	2/22/16	TR6-SM-6800-21	J. Petersen	840.00
132249	2/22/16	TR6-SM-8379-25	S. Savio	1,754.00
132250	2/22/16	TR6-SM-9137-25032	K. Tagawa	1,386.00
132251	2/22/16	TR6-SM-6712-26626	D. Boston	932.00
132252	2/22/16	TR5W-SM-5099	D. Byrne	1,944.00
132253	2/22/16	TR6-SWD-7994-9463	A. Mahler	1,980.00
132254	2/22/16	TR6-SWD-8872-18402	D. Williams	3,160.00
132255	2/22/16	TR6-SWD-6465-18411	K. Robinson	6,000.00
132256	2/22/16	TR6-SOCO-8578-32622	K. Charhut	992.00
132257	2/22/16	TR5W-SOCO-4204	R. Chade	490.00
132258	2/22/16	TR5W-SOCO-6048	K. Folk	1,582.00
132259	2/22/16	TR6-SOCO-7175-27021	S. McCormack	990.00
132260	2/22/16	TR6-BREA-7645-522	T. Robinson	1,510.00
132261	2/22/16	TR5W-GG-6021	E. Lai	4,044.00
132262	2/22/16	TR6-GG-7195-6661	D. Hinton	1,204.00
132263	2/22/16	TR6-HB-7266-5551	J. Forsberg	992.00
132264	2/22/16	TR6-HB-7597-9142	D. Watland	2,200.00
132265	2/22/16	TR6-HB-6744-712	L. Cao	3,153.65
132266	2/22/16	TR6-HB-10197-17112	S. Zone	830.00
132267	2/22/16	TR6-HB-6580-17021	R. Silver	2,088.00
132268	2/22/16	TR6-HB-10490-20242	M. Mahony	1,504.00
132269	2/22/16	TR6-HB-8203-5761	R. Urhausen	1,404.00
132270	2/22/16	TR6-HB-8264-6311	T. Pickles	1,008.00
132271	2/22/16	TR5W-HB-5311	S. Sprague	2,260.00
132272	2/22/16	TR5W-HB-5123	T. Blackburn	2,896.00
132273	2/22/16	TR6-HB-9598-1131	C. Janke	528.00
132274	2/22/16	TR6-HB-9078-15542	E. Heade	2,896.00
132275	2/22/16	TR6-LH-9022-1380	G. Janakiram	1,532.00
132276	2/22/16	TR6-SC-7923-216	T. Gallagher	1,622.00
132277	2/22/16	TR6-SC-9880-425	T. Heitkemper	734.56
132278	2/22/16	TR6-SC-9729-1909	D. McClintock	2,642.00

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132279	2/22/16	TR6-SC-10028-2179	R. Landreth	746.00
132280	2/22/16	TR5-SC-108	R. and M. Kirby	608.00
132281	2/22/16	TR6-SC-9261-505	L. Lowers	980.00
132282	2/22/16	TR5W-SC-3784	St. Andrew's by-the-Sea UMC (San Clemente)	1,788.00
132283	2/22/16	TR5W-SC-4172	F. L'Hommedieu	1,804.00
132284	2/22/16	TR6-SC-7170-2956	S. Kirkham	1,766.00
132285	2/22/16	TR5W-SC-5456	J. Liu	1,420.00
132286	2/22/16	TR5W-SC-5546	J. Kemp	642.00
132287	2/22/16	TR6-SC-7192-1201	C. Thorpe	2,160.00
132288	2/22/16	TR5W-SJC-3318	C. Chapman	1,348.00
132289	2/22/16	TR5W-SJC-5968	S. Howit	1,106.00
132290	2/22/16	TR5W-SJC-5399	R. Heine	6,000.00
132291	2/22/16	TR6-SJC-6094-33811	M. Snaza	2,506.00
132292	2/22/16	TR6-SJC-7323-31982	P. St. Pierre	6,000.00
132293	2/22/16	TR6-SJC-10085-31631	A. and B. Fettel	6,000.00
132294	2/22/16	TR6-SJC-8050-28481	F. Markley	6,000.00
132295	2/22/16	TR6-SJC-8155-28901	S. Kinoshita	802.00
132296	2/22/16	TR6-TUST-7183-13661	S. Shermoen	7,362.00
132297	2/22/16	TR5W-GSWC-4928	S. Mammen	3,112.00
132298	2/22/16	TR5W-GSWC-5807	A. Perry	996.47
132299	2/22/16	TR5W-GSWC-4143	F. Liu	1,264.00
132300	2/22/16	TR6-GSWC-9891-11171	L. Luong	4,748.00
132301	2/22/16	TR6-MESA-6378-3004	V. Duong	1,626.00
132302	2/22/16	TR6-MESA-7483-2513	K. Barker	1,564.00
132303	2/22/16	TR6-MESA-8990-1890	T. Leuck	1,462.00
132304	2/22/16	TR6-MESA-7492-2260	M. Chabler	1,027.69
132305	2/22/16	TR5W-MESA-5433	K. Klepack	1,758.00
132306	2/22/16	TR6-MESA-10241-1585	S. Zaan	2,746.00
132307	2/22/16	TR6-SC-7520-3000	Shorecliffs MHOA (San Clemente)	7,932.65
132308	2/22/16	TR6-MESA-9245-385	D. Sarrafi	1,346.00
132309	2/22/16	TR7-MNT-11740-9	J. Davis	900.00
132310	2/22/16	TR6-MNT-9240-21	R. Carnesale	948.50
132311	2/22/16	TR6-MNT-6305-29766	B. Hendrikse	2,480.00
132312	2/22/16	TR6-MNT-10472-28396	A. Walde	2,580.00
132313	2/22/16	TR6-MNT-10387-30	H. Mon	941.50
132314	2/22/16	TR6-MNT-6284-28495	D. Koepke	913.50
132315	2/22/16	TR5W-MNT-5801	S. Wong	828.16
132316	2/22/16	TR5W-MNT-5105	C. Levine	2,250.00
132317	2/22/16	TR6-MNT-7106-23852	A. Gerlach	1,063.54
132318	2/22/16	TR5W-MNT-4230	M. Karkar	1,800.00
132319	2/22/16	TR6-MNT-10467-24242	K. Rowe	3,104.50
132320	2/22/16	TR6-MNT-10295-35	P. Kempik	3,045.00
132321	2/22/16	TR6-MNT-10458-23361	K. Theofanous	822.50
132322	2/22/16	TR6-MNT-7048-28846	J. Woo	1,780.00
132323	2/22/16	TR6-MNT-7408-45	M. Lucio	1,245.08
132324	2/22/16	TR6-MNT-7503-28147	S. Mashhoodi	1,575.00
132325	2/22/16	TR5W-MNT-4399	R. Roof	8,473.50
132326	2/22/16	TR6-MNT-10178-24202	S. Porrello	2,390.00
132327	2/22/16	TR6-MNT-8062-28621	J. Omlor	4,400.00

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132328	2/22/16	TR6-MNT-6181-24881	E. Vassey	6,706.00
132329	2/22/16	TR6-SM-7190-41	M. Koester	2,586.00
132330	2/22/16	TR5W-SM-5387	S. Timmons	1,302.00
132331	2/22/16	TR5W-SM-5464	A. Shilling	1,068.00
132332	2/22/16	TR6-SM-10234-22952	J. Verber	674.00
132333	2/22/16	TR6-SM-6987-24151	E. and C. Beck	906.00
132334	2/22/16	TR6-SM-8795-27242	J. Velasquez	1,124.00
132335	2/22/16	TR6-SM-8761-6	M. Carranza	2,316.00
132336	2/22/16	TR5W-SM-4888	M. Chamsay	1,450.00
132337	2/22/16	TR6-SM-8013-21192	M. Olortegui	3,272.00
132338	2/22/16	TR5W-SM-4174	G. Rath	722.00
132339	2/22/16	TR6-SM-10436-20	A. Salvatore	2,564.00
132340	2/22/16	TR6-SM-10571-5	A. Hall	1,800.00
132341	2/22/16	TR5W-SM-3767	E. Saberi	1,230.00
132342	2/22/16	TR6-SM-8397-10	J. Cressy	4,140.00
132343	2/22/16	TR5W-SM-4440	B. Bulger	728.00
132344	2/22/16	TR6-SM-6774-61	A. Colin	764.00
132345	2/22/16	TR5W-SWD-5330	C. Azling	8,974.00
132346	2/22/16	TR6-SWD-9805-9851	R. Jordan	4,526.00
132347	2/22/16	TR5W-SWD-4233	V. Moorehead	2,536.00
132348	2/22/16	TR6-SWD-9844-9422	M. Hempstead	6,000.00
132349	2/22/16	TR6-SWD-7236-10151	R. Liu	4,880.00
132350	2/22/16	TR6-SWD-6684-10291	L. Reid	3,862.00
132351	2/22/16	TR6-SOCO-6541-32641	M. Xie	622.00
132352	2/22/16	TR5W-SOCO-5866	Monarch Bay Association (Dana Point)	2,817.00
132353	2/22/16	TR6-SOCO-9592-16	B. Lok	2,736.00
132354	2/22/16	TR6-SOCO-10553-33371	I. Young	1,212.00
132355	2/22/16	TR5W-SOCO-4933	D. Kokx	1,038.00
132356	2/22/16	TR6-SOCO-6554-33591	S. Leonard	2,252.00
132357	2/22/16	TR5W-SOCO-4090	S. Hutchens	1,660.00
132358	2/22/16	TR5W-SOCO-4111	R. Douglas II	2,178.00
132359	2/22/16	TR6-SOCO-6218-32561	P. Derbonne	2,326.00
132360	2/22/16	TR5W-SOCO-5802	W. Palmer	372.00
132361	2/22/16	TR6-SOCO-10406-24351	L. Grant	2,312.00
132362	2/22/16	TR5W-SOCO-5132	M. Wasinger	1,718.00
132363	2/22/16	TR5W-SOCO-5098	L. Conger	1,070.00
132364	2/22/16	TR6-TC-10383-32924	M. Henryck	2,192.00
132365	2/22/16	TR6-TC-7518-19	M. Fujimoto	860.00
132366	2/22/16	TR5W-YLWD-4007	A. George	6,000.00
132367	2/22/16	TR5W-YLWD-4203	J. Hammel	5,554.00
132368	2/22/16	TR6-YLWD-7939-5070	D. Koenig	1,100.00
132369	2/22/16	TR5W-YLWD-4075	S. Connolly	3,344.00
132370	2/22/16	TR5W-YLWD-5426	P. Norton	1,304.00
132371	2/22/16	TR6-YLWD-8047-4921	R. Davis	1,866.00
Total				544,337.86

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		TURFRP	Turf Removal Program	
132372	2/23/16	TR6-BREA-10214-628	R. Wilson	1,674.39
132373	2/23/16	TR6-BP-9855-6741	J. Burton	876.00
132374	2/23/16	TR5W-HB-5419	J. Rios	1,580.00
132375	2/23/16	TR6-HB-6100-21212	W. Trout	1,536.00
132376	2/23/16	TR6-LP-8254-5302	J. Hickling	1,260.00
132377	2/23/16	TR6-NWPT-6230-420	P. Vinnicof	3,532.00
132378	2/23/16	TR6-NWPT-7248-2812	Z. Fischer	1,898.00
132379	2/23/16	TR5W-NWPT-4768	D. Toman	4,158.00
132380	2/23/16	TR6-NWPT-9610-1728	S. Galant	596.00
132381	2/23/16	TR5W-NWPT-5868	Granville Community Association (Newport Beach)	983.00
132382	2/23/16	TR5W-O-5483	C. Warner	4,004.00
132383	2/23/16	TR6-O-6118-414	S. Meadows	1,862.00
132384	2/23/16	TR6-O-9645-1205	F. Aguilon	2,160.00
132385	2/23/16	TR6-SC-10037-639	J. Lamb	3,110.00
132386	2/23/16	TR6-SC-6785-415	T. Norton	672.00
132387	2/23/16	TR6-TUST-9945-17361	S. Meeth	2,895.00
132388	2/23/16	TR5-GSWC-116	J. Esswein	624.00
132389	2/23/16	TR5W-IRWD-5756	S. DeMille	2,848.00
132390	2/23/16	TR7-IRWD-11618-14701	T. Kenney	994.00
132391	2/23/16	TR5W-IRWD-5881	G. Meenakshisundaram	6,366.00
132392	2/23/16	TR5W-IRWD-6008	T. McCarthy	1,130.00
132393	2/23/16	TR6-MESA-7992-1761	M. Farahat	3,178.00
132394	2/23/16	TR5-MESA-078	J. Florey	1,960.00
132395	2/23/16	TR5W-MNT-4038	J. Oakson	1,088.50
132396	2/23/16	TR5W-MNT-4224	C. Anders	6,346.49
132397	2/23/16	TR6-MNT-7258-24792	R. Ashe-Everest	1,865.21
132398	2/23/16	TR6-MNT-9766-25101	R. Hart	12,953.00
132399	2/23/16	TR6-SM-7448-21571	D. Olsen	752.00
132400	2/23/16	TR6-SM-7905-24411	D. Quan	2,374.00
132401	2/23/16	TR5W-SM-4293	G. Farmer	1,524.00
132402	2/23/16	TR6-SWD-9878-18111	Joel Kotkin Associates (Villa Park)	2,974.00
132403	2/23/16	TR6-YLWD-7926-4122	S. Swarat	2,750.00
132404	2/23/16	TR6-YLWD-7201-16911	J. Bremer	2,972.00
132405	2/23/16	TR6-SM-9190-22	D. Vyas (Re-issue)	2,410.00
132406	2/23/16	TR6-GSWC-8486-10431	T. Chou (Re-issue)	5,512.00
132407	2/23/16	TR6-HB-10595-16141	Y. Kotani	1,370.00
132408	2/23/16	TR5W-YLWD-5920A	L. Tamres (Re-issue)	6,000.00
132409	2/23/16	TR7-IRWD-10607-2A	P. Roberts (Re-issue)	1,336.00
***Total ***				102,123.59
		DRIPPR	Spray to Drip Program	
132410	2/25/16	S2D-ETWD-3136	F. Soliman	525.00
132411	2/25/16	S2D-GSWD-3851	T. Maraldo	335.69
132412	2/25/16	S2D-IRWD-3792	C. Guo	337.84
132413	2/25/16	S2D-LBCWD-3859	E. Shirazi	471.56
132414	2/25/16	S2D-MNWD-3803	G. Hines	373.05
132415	2/25/16	S2D-MNWD-3855	J. Ammann	285.00
132416	2/25/16	S2D-SMWD-3043A	B. Spolter	350.00

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132417	2/25/16	S2D-SMWD-3086	R. Gloss	525.00
132418	2/25/16	S2D-SMWD-3854	C. Yang	196.08
132419	2/25/16	S2D-SMWD-3755	G. Sirin	363.47
132420	2/25/16	S2D-YLWD-3067	J. Garnant	525.00
132421	2/25/16	S2D-YLWD-3797	N. Ahadiat	175.00
132422	2/25/16	S2DC-BREA-2140	Amcor Sunclipse (Brea)	1,603.18
132423	2/25/16	S2DC-MESA-2147	R. Gardner(Villa West Apts) (Costa Mesa)	234.81
132424	2/25/16	S2DC-MNWD-2105	E. Niguel Community Assoc. (Mission Viejo)	1,000.00
132425	2/25/16	S2DC-MNWD-2106	El Niguel Heights Comm. Assoc. (Mission Viejo)	500.00
132426	2/25/16	S2DC-MNWD-2107	El Niguel Heights Comm. Assoc. (Mission Viejo)	1,800.00
132427	2/25/16	S2DC-MNWD-4262	Village Cottages HOA (Lake Forest)	3,684.00
132428	2/25/16	S2DC-MNWD-2010	Foothill Townhomes Community Assoc. (Laguna Niguel)	14,812.24
132429	2/25/16	S2DC-MNWD-2012	Foothill Townhomes Community Assoc. (Laguna Niguel)	9,031.80
132430	2/25/16	S2DC-SMWD-2008	Palmia Master Association (Mission Viejo)	5,067.20
132431	2/25/16	S2DC-SMWD-2137	Terrace View Community Assoc. (Mission Viejo)	1,700.00
132432	2/25/16	S2DC-WSTM-2121	Weingarten Reality Management Co. (Westminster)	2,100.00
132433	2/25/16	S2DC-WSTM-2109	Westminster Abbey HOA (Westminster)	967.80
132434	2/25/16	S2D-SMWD-3039	S. Jones	390.96
			***Total ***	47,354.68
		TURFRP	Turf Removal Program	
132435	2/26/16	TR5W-BREA-4189	A. Tran	1,140.00
132436	2/26/16	TR6-BREA-6571-1424	J. Saunders	2,462.00
132437	2/26/16	TR6-BREA-6648-990	D. Daucher	1,784.00
132438	2/26/16	TR6-BREA-6896-621	M. Pipes	1,400.00
132439	2/26/16	TR6-BP-9461-6340	R. Floesser	1,656.00
132440	2/26/16	TR5W-HB-4062	N. Noroian	3,390.00
132441	2/26/16	TR5W-HB-5158	R. Lauer	1,030.00
132442	2/26/16	TR6-HB-6265-8441	A. Accetta	2,984.00
132443	2/26/16	TR6-HB-7455-16522	H. Cao	2,028.00
132444	2/26/16	TR6-LH-6279-321	C. Kurth	2,346.00
132445	2/26/16	TR5-SC-091	Presidential Heights I Comm. Assoc. (San Clemente)	5,200.00
132446	2/26/16	TR5W-SC-4758	D. Hickman	1,252.00
132447	2/26/16	TR6-SC-10066-934	C. Snider	1,556.00
132448	2/26/16	TR6-SC-10236-3005	L. Van Myers	1,826.00
132449	2/26/16	TR6-SC-6280-2883	A. De Viso	1,094.90
132450	2/26/16	TR6-SC-6449-108	D. Martin	6,000.00
132451	2/26/16	TR6-SC-6778-488	T. Murphy	4,114.00
132452	2/26/16	TR6-SC-7103-27	P. Sileci	567.00
132453	2/26/16	TR6-SC-7698-1315	S. Burns	3,276.00
132454	2/26/16	TR6-SC-7865-1330	C. Maxwell	1,360.00
132455	2/26/16	TR6-SC-9921-906	K. Bertrand	1,406.00
132456	2/26/16	TR6-SJC-6240-33576	J. Belkin	792.00
132457	2/26/16	TR6-SJC-7135-27452	J. Habbouch	3,014.00
132458	2/26/16	TR6-SJC-7764-27990	A. Discenzo	774.00
132459	2/26/16	TR6-SJC-8324-25582	P. Scott	2,118.00
132460	2/26/16	TR6-SJC-9606-32501	N. Harman	1,061.18
132461	2/26/16	TR6-TUST-6723-2071	E. Hungerle	6,927.00
132462	2/26/16	TR6-WEST-6830-6061	J. York	2,256.00

Municipal Water District of Orange County
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Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
132463	2/26/16	TR5W-GSWC-4281	A. Schneider	944.00
132464	2/26/16	TR5W-GSWC-5940	J. Hensley	1,494.00
132465	2/26/16	TR6-GSWC-7349-11432	J. Thompson	3,528.00
132466	2/26/16	TR6-GSWC-7537-3031	E. Kurata	2,254.00
132467	2/26/16	TR6-GSWC-8250-19795	R. Koch	1,504.00
132468	2/26/16	TR6-GSWC-8302-6043	L. Matsuyama	300.00
132469	2/26/16	TR6-GSWC-9069-1492	J. Baker	6,000.00
132470	2/26/16	TR5W-IRWD-3053	Lake Forest Community Association (Lake Forest)	546,072.00
132471	2/26/16	TR5W-IRWD-5951	Newport Chateaux HOA (Costa Mesa)	600.00
132472	2/26/16	TR5W-IRWD-4276	A. Brown	600.00
132473	2/26/16	TR5W-IRWD-5004	A. Danesh	480.00
132474	2/26/16	TR5W-IRWD-5698	M. Thomas	740.00
132475	2/26/16	TR5W-IRWD-6469	K. Guerin	3,060.00
132476	2/26/16	TR6-IRWD-10012-14792	J. Mehta	900.00
132477	2/26/16	TR6-IRWD-10124-28561	K. Burton	900.00
132478	2/26/16	TR6-IRWD-10181-3371	P. Filicicchia	788.00
132479	2/26/16	TR6-IRWD-10334-11	J. Narayan	3,546.00
132480	2/26/16	TR6-IRWD-6672-25072	M. Andekian	2,490.00
132481	2/26/16	TR6-IRWD-7216-25172	D. Lathrop	2,374.00
132482	2/26/16	TR6-IRWD-7635-21	J. Herbert	2,008.00
132483	2/26/16	TR6-IRWD-8513-41	D. Sparks	4,420.00
132484	2/26/16	TR6-IRWD-8550-24872	L. Niebla	1,778.00
132485	2/26/16	TR6-IRWD-8806-3741	J. Drapkin	1,334.00
132486	2/26/16	TR6-IRWD-9052-3642	D. Guillermo	2,266.12
132487	2/26/16	TR6-IRWD-9063-32	L. Miller	220.37
132488	2/26/16	TR6-IRWD-9128-22092	M. Paxton	1,418.00
132489	2/26/16	TR7-IRWD-11164-24785	R. Toubaux	1,006.00
132490	2/26/16	TR7-IRWD-11371-4	V. Sharma	1,224.00
132491	2/26/16	TR7-IRWD-11976-24665	D. / C. Freed	1,188.00
132492	2/26/16	TR5-MESA-085	E. Klatte	2,232.00
132493	2/26/16	TR6-MESA-7456-383	A. Cuneo	378.00
132494	2/26/16	TR6-MESA-7860-849	Pelican Investments 8 LLC (Newport Beach)	490.00
132495	2/26/16	TR5W-MNT-4012	P. Stone	2,212.00
132496	2/26/16	TR5W-MNT-4224D	J. Tang	1,260.00
132497	2/26/16	TR5W-MNT-5083	R. Goldmann	5,865.00
132498	2/26/16	TR5W-MNT-5931	C. Brooks	2,188.50
132499	2/26/16	TR5W-MNT-5948	S. Karimi	4,581.00
132500	2/26/16	TR5W-MNT-6024	R. Claiborne	3,524.50
132501	2/26/16	TR6-MNT-10007-25971	T. Hartley	2,315.00
132502	2/26/16	TR6-MNT-7426-28401	W. Peacher	11,406.00
132503	2/26/16	TR6-MNT-7449-7	S. Cannan	2,300.00
132504	2/26/16	TR6-MNT-7582-1	P. Howard	6,975.00
132505	2/26/16	TR6-MNT-7854-36	S. Stappaerts	2,758.00
132506	2/26/16	TR6-MNT-9275-22271	H. Hass	5,330.50
132507	2/26/16	TR5W-SM-4790	P. Madro	1,344.00
132508	2/26/16	TR5W-SM-4856	S. Lindsey	1,230.00
132509	2/26/16	TR5W-SM-5856	K. Ells	3,604.00
132510	2/26/16	TR6-SM-10086-22	J. LaClair	2,048.00
132511	2/26/16	TR6-SM-10179-59	B. Harrison	942.00

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132512	2/26/16	TR6-SM-8826-10	F. Ricks	6,000.00
132513	2/26/16	TR6-SM-9967-22202	B. Lekander	1,276.00
132514	2/26/16	TR5W-SM-5220	T. Le	1,932.00
132515	2/26/16	TR6-SM-7240-23	J. Benner	1,156.00
132516	2/26/16	TR5W-SM-5578	T. Schumacher	900.00
132517	2/26/16	TR6-SM-7508-5	C. Massaro	1,152.00
132518	2/26/16	TR5W-SM-4231	M. Becklund	4,012.00
132519	2/26/16	TR6-SM-7231-21891	D. Dawly	1,083.38
132520	2/26/16	TR6-SM-7054-2	A. Lujan	2,782.00
132521	2/26/16	TR6-SM-6917-11	C. and W. Chronister	1,878.00
132522	2/26/16	TR6-SM-6804-22141	A. Valk	2,108.00
132523	2/26/16	TR6-SM-6103-24622	P. Pirooznia	3,456.00
132524	2/26/16	TR5W-SM-6662	K. Sherman	4,282.00
132525	2/26/16	TR6-SOCO-10118-24581	M. Exworthy	1,586.00
132526	2/26/16	TR6-SOCO-9825-32861	N. Geraths	1,006.00
132527	2/26/16	TR5W-FV-4099	K. Steinke	2,276.00
132528	2/26/16	TR5W-FV-5864	S. Regler	3,200.00
132529	2/26/16	TR6-FV-10233-10835	M. Aliano	834.00
132530	2/26/16	TR6-FV-6731-18252	B. Savill	3,100.00
132531	2/26/16	TR6-FV-7566-9360	D. Matalon	1,224.00
132532	2/26/16	TR6-FV-7886-9781	D. Dieu	898.00
132533	2/26/16	TR5W-GG-4818	K. Vu	3,170.00
132534	2/26/16	TR6-GG-7187-10641	H. Tran	737.36
132535	2/26/16	TR5W-HB-4674	R. Mudry	1,102.00
132536	2/26/16	TR6-LP-8042-22	The Realty Associates Fund IX, LP (La Palma)	2,360.00
132537	2/26/16	TR5-NWPT-022	D. Ardell	480.00
132538	2/26/16	TR5W-NWPT-4105	D. Springer	2,508.00
132539	2/26/16	TR6-NWPT-8607-19	R. Montgomery-Cicchese	946.00
132540	2/26/16	TR6-O-8179-2560	A. Myers	3,300.00
132541	2/26/16	TR6-O-9818-5515	L. Lundgren	1,152.00
132542	2/26/16	TR5W-SJC-4101	T. Schauwecker	7,982.00
132543	2/26/16	TR5W-SJC-5704	D. Melsom	4,852.00
132544	2/26/16	TR6-SJC-6289-33632	R. Williams	1,116.00
132545	2/26/16	TR6-TUST-6512-14622	R. Moore	5,634.00
132546	2/26/16	TR6-TUST-6735-2021	W. Dickinson	4,161.00
132547	2/26/16	TR6-TUST-8652-1301	P. Brandlin	2,907.00
132548	2/26/16	TR6-ETWD-6229-24632	N. Suarez	1,876.00
132549	2/26/16	TR5W-GSWC-5863	Placentia Round Table Women's Club (Placentia)	2,934.00
132550	2/26/16	TR6-GSWC-6846-11682	M. Cuiity	1,504.00
132551	2/26/16	TR5W-IRWD-5177	V. Chen	972.00
132552	2/26/16	TR6-IRWD-10130-21021	D. Mihalik	1,764.00
132553	2/26/16	TR6-IRWD-6706-19	W. Sandholtz	1,318.00
132554	2/26/16	TR6-IRWD-6772-11236	P. Wasserman	6,000.00
132555	2/26/16	TR6-IRWD-6931-92	E. Reed	694.00
132556	2/26/16	TR6-IRWD-7378-2	T. Garrett	630.00
132557	2/26/16	TR6-IRWD-7833-11	J. Rosenberg	344.53
132558	2/26/16	TR6-IRWD-8436-25021	F. Ma	562.00
132559	2/26/16	TR6-IRWD-8573-10	C. Chia	918.00
132560	2/26/16	TR6-IRWD-8623-12	M. Lo	888.00

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132561	2/26/16	TR6-IRWD-8931-39	S. Eversaul	1,486.00
132562	2/26/16	TR6-IRWD-9700-5385	J. Quiros	1,176.00
132563	2/26/16	TR6-IRWD-9843-26	C. Freeman	562.00
132564	2/26/16	TR6-IRWD-9846-2645	R. Cho	1,946.00
132565	2/26/16	TR5-MNT-231	J. Grissom	3,958.50
132566	2/26/16	TR5W-MNT-5587	S. Cameron	2,224.98
132567	2/26/16	TR6-MNT-10044-2	R. Miller	1,720.00
132568	2/26/16	TR5-MNT-264	Harvest HOA (Aliso Viejo)	5,655.00
132569	2/26/16	TR6-O-6511-1831	T. Ly	2,710.00
132570	2/26/16	TR6-MNT-7161-28891	S. Hopp	5,815.00
132571	2/26/16	TR6-MNT-7179-25692	R. or N. Galaz	5,260.00
132572	2/26/16	TR6-MNT-8200-23642	E. Arluk	1,505.00
132573	2/26/16	TR6-MNT-8914-26642	G. Herling	3,078.00
132574	2/26/16	TR6-MNT-9957-26922	H. Newman	1,534.00
132575	2/26/16	TR5W-SM-5364	K. Varricchio	1,238.00
132576	2/26/16	TR6-SM-6380-24492	H. Woo	608.00
132577	2/26/16	TR6-SM-8054-21092	S. Wright	239.60
132578	2/26/16	TR6-SM-8435-31862	A. Harp	908.00
132579	2/26/16	TR6-SWD-8312-18622	M. Divola	5,276.00
132580	2/26/16	TR6-YLWD-8133-4317	D. Lee	6,000.00
132581	2/26/16	TR6-BREA-10151-3591	D. Lin	800.00
132582	2/26/16	TR5-FV-029	P. O'Donnell	1,518.00
132583	2/26/16	TR5W-FV-4869	J. Luu	2,298.00
132584	2/26/16	TR6-FV-10287-18882	R. Perez-Silva	1,950.00
132585	2/26/16	TR6-HB-9800-20371	D. Coulson	1,750.00
132586	2/26/16	TR6-O-6675-2945	S. Casler	2,636.00
132587	2/26/16	TR6-SJC-6533-31411	M. Becerra	2,462.48
132588	2/26/16	TR5-TUST-025	V. Ferraro	13,038.00
132589	2/26/16	TR5W-TUST-4742	M. Svoboda	3,172.00
132590	2/26/16	TR5W-TUST-5117	S. Pettifer	3,354.79
132591	2/26/16	TR5W-TUST-5700	M. Distefano	5,019.00
132592	2/26/16	TR6-TUST-6760-12362	D. Woodward	579.37
132593	2/26/16	TR6-TUST-6876-13592	R. Hsieh	5,271.00
132594	2/26/16	TR6-TUST-8656-14742	L. Reed	2,313.00
132595	2/26/16	TR6-TUST-8938-14772	A. Krenz	1,824.00
132596	2/26/16	TR6-TUST-9322-12012	J. Kuperberg	7,626.00
132597	2/26/16	TR5-WEST-012	D. Hoang	4,672.00
132598	2/26/16	TR5W-WEST-4229	B. Jacobs	1,272.00
132599	2/26/16	TR6-WEST-7102-14156	L. Whittington	716.00
132600	2/26/16	TR6-WEST-8794-8761	E. Dykes	2,292.00
132601	2/26/16	TR6-WEST-8939-6071	J. Roche	2,368.00
132602	2/26/16	TR6-WEST-9854-16092	D. Tran	1,210.00
132603	2/26/16	TR6-WEST-9987-13451	E. Wilson	3,462.00
132604	2/26/16	TR5-GSWC-115	F. Botero	3,084.00
132605	2/26/16	TR5W-GSWC-4850	R. Krumhauer	590.00
132606	2/26/16	TR5W-GSWC-5702	M. Lee	1,500.00
132607	2/26/16	TR5W-GSWC-5923	T. Fordham	650.00
132608	2/26/16	TR6-SOCO-10367-32762	G. Gerth	6,000.00
132609	2/26/16	TR6-GSWC-6108-6121	E. Glover	1,080.00

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132610	2/26/16	TR5W-MNT-5876A	B. Moghadasi	1,868.29
132611	2/26/16	TR6-GSWC-6460-6042	M. Aldrich	1,810.00
132612	2/26/16	TR6-GSWC-7242-11972	S. Howe	4,220.00
132613	2/26/16	TR5W-MNT-4813	W. Baker	1,605.00
132614	2/26/16	TR6-GSWC-7710-1706	P. Bagnall	5,636.00
132615	2/26/16	TR6-GSWC-8637-10951	M. Hembree	1,798.00
132616	2/26/16	TR5W-IRWD-4271	O. Villanueva	1,116.00
132617	2/26/16	TR5W-IRWD-4770	R. Thrasher	410.59
132618	2/26/16	TR5W-IRWD-5151	C. Cline	216.00
132619	2/26/16	TR5W-IRWD-5746	Merchants Landscape (Irvine)	10,130.00
132620	2/26/16	TR5W-IRWD-5751	Merchants Landscape (Irvine)	10,460.00
132621	2/26/16	TR5W-IRWD-5862	Merchants Landscape (Irvine)	10,626.00
132622	2/26/16	TR6-IRWD-10164-2	Q. Nguyen	1,154.00
132623	2/26/16	TR6-IRWD-6650-28	R. Labelle	1,022.00
132624	2/26/16	TR6-IRWD-10266-21342	J. Rice	2,424.00
132625	2/26/16	TR5W-GSWC-5889	T. Nguyen	6,000.00
132626	2/26/16	TR6-IRWD-10276-22632	C. Waterman	768.00
132627	2/26/16	TR5-O-088	M. Masterson	1,734.00
132628	2/26/16	TR6-LH-6299-1650	J. Kropacek	842.00
132629	2/26/16	TR6-IRWD-10643-29061	J. Henslick	962.00
132630	2/26/16	TR6-GG-6686-12051	H. Dudley	3,360.00
132631	2/26/16	TR6-IRWD-7524-4	A. Johnson	570.00
132632	2/26/16	TR6-IRWD-7707-5762	R. Del Castillo	1,160.00
132633	2/26/16	TR6-IRWD-8275-14112	S. Kessler	2,300.00
132634	2/26/16	TR6-YLWD-8609-20475	R. Langan	1,550.00
132635	2/26/16	TR6-IRWD-8595-14	M. Elzarki	638.00
132636	2/26/16	TR6-IRWD-8702-19	G. Collins	1,080.00
132637	2/26/16	TR6-YLWD-8243-5761	M. Kassoy	1,096.00
132638	2/26/16	TR6-YLWD-8071-18191	C. Chan	1,334.00
132639	2/26/16	TR6-IRWD-9980-24301	US REIF Lake Forest Village (Lake Forest)	25,000.00
132640	2/26/16	TR6-YLWD-7773-1001	E. Reynolds	980.00
132641	2/26/16	TR6-YLWD-7772-17361	K. Buchness	4,030.00
132642	2/26/16	TR5W-MESA-5377	K. Russ	3,520.00
132643	2/26/16	TR6-YLWD-7656-4642	K. Bell	1,552.00
132644	2/26/16	TR5W-YLWD-5354	I. Stevens	3,422.00
132645	2/26/16	TR5W-MESA-5381	K. Russ	1,476.00
132646	2/26/16	TR5W-YLWD-5288	D. Randall	3,492.00
132647	2/26/16	TR6-MESA-10243-872	L. Sanders	3,156.00
132648	2/26/16	TR5W-YLWD-4037	S. Galkar	900.00
132649	2/26/16	TR5-MNT-241	C. Von Guenther	3,997.00
132650	2/26/16	TR6-TC-7400-21145	R. Macha	672.00
132651	2/26/16	TR5-MNT-266	K. Rawlings	2,072.00
132652	2/26/16	TR5W-MNT-4787	M. Brabeck	409.50
132653	2/26/16	TR6-TC-7075-27	J. Kosmenko	1,988.00
132654	2/26/16	TR5W-MNT-4838	A. Pratt	2,961.00
132655	2/26/16	TR5W-MNT-4868	B. Notko	886.42
132656	2/26/16	TR5W-SOCO-5208	M. Howell	2,844.00
132657	2/26/16	TR5W-MNT-5902	B. Rosiak	6,491.70
132658	2/26/16	TR6-SOCO-9254-33626	Searidge Condo #1 Association (Dana Point)	25,000.00

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132659	2/26/16	TR6-MNT-6537-7	N. Powers	8,625.00
132660	2/26/16	TR6-MNT-6997-24536	M. Villela	3,059.00
132661	2/26/16	TR6-SM-8481-16	J. Tracy	914.00
132662	2/26/16	TR6-MNT-7533-1	J. Appel	4,112.50
132663	2/26/16	TR6-SM-8049-27542	F. Semmelsberger	2,160.00
132664	2/26/16	TR6-MNT-7593-9	D. Newhouse	4,714.50
132665	2/26/16	TR6-MNT-7709-80	D. Cave	5,051.00
132666	2/26/16	TR6-MNT-8443-26972	K. Marangi	8,700.00
132667	2/26/16	TR6-MNT-9096-24231	L. Sabers	5,922.00
132668	2/26/16	TR5W-BP-5520	Los Coyotes HOA (Buena Park)	11,352.00
132669	2/26/16	TR5W-IRWD-3771	Lakeside Park HOA (Lake Forest)	14,210.00
			***Total ***	1,211,154.56
		TURFRP	Turf Removal Program	
132670	2/29/16	TR5W-BREA-3572A	P. Plunkett	2,484.00
132671	2/29/16	TR5W-BREA-4178A	K. McLaughlin	1,134.00
132672	2/29/16	TR5W-BREA-4023A	T. Lange	1,048.00
132673	2/29/16	TR5W-BREA-3753A	J. Dower	325.00
132674	2/29/16	TR5W-BREA-3889A	R. Black	548.00
132675	2/29/16	TR5-BREA-036A	K. Palmer	1,116.00
132676	2/29/16	TR5W-SJC-5764	J. Copeland	1,094.00
132677	2/29/16	TR6-IRWD-7112-26	D. Liaw	648.00
132678	2/29/16	TR6-IRWD-6732-21441	D. Reynolds	1,720.00
132679	2/29/16	TR6-IRWD-10423-74	G. Bolin	3,266.00
132680	2/29/16	TR6-LB-10055-954	J. Sleeper	672.00
			***Total ***	14,055.00
132684	2/29/16	ATTEOC	AT&T	
		4492-FEB16	February 2016 S. EOC telephone expense	267.31
		8200-FEB16	February 2016 N. EOC telephone expense	203.43
			***Total ***	470.74
132686	2/29/16	CATALI	Catalina Island Conservancy	
		0012444	February 2016 WEROC radio repeater site lease	1,636.47
			***Total ***	1,636.47
132694	2/29/16	TURFRP	Turf Removal Program	
		TR6-IRWD-8640-21788	L. Frappia	126.00
			***Total ***	126.00
132695	2/29/16	USBANK	U.S. Bank	
		5783-JAN16A	12/22/15-1/22/16 Cal Card charges	87.16
			***Total ***	87.16
			(See attached sheet for details)	

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132696	2/29/16	TURFRP	Turf Removal Program	
		TR6-WEST-8689-7862	S. Pham (Re-issue)	2,380.00
			***Total ***	2,380.00
ACH001869	2/29/16	BERGJO	Joseph Berg	
		013116	January 2016 Business expense	4.50
			***Total ***	4.50
ACH001872	2/29/16	HUBBAR	Kelly Hubbard	
		123115	December 2015 Business expense	140.80
			***Total ***	140.80
ACH001873	2/29/16	HUBBAR	Kelly Hubbard	
		013116	January 2016 Business expense	129.73
			***Total ***	129.73
ACH001882	2/29/16	SANTAM	Santa Margarita Water District	
		DEC2015	December 2015 SCP Operation surcharge	10,162.80
			***Total ***	10,162.80
WIRE-160229	1/29/16	METWAT	Metropolitan Water District	
		8596	December 2015 Water Deliveries	8,361,615.32
			***Total ***	8,361,615.32
Total Other Funds Disbursements				11,058,937.84
Total Disbursements				11,073,154.36



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

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

Date	Description	Amount
<u>K. Seckel Card</u>		
12/22/15	UPS delivery charges for Board & Committee packets on 12/8/15 & 12/15/15	\$ 65.68
12/23/15	Cinemark movie tickets for employee purchase	435.00
12/29/15	Partial refund for 12/15/15 Staff holiday luncheon	(200.00)
12/31/15	Simplicity job posting for Public Affairs Student Intern position	165.00
01/04/16	Lunch for Orange County Reliability meeting	235.50
01/06/16	5 Toner cartridges for Ricoh color printer	320.22
01/05/16	Orange County Business Council Advocacy Trip in Sacramento, CA from Feb. 29-Mar. 1, 2016 - Airfare for Director Barbre	209.96
01/05/16	Orange County Business Council Advocacy Trip in Sacramento, CA from Feb. 29-Mar. 1, 2016 - Airfare for H. Baez	209.96
01/07/16	1 Year subscription for Shutterstock.com Images On Demand	29.00
01/07/16	Orange County Business Council Advocacy Trip in Sacramento, CA from Feb. 29-Mar. 1, 2016 - Registration for Director Barbre & H. Baez	1,900.00
01/09/16	Sympathy flowers	80.90
01/12/16	UPS delivery charges for Board & Committee packets on 1/8/16	5.95
01/11/16	Legislative activities in Washington, DC from Feb. 24-25, 2016 - Airfare change for Director Barbre	656.01
01/14/16	US-Australia Dialogue on Water Management and Drought meeting in Santa Monica, CA on Feb. 5, 2016 - Registration for J. Berg	32.64
01/13/16	Legislative activities in Sacramento, CA from Feb. 21-22, 2016 - Airfare for H. Baez	411.96
01/14/16	1 Toner cartridge	85.31
01/14/16	1 Toner cartridge	85.31
01/15/16	2 Toner cartridges from Costco	170.62 ¹
01/16/15	Legislative activities in Washington, DC from Jan. 13-15, 2016 - Accommodations for H. Baez	532.33
01/17/16	Legislative activities in Washington, DC from Jan. 13-16, 2016 - Accommodations for Director Barbre	1,796.26 ²
01/18/16	Google AdWords campaign to promote water conservation and rebates	33.36
01/18/16	2 Year renewal for CSANS.net domain name	174.32
01/18/16	Staff development lunch	239.22
01/19/16	UPS delivery charges for Board & Committee packets on 1/8/16 & 1/14/16	132.23
Total		<u>\$ 7,806.74</u>

¹ Order canceled, product was returned to Costco for cash refund


² R. Barbre reimbursed MWDOC \$1,112.68

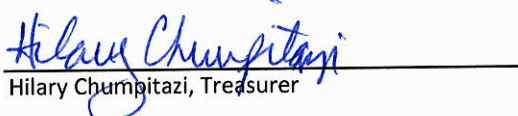
Cal Card Statement Detail
Statement Date: January 22, 2016
Payment Date: February 29, 2016

Date	Description	Amount
<u>R. Hunter Card</u>		
1/23/15-1/22/16	Meals for R. Hunter's meetings on various dates	\$ 232.43
01/04/16	ACWA DC2016 Conference in Washington, DC from Feb 23-25, 2016 - Registration for R. Hunter	625.00
01/04/16	ACWA DC2016 Conference in Washington, DC from Feb 23-25, 2016 - Registration for H. Baez	625.00
01/07/16	Alliance for Water Efficiency webinar on Jan 27, 2016 - Registration for J. Berg	40.00
01/14/16	Orange County Water Association Meeting on Feb. 17, 2016 in Irvine, CA - Registration for Director Hinman	30.00
01/16/16	Grand Jury State Water Project Inspection trip from Jan 15-16, 2016 - Parking for R. Hunter	40.00
01/21/16	Orange County Water Association membership renewal for Director Hinman	60.00
	Total	\$ 1,652.43

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

<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
Core Disbursements:				
131917	2/12/16	NWRI 2016	NWRI/OCWD Children's Water Ed Festival 2016 Children's Water Education Festival sponsorship ***Total ***	2,500.00 2,500.00
132160	2/17/16	USTREA 012716	United States Treasury Money Purchase Pension Plan determination letter application fee ***Total ***	2,500.00 2,500.00
132161	2/17/16	USTREA 012716A	United States Treasury IRS Voluntary correction program fee ***Total ***	750.00 750.00
132688	2/29/16	COOKHU 010716	Hunter T. Cook November 2015-January 2016 Coastal retiree health ***Total ***	1,419.84 1,419.84
Total Core Disbursements				<u>7,169.84</u>
Choice Disbursements:				
Total Choice Disbursements				<u>0.00</u>
Other Funds Disbursements:				
Total Other Funds Disbursements				<u>0.00</u>
Total Disbursements				<u><u>7,169.84</u></u>


 Robert J. Hunter, General Manager


 Hilary Chumpitazi, Treasurer

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



Municipal Water District of Orange County
Consolidated Summary of Cash and Investment
 January 31, 2016

Street Address:

18700 Ward Street
 Fountain Valley, California 92708

Mailing Address:

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

(714) 963-3058

Fax: (714) 964-9389

www.mwdoc.com

Wayne S. Osborne
President

Brett R. Barbre
Vice President

Larry D. Dick
Director

Joan C. Finnegan
Director

Susan Hinman
Director

Sat Tamaribuchi
Director

Jeffery M. Thomas
Director

Robert J. Hunter
General Manager

MEMBER AGENCIES

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

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

Fund	Book Value	% of Portfolio
Designated Reserves		
General Operations	\$2,494,603	25.72%
Grant & Project Cash Flow	1,480,000	15.26%
Election Expense	215,463	2.22%
Building Repair	500,407	5.16%
Total Designated Reserves	4,690,473	48.36%
General Fund	6,141,090	63.30%
Water Fund	2,420,046	24.95%
Conservation Fund	(3,901,536)	(40.22%)
Desalination Feasibility Study Fund	222,385	2.29%
WEROC Fund	119,776	1.23%
Trustee Activities	8,631	0.09%
Total	\$9,700,865	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	1.14%	\$110,212	\$110,212
Short-term investment			
• LAIF	1.62%	\$157,381	\$157,381
• OCIP	65.25%	6,329,825	6,329,825
Long-term investment			
• Misc. Securities	7.77%	753,447	746,900
• Certificates of Deposit	24.22%	2,350,000	2,357,255
Total	100.00%	\$9,700,865	\$9,701,573

The average number of days to maturity/call as of January 31, 2016 equaled 340 and the average yield to maturity is 0.985%. During the month, the District's average daily balance was \$15,050,100.25. 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 January 2016.

The \$708 difference between the book value and the market value on January 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



Portfolio Management - Portfolio Summary January 31, 2016

1/31/2016	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Certificates of Deposit - Bank	2,350,000.00	2,357,255.25	2,350,000.00	24.51	895	1.697
Local Agency Investment Funds	157,381.35	157,381.35	157,381.35	1.64	1	0.446
Miscellaneous Securities - Coupon	750,000.00	746,900.00	753,446.67	7.82	1539	2.238
Orange County Investment Pool	6,329,825.42	6,329,825.42	6,329,825.42	66.02	1	0.586
Total Investments	9,587,206.77	9,591,362.02	9,590,653.44	100.00%	340	0.985
Cash						
Passbook Checking	110,211.65	110,211.65	110,211.65		1	0.00
Total Cash and Investments	9,697,418.42	9,701,573.67	9,700,865.09		340	0.985

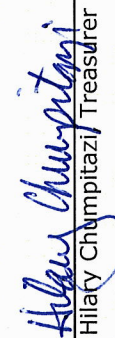
Total Earnings	Month Ending January	Fiscal Year to Date
Current Year	10,305.65	71,888.56
Average Daily Balance	15,050,100.25	
Effective Rate of Return	0.985%	

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

Date

3-3-16


Hilary Chumtipitani, Treasurer

Date

3/3/16

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

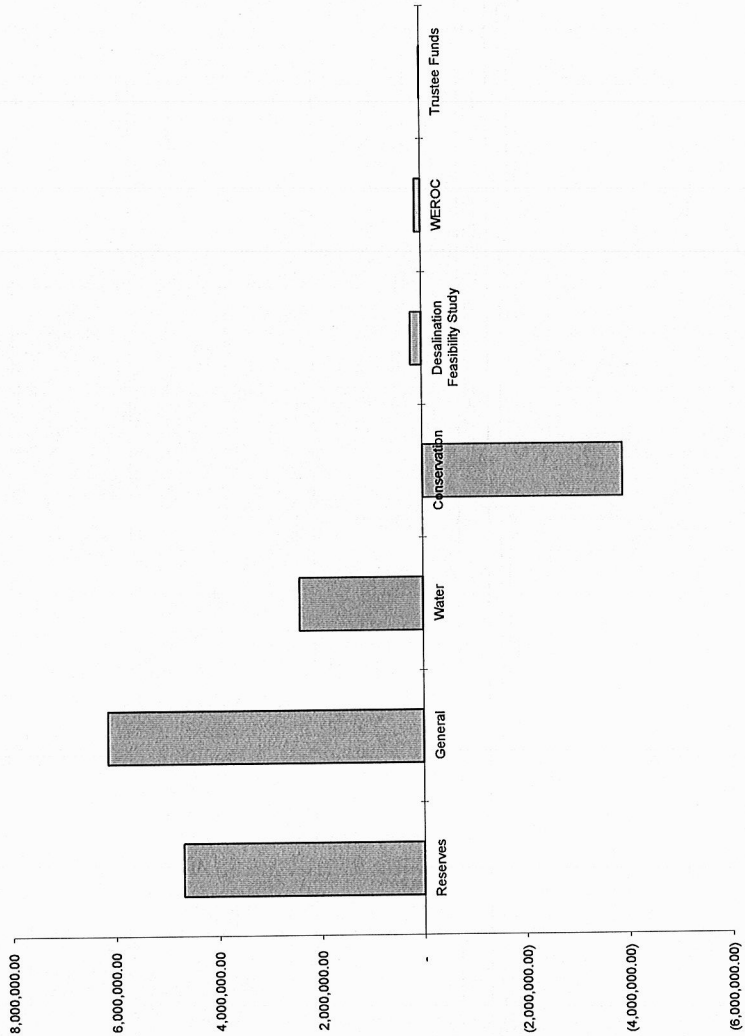
Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Certificate of Deposit - Bank									
Ally Bank	02006LFV0	7/23/2014	250,000.00	250,065.00	250,000.00	1.150	1.150	540	7/24/2017
American Express Bank	02587CEA4	7/29/2015	250,000.00	250,730.00	250,000.00	1.450	1.450	729	1/29/2018
Barclays Bank	06740KJP3	9/24/2015	250,000.00	251,620.00	250,000.00	1.900	1.900	1331	9/23/2019
Capital One Bank	140420TY6	8/5/2015	250,000.00	250,515.00	250,000.00	1.700	1.700	918	8/6/2018
Capital One Natl Assn	14042E6C9	9/2/2015	250,000.00	252,172.50	250,000.00	1.950	1.950	1311	9/3/2019
Discover Bank	2546712Y5	7/23/2014	250,000.00	250,407.50	250,000.00	1.600	1.600	904	7/23/2018
GE Capital Bank	36163FJC8	7/25/2014	250,000.00	250,060.00	250,000.00	1.200	1.200	541	7/25/2017
Goldman Sachs Bank	38143A4T9	1/23/2013	100,000.00	100,195.00	100,000.00	1.050	1.050	358	1/23/2017
HSBC Bank USA NA	40434AKG5	1/21/2016	250,000.00	249,360.25	250,000.00	1.550	2.534	721	1/21/2021
Synchrony Bank	87164XBY1	7/25/2014	250,000.00	252,130.00	250,000.00	2.050	2.050	1276	7/30/2019
Sub Total			2,350,000.00	2,357,255.25	2,350,000.00	1.593	1.697	895	
Miscellaneous Securities - Coupon									
JPMorgan Chase	46625HKA7	11/2/2015	500,000.00	495,900.00	501,850.39	2.250	2.152	1422	1/23/2020
Wells Fargo	94974BGR5	1/13/2016	250,000.00	251,000.00	251,596.28	2.550	2.409	1772	12/7/2020
Sub Total			750,000.00	746,900.00	753,446.67	2.350	2.238	1539	
Total Investments			3,100,000.00	3,104,155.25	3,103,446.67	1.776	1.828	1051	
Total Earnings									
Current Year			5,765.06		34,201.46				

January 31, 2016

Investments	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Local Agency Investment Funds									
LAIF LGIP	LAIF	6/30/2010	157,381.35	157,381.35	157,381.35	0.446	0.446	1	N/A
Sub Total			157,381.35	157,381.35	157,381.35	0.446	0.446	1	
Orange County Investment Pool									
County of Orange LGIP	OCIP	6/29/2005	6,329,825.42	6,329,825.42	6,329,825.42	0.586	0.586	1	N/A
Sub Total			6,329,825.42	6,329,825.42	6,329,825.42	0.586	0.586	1	
Total Investments			6,487,206.77	6,487,206.77	6,487,206.77	0.583	0.583		
Passbook Checking									
Bank of America Cash	CASH0547	7/1/2011	109,711.65	109,711.65	109,711.65	0.000	0.000	1	N/A
Petty Cash Cash	CASH	7/1/2011	500.00	500.00	500.00	0.000	0.000	1	N/A
Total Cash			110,211.65	110,211.65	110,211.65	0.000	0.000	1	
Total Cash and Investments			6,597,418.42	6,597,418.42	6,597,418.42	0.583	0.583	1	
Total Earnings		Month Ending January			Fiscal Year To Date				
Current Year			4,540.59		37,687.10				

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

ALLOCATION	AMOUNT	%	
MWDOC			
Designated Reserves			
General	\$ 2,494,603	25.72%	
Grant & Project Cash Flow	1,480,000	15.26%	
Election Expense	215,463	2.22%	
Building Repair	500,407	5.16%	
Total Designated Reserves	4,690,473	48.36%	
General	6,141,090	63.30%	
Water	2,420,046	24.95%	
Conservation	(3,901,536)	-40.22%	
Desalination Feasibility Study	222,385	2.29%	
WEROC	119,776	1.23%	
TOTAL MWDOC	\$ 9,692,234	99.91%	
TRUSTEE ACTIVITIES			
AMP Sales Admin	\$ 8,631	0.09%	
TOTAL TRUSTEE ACTIVITIES	\$ 8,631	0.09%	
TOTAL CASH & INVESTMENTS	\$ 9,700,865	100.00%	



**Municipal Water Dist of Orange County
PARS OPEB Trust Program****Monthly Account Report for the Period
1/01/2016 to 1/31/2016**

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

Account Summary

Source	Beginning Balance as of 1/01/2016	Contributions	Earnings	Expenses*	Distributions	Transfers	Ending Balance as of 1/31/2016
Contributions	\$1,258,003.34	\$0.00	(\$38,300.66)	\$600.00	\$0.00	\$0.00	\$1,219,102.68
Totals	\$1,258,003.34	\$0.00	(\$38,300.66)	\$600.00	\$0.00	\$0.00	\$1,219,102.68

Investment Selection

Moderate HighMark PLUS

Investment Objective

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

Investment Return

Annualized Return						Plan's Inception Date
1-Month	3-Month	1-Year	3-Years	5-Years	10-Years	
-3.05%	-4.52%	-2.87%	4.19%	-	-	10/26/2011

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

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

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

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

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

	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016	Jun 2016	TOTALS
Cash - Beginning Balance	\$ (4,366,336.14)	\$ (4,150,715.21)	\$ (866,085.23)	\$ (2,898,017.49)	\$ (3,394,231.09)	\$ (3,796,564.33)	\$ (4,010,296.92)	\$ (3,901,536.01)	\$ (5,174,931.54)	\$ (5,174,931.54)	\$ (5,174,931.54)	\$ (5,174,931.54)	\$
REVENUES:													
BUREC					496,524.08	15,352.67	51,543.38						\$ 563,420.13
City of Brea	6,999.33	1,934.35	389.42	247.74	1,105.75	248.13	1,120.00						12,044.72
City of Buena Park	1,212.97	1,886.23	846.00	2,716.00	2,271.97	636.13	1,508.00	1,552.00					12,629.30
City of Fountain Valley		150.00			150.00		75.00						375.00
City of Fullerton		225.00		150.00	67.75		70.92	75.00					588.67
City of Garden Grove	1,995.00	1,650.00	2,914.00	4,224.00	2,770.81	3,431.78	2,794.20						19,779.79
City of Huntington Beach		325.66	294.00	211.54		234.98							1,066.18
City of La Habra	1,050.00	599.53	2,451.89	582.00	1,067.00	735.00	194.00	754.00					7,433.42
City of San Clemente	4,925.18		9,588.07	5,141.99	3,911.00	2,499.51	6,579.02						37,988.02
City of San Juan Capistrano	3,344.86	2,142.95	150.00	11,481.16	2,063.23	1,680.00	1,978.22	3,408.69					26,099.11
City of Santa Ana		75.00		75.00			12,815.67						300.00
City of Tustin		246.86		300.00		75.00							13,437.53
City of Newport Beach		840.00	3,264.97	4,096.04		6,460.59		1,703.38					16,364.98
City of Orange	4,297.93		14,879.13	5,622.50	6,713.19	3,417.89	4,721.79	5,029.60					44,682.03
City of Westminster			75.00			75.00							150.00
County of Orange													
Department of Water Resources		649,130.64	1,824.70		1,568.28		4,226.25	883.53					657,633.40
East Orange County Water District													
El Toro Water District		5,676.22	2,016.61	1,328.86	550.00	129.00	275.00	100.00					12,708.69
East Orange County Water District													
Golden State Water Company	6,555.20	6,985.72	12,246.61	9,373.88	7,563.09	4,890.00	9,821.40	5,668.48					63,104.38
Irvine Ranch Water District	116,113.61	30,550.23	43,139.41	45,081.83	4,525.99	8,131.72	201,755.82	7,806.55					457,105.16
Laguna Beach County Water District	1,840.00	16,506.86	1,259.00	2,257.00	713.99	210.00	10,556.64	8,893.00					42,226.49
Mesa Water District		75.00	150.00				756.24	75.00					1,056.24
Metropolitan Water District	194,847.61	4,001,136.01	434,924.75	1,369,139.07	1,308,972.63	936,576.61	1,897,669.39	1,235,308.13					11,378,574.20
Moulton Niguel Water District	358,285.60	244,320.71	3,654.58	152,561.75	122,311.65	246,642.32	271,346.48	142,248.71					1,541,371.80
MWD/OC													
Santa Margarita Water District		1,035.00	458.43	1,482.03	525.00	2,955.00	4,271.43	4,293.55					15,020.44
Serrano Water District		75.00		75.00		19.96	150.00						319.96
South Coast Water District				225.00			150.00						375.00
Trabuco Canyon Water District	800.00	1,072.37	300.00	1,175.00	406.25	1,431.73	825.00	591.00					6,601.35
Yorba Linda Water District	80.66		517.75	437.46		856.39	1,066.93	300.00					3,259.19
Miscellaneous Revenues													
Miscellaneous							2,054.75						2,054.75
Interest Revenue													
Total Revenues	704,980.95	4,966,639.34	535,344.32	1,617,984.85	1,963,781.66	1,228,487.10	2,493,377.87	1,428,603.84	-	-	-	-	\$ 14,937,179.93
EXPENDITURES:													
Aqueduct	1,500.00	1,500.00	1,500.00	1,800.00	1,800.00	1,800.00		1,800.00					\$ 11,700.00
Autumn Print Group				207.36									207.36
Awards & Trophies					28.74								28.74
Conservation Consulting, LLC	7,645.50	7,899.75	7,452.00	7,509.25	7,501.50	7,173.00	6,620.00						51,800.00
City of Newport Beach													
City of Newport	29,501.27							62,993.38					91,494.65
Enterprise Information Systems		2,160.00					13,012.50						2,160.00
Eco Landscape													31,981.80
Golden State Water Company	31,300.00				11,141.80	7,827.50							31,300.00
Hotel Program					150,160.05	11,539.17							11,539.17
Industrial Program													150,160.05
Irvine Ranch Water District													
Karen's Detail Custom Frames		48.60											48.60
Laguna Beach CWD	26,036.00							4,500.00					30,536.00
Metropolitan Water District													
MESA													
Mission RCD	30,478.31	32,650.22	47,850.46	41,311.01	37,048.67	36,017.86	28,966.82	30,035.04					284,358.39
Public Spaces program			251,845.00	55,939.00	168,760.00								476,544.00
Santa Margarita Water District	10,813.50												10,813.50
South Coast Water District	90,048.00												90,048.00
Spray to Drip program	1,557.61		27,688.12	15,622.66	5,552.86	12,246.77	10,348.30	47,354.68					120,371.00
Survey Gismo				675.00									675.00
Turf Removal	253,213.58	1,639,959.39	2,212,359.63	1,988,139.02	1,984,121.28	1,363,595.39	2,316,379.63	2,555,229.11					14,314,997.03
US Bank								87.16					87.16
UPS													
Waterwise Consulting													
Miscellaneous Expenses													
Interest Expense	3,817.57			2,996.15			4,709.96						11,523.68
Salary & Benefit	4,448.68		16,372.77				2,579.75						23,401.20
Total Expenditures	489,380.02	1,682,009.36	2,567,276.58	2,114,198.45	2,386,114.80	1,440,199.69	2,384,616.96	2,701,999.37	-	-	-	-	\$ 15,745,775.33
Cash - Ending Balance	\$ (4,150,715.21)	\$ (866,085.23)	\$ (2,898,017.49)	\$ (3,394,231.09)	\$ (3,796,564.33)	\$ (4,010,296.92)	\$ (3,901,536.01)	\$ (5,174,931.54)	\$ (5,174,931.54)	\$ (5,174,931.54)	\$ (5,174,931.54)	\$ (5,174,931.54)	\$

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
COMBINED FINANCIAL STATEMENTS
AND
BUDGET COMPARATIVE
JULY 1, 2015 THRU JANUARY 31, 2016

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

<u>ASSETS</u>	Amount
Cash in Bank	110,211.65
Investments	9,590,653.44
Accounts Receivable	18,792,060.03
Accounts Receivable - Other	2,130,276.38
Accrued Interest Receivable	12,778.71
Prepays/Deposits	520,407.57
Leasehold Improvements	3,026,974.08
Furniture, Fixtures & Equipment	436,910.44
Less: Accum Depreciation	(2,541,644.13)
Net OPEB Asset	92,806.00
	<hr/>
TOTAL ASSETS	\$32,171,434.17
	<hr/>
<u>LIABILITIES AND FUND BALANCES</u>	
Liabilities	
Accounts Payable	15,744,236.13
Accounts Payable - Other	1,381.69
Accrued Salaries and Benefits Payable	350,343.26
Other Liabilities	2,797,945.41
Unearned Revenue	2,302,261.15
Total Liabilities	<hr/> 21,196,167.64 <hr/>
Fund Balances	
Restricted Fund Balances	
Water Fund - T2C	959,600.39
Total Restricted Fund Balances	<hr/> 959,600.39 <hr/>
Unrestricted Fund Balances	
Designated Reserves	
General Operations	2,587,408.51
Grant & Project Cash Flow	1,480,000.00
Election Expense	215,463.03
Building Repair	500,407.45
Total Designated Reserves	<hr/> 4,783,278.99 <hr/>
GENERAL FUND	1,307,553.79
WEROC	83,059.22
Total Unrestricted Fund Balances	<hr/> 6,173,892.00 <hr/>
Excess Revenue over Expenditures	
Operating Fund	4,345,978.95
Other Funds	(504,204.81)
Total Fund Balance	<hr/> 10,975,266.53 <hr/>
TOTAL LIABILITIES AND FUND BALANCES	\$32,171,434.17
	<hr/>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July 2015 thru January 2016

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>REVENUES</u>						
Retail Connection Charge	<u>0.00</u>	<u>6,686,659.70</u>	<u>6,687,322.00</u>	<u>99.99%</u>	<u>0.00</u>	<u>662.30</u>
Water rate revenues	0.00	6,686,659.70	6,687,322.00	99.99%	0.00	662.30
Interest Revenue	<u>11,689.57</u>	<u>78,711.15</u>	<u>117,675.00</u>	<u>66.89%</u>	<u>0.00</u>	<u>38,963.85</u>
Subtotal	<u>11,689.57</u>	<u>6,765,370.85</u>	<u>6,804,997.00</u>	<u>99.42%</u>	<u>0.00</u>	<u>39,626.15</u>
Choice Programs	0.00	1,340,182.62	1,302,619.00	102.88%	0.00	(37,563.62)
Choice Prior Year Carry Over	0.00	0.00	243,338.00	0.00%	0.00	243,338.00
Miscellaneous Income	0.00	136,338.46	3,000.00	4544.62%	0.00	(133,338.46)
School Contracts	13,714.90	45,170.60	70,000.00	64.53%	0.00	24,829.40
Delinquent Payment Penalty	0.00	173.98	0.00	0.00%	0.00	(173.98)
Gain on Sale of Investments	13.72	13.72	0.00	0.00%	0.00	(13.72)
Transfer-Out To Reserve	<u>0.00</u>	<u>0.00</u>	<u>(64,424.00)</u>	<u>0.00%</u>	<u>0.00</u>	<u>(64,424.00)</u>
Subtotal	<u>13,728.62</u>	<u>1,521,879.38</u>	<u>1,554,533.00</u>	<u>97.90%</u>	<u>0.00</u>	<u>32,653.62</u>
TOTAL REVENUES	<u>25,418.19</u>	<u>8,287,250.23</u>	<u>8,359,530.00</u>	<u>99.14%</u>	<u>0.00</u>	<u>72,279.77</u>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July 2015 thru January 2016

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>EXPENSES</u>						
Salaries & Wages	239,111.30	1,713,030.88	3,309,949.00	51.75%	0.00	1,596,918.12
Salaries & Wages - Grant Recovery	0.00	(18,618.66)	(23,500.00)	79.23%	0.00	(4,881.34)
Directors' Compensation	18,587.22	106,840.42	220,588.00	48.43%	0.00	113,747.58
MWD Representation	10,236.44	67,190.54	126,050.00	53.30%	0.00	58,859.46
Employee Benefits	79,235.89	468,739.34	863,069.00	54.31%	0.00	394,329.66
OPEB Annual Contribution	0.00	0.00	105,188.00	0.00%	0.00	105,188.00
Employee Benefits - Grant Recovery	0.00	(4,782.54)	0.00	0.00%	0.00	4,782.54
Director's Benefits	6,161.26	37,203.99	60,024.00	61.98%	0.00	22,820.01
Health Ins \$'s for Retirees	6,276.27	33,473.49	50,387.00	66.43%	0.00	16,913.51
Training Expense	0.00	1,844.68	18,000.00	10.25%	0.00	16,155.32
Tuition Reimbursement	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
Temporary Help Expense	0.00	1,259.54	0.00	0.00%	0.00	(1,259.54)
Personnel Expenses	359,608.38	2,406,181.68	4,734,755.00	50.82%	0.00	2,328,573.32
Engineering Expense	13,823.50	191,931.23	300,000.00	63.98%	120,016.71	(11,947.94)
Legal Expense	5,550.99	97,783.65	355,000.00	27.54%	274,216.35	(17,000.00)
Audit Expense	0.00	20,600.00	23,000.00	89.57%	0.00	2,400.00
Professional Services	163,715.69	680,466.86	1,541,837.00	44.13%	509,859.70	351,510.44
Professional Fees	183,090.18	990,781.74	2,219,837.00	44.63%	904,092.76	324,962.50
Conference-Staff	2,272.64	8,569.42	19,450.00	44.06%	0.00	10,880.58
Conference-Directors	1,031.00	6,016.00	9,800.00	61.39%	0.00	3,784.00
Travel & Accom.-Staff	1,302.85	17,788.65	56,510.00	31.48%	0.00	38,721.35
Travel & Accom.-Directors	1,549.55	9,488.89	27,600.00	34.38%	0.00	18,111.11
Travel & Conference	6,156.04	41,862.96	113,360.00	36.93%	0.00	71,497.04
Membership/Sponsorship	10,093.84	94,979.04	103,961.00	91.36%	0.00	8,981.96
CDR Support	9,934.88	29,804.64	39,740.00	75.00%	9,934.86	0.50
Dues & Memberships	20,028.72	124,783.68	143,701.00	86.84%	9,934.86	8,982.46
Business Expense	280.95	2,977.68	6,800.00	43.79%	0.00	3,822.32
Maintenance Office	7,138.42	52,477.33	126,670.00	41.43%	57,250.30	16,942.37
Building Repair & Maintenance	619.05	5,712.26	11,000.00	51.93%	5,287.74	0.00
Storage Rental & Equipment Lease	956.31	6,979.17	19,000.00	36.73%	11,020.83	1,000.00
Office Supplies	2,888.68	19,751.85	29,400.00	67.18%	1,343.17	8,304.98
Postage/Mail Delivery	2,360.72	8,059.08	11,285.00	71.41%	1,853.14	1,372.78
Subscriptions & Books	0.00	185.82	2,060.00	9.02%	0.00	1,874.18
Reproduction Expense	0.00	1,305.22	70,010.00	1.86%	37.30	68,667.48
Maintenance-Computers	0.00	4,205.03	7,100.00	59.23%	2,137.16	757.81
Software Purchase	0.00	5,477.51	18,500.00	29.61%	659.00	12,363.49
Software Support	1,300.78	21,677.60	34,000.00	63.76%	0.00	12,322.40
Computers and Equipment	0.00	15,630.65	21,150.00	73.90%	0.00	5,519.35
Automotive Expense	861.90	8,678.72	13,500.00	64.29%	0.00	4,821.28
Toll Road Charges	71.80	360.67	1,275.00	28.29%	0.00	914.33
Insurance Expense	8,373.30	57,136.15	96,000.00	59.52%	0.00	38,863.85
Utilities - Telephone	1,554.60	10,706.43	15,650.00	68.41%	0.00	4,943.57
Bank Fees	959.18	5,862.21	17,900.00	32.75%	0.00	12,037.79
Miscellaneous Expense	4,989.29	34,173.47	98,770.00	34.60%	0.00	64,596.53
MWDOC's Contrb. To WEROC	11,817.25	82,720.75	141,807.00	58.33%	0.00	59,086.25
Depreciation Expense	1,000.34	7,002.47	0.00	0.00%	0.00	(7,002.47)
Other Expenses	45,172.57	351,080.07	741,877.00	47.32%	79,588.64	311,208.29
MWDOC's Building Expense	0.00	22,224.55	400,000.00	5.56%	2,975.00	374,800.45
Capital Acquisition	0.00	4,356.60	6,000.00	72.61%	0.00	1,643.40
TOTAL EXPENSES	614,055.89	3,941,271.28	8,359,530.00	47.15%	996,591.26	3,421,667.46
NET INCOME (LOSS)	(588,637.70)	4,345,978.95	0.00			

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
Water Fund
From July 2015 thru January 2016

	Month to Date	Year to Date	Annual Budget	% Used	Budget Remaining
<u>WATER REVENUES</u>					
Water Sales	5,719,934.20	70,098,153.80	139,025,078.00	50.42%	68,926,924.20
Readiness to Serve Charge	1,056,174.45	7,658,788.95	13,214,277.00	57.96%	5,555,488.05
Capacity Charge CCF	402,482.50	2,614,712.50	4,424,460.00	59.10%	1,809,747.50
SCP Surcharge	9,493.70	136,148.86	380,000.00	35.83%	243,851.14
Interest	405.88	2,650.00	2,900.00	91.38%	250.00
TOTAL WATER REVENUES	7,188,490.73	80,510,454.11	157,046,715.00	51.27%	76,536,260.89
<u>WATER PURCHASES</u>					
Water Sales	5,719,934.20	70,098,153.80	139,025,078.00	50.42%	68,926,924.20
Readiness to Serve Charge	1,056,174.45	7,658,788.95	13,214,277.00	57.96%	5,555,488.05
Capacity Charge CCF	402,482.50	2,614,712.50	4,424,460.00	59.10%	1,809,747.50
SCP Surcharge	9,493.70	136,148.86	380,000.00	35.83%	243,851.14
TOTAL WATER PURCHASES	7,188,084.85	80,507,804.11	157,043,815.00	51.26%	76,536,010.89
EXCESS OF REVENUE OVER EXPENDITURES	405.88	2,650.00	2,900.00		

Municipal Water District of Orange County
WUE Revenues and Expenditures (Actuals vs Budget)
From July 2015 thru January 2016

	Year to Date Actual	Annual Budget	% Used
Landscape Performance Certification			
Revenues	32,939.89	118,900.00	27.70%
Expenses	<u>50,875.00</u>	<u>118,900.00</u>	42.79%
Excess of Revenues over Expenditures	(17,935.11)	0.00	
Industrial Water Use Reduction			
Revenues	150,208.65	91,236.00	164.64%
Expenses	<u>150,237.39</u>	<u>91,236.00</u>	164.67%
Excess of Revenues over Expenditures	(28.74)	0.00	
Spray To Drip Conversion			
Revenues	109,487.58	57,109.58	191.71%
Expenses	<u>73,836.26</u>	<u>57,109.58</u>	129.29%
Excess of Revenues over Expenditures	35,651.32	0.00	
Water Smart Landscape for Public Property			
Revenues	0.00	137,871.04	0.00%
Expenses	<u>476,647.68</u>	<u>137,871.04</u>	345.72%
Excess of Revenues over Expenditures	(476,647.68)	0.00	
Member Agency Administered Passthru			
Revenues	67,493.38	627,000.00	10.76%
Expenses	<u>67,493.38</u>	<u>627,000.00</u>	10.76%
Excess of Revenues over Expenditures	0.00	0.00	
ULFT Rebate Program			
Revenues	268,506.49	658,000.00	40.81%
Expenses	<u>288,968.50</u>	<u>658,000.00</u>	43.92%
Excess of Revenues over Expenditures	(20,462.01)	0.00	
HECW Rebate Program			
Revenues	237,073.51	696,000.00	34.06%
Expenses	<u>243,483.71</u>	<u>696,000.00</u>	34.98%
Excess of Revenues over Expenditures	(6,410.20)	0.00	
CII Rebate Program			
Revenues	122,000.00	509,000.00	23.97%
Expenses	<u>64,801.00</u>	<u>509,000.00</u>	12.73%
Excess of Revenues over Expenditures	57,199.00	0.00	
Large Landscape Survey			
Revenues	16,632.77	85,000.00	19.57%
Expenses	<u>13,142.00</u>	<u>85,000.00</u>	15.46%
Excess of Revenues over Expenditures	3,490.77	0.00	
Indoor-Outdoor Survey			
Revenues	4,905.63	6,800.00	72.14%
Expenses	<u>5.71</u>	<u>6,800.00</u>	0.08%
Excess of Revenues over Expenditures	4,899.92	0.00	
Turf Removal Program			
Revenues	11,944,451.27	19,075,000.00	62.62%
Expenses	<u>12,007,506.29</u>	<u>19,075,000.00</u>	62.95%
Excess of Revenues over Expenditures	(63,055.02)	0.00	

Municipal Water District of Orange County
WUE & Other Funds Revenues and Expenditures (Actuals vs Budget)
From July 2015 thru January 2016

	Year to Date Actual	Annual Budget	% Used
Comprehensive Landscape (CLWUE)			
Revenues	17,451.63	281,926.00	6.19%
Expenses	30,751.30	281,926.00	10.91%
Excess of Revenues over Expenditures	(13,299.67)	0.00	
Home Certification and Rebate			
Revenues	221,922.66	210,205.00	105.57%
Expenses	128,690.69	210,205.00	61.22%
Excess of Revenues over Expenditures	93,231.97	0.00	
CII, Large Landscape, Performance (OWOW)			
Revenues	11,624.03	138,725.00	8.38%
Expenses	91,045.98	138,725.00	65.63%
Excess of Revenues over Expenditures	(79,421.95)	0.00	
CA Sprinkler Adjustment Subscription System			
Revenues	5,091.85	34,432.50	14.79%
Expenses	32,068.96	34,432.50	93.14%
Excess of Revenues over Expenditures	(26,977.11)	0.00	
Rotating Nozzle			
Revenues	929.57	39,000.00	2.38%
Expenses	18,594.41	39,000.00	47.68%
Excess of Revenues over Expenditures	(17,664.84)	0.00	
WUE Projects			
Revenues	13,210,718.91	22,766,205.12	58.03%
Expenses	13,738,148.26	22,766,205.12	60.34%
Excess of Revenues over Expenditures	(527,429.35)	0.00	
WEROC			
Revenues	229,988.40	283,614.00	81.09%
Expenses	169,480.19	278,613.00	60.83%
Excess of Revenues over Expenditures	60,508.21	5,001.00	
RPOI Distributions			
Revenues	0.00	4,823.00	0.00%
Expenses	0.00	4,823.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	

GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES MARCH 2016

Managers' Meeting	<p>MWDOC held its Managers' meeting on February 18 at the City of Santa Ana, Public Works' Office. In attendance were Marc Marcantonio and Steve Conklin (YLWD); David Youngblood (LBCWD); Howard Johnson (Brady); Scott Miller (Westminster); David Spitz (Seal Beach); Brian Ragland (Huntington Beach); Dan Ferons (SMWD); Eva Plajzer (MNWD); Art Valenzuela (Tustin); Jose Diaz (Orange); Matt Collings (MNWD); Oliver Pacifico (SWRCB); Tom McCarthy (Anaheim); Phil Lauri (Mesa Water); Ken Vecchiarelli and Stan Yarbrough (GSWC); Paul Cook, Paul Weghorst and Fiona Sanchez (IRWD); Hector Ruiz (TCWD); Brian Korcok (Fullerton); Bob Hill (ETWD); Mike Markus and John Kennedy (OCWD); and Karl Seckel, Harvey De La Torre, Kevin Hostert; Keith Lyon; Melissa Baum-Haley; Richard Bell and myself of staff.</p> <p>The agenda included the following:</p> <ol style="list-style-type: none"> 1. Outcome of the South County Meeting 2. Opposition to AB 1713 3. MET Rates 4. MWDOC's 2016-17 Budget Preparation 5. MWDOC Rate Study Update 6. Water Loss Control Update 7. Drought Allocations and Water Usage Tracking <p>The next meeting is scheduled for March 17.</p>
O.C. Water Reliability Study Workgroup	<p>Then the Managers' Workgroup on the O.C. Water Reliability Study took place to discuss future options for MET's IRP to better understand both the future MET rates and the reliability of water supplies to the MET member agencies under these options. A key aspect was an examination of project investment options by either MET or the MET member agencies that could be made. MET's IRP assumed the projects that were under construction would come to fruition, but did not specifically analyze or count other projects towards increasing local supplies by either MET or MET member agencies. Our analysis of these projects falls into the categories of:</p>

O.C. Water Reliability Study Workgroup (Continued)	<p>1. Most Likely - this is a category we created to reflect the certainty that these projects will move forward based on our understanding of the political will of the sponsoring entities and/or the knowledge of our Consultant. The projects and project yields we included were:</p> <table border="0"> <tr> <td>▪ LADWP GWR</td><td>30,000</td></tr> <tr> <td>▪ San Diego Pure Water</td><td>33,000</td></tr> <tr> <td>▪ Upper District IPR</td><td>10,000</td></tr> <tr> <td>▪ Eastern MWD IPR</td><td><u>15,000</u></td></tr> <tr> <td>▪ Total =</td><td>88,000</td></tr> </table> <p>The remaining categories came from MET's IRP; we took a declining portion of these project yields to use in our analysis, based on how much planning/engineering work had been completed. We used these factors:</p> <table border="0"> <tr> <td>2. Full Design with Funds</td><td>90%</td></tr> <tr> <td>3. Advanced Planning w/ Environmental</td><td>75%</td></tr> <tr> <td>4. Feasibility (more certain)</td><td>50%</td></tr> <tr> <td>5. Conceptual (less certain)</td><td>30%</td></tr> </table> <p>We also added potential new projects by MET:</p> <ul style="list-style-type: none"> • Carson IRP • Additional CRA following • Additional Central Valley Transfers • Regional Ocean Desalination • California Water Fix <p>Between the MET projects and the MET Member agency projects, we identified three paths to full reliability by 2040:</p> <p>(1) Transfers, Carson IPR and significant MET member agency projects (2) Transfers, Carson IRP and MET Regional desal (3) Transfers, Carson IPR and CalFix</p> <p>We will further use these MET Portfolio options to examine the impact on OC Reliability and also add OC projects that might be needed. The next meeting of the Reliability Workgroup is April 14.</p>	▪ LADWP GWR	30,000	▪ San Diego Pure Water	33,000	▪ Upper District IPR	10,000	▪ Eastern MWD IPR	<u>15,000</u>	▪ Total =	88,000	2. Full Design with Funds	90%	3. Advanced Planning w/ Environmental	75%	4. Feasibility (more certain)	50%	5. Conceptual (less certain)	30%
▪ LADWP GWR	30,000																		
▪ San Diego Pure Water	33,000																		
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▪ Total =	88,000																		
2. Full Design with Funds	90%																		
3. Advanced Planning w/ Environmental	75%																		
4. Feasibility (more certain)	50%																		
5. Conceptual (less certain)	30%																		
ACWA Conference	<p>Heather and I attended ACWA's Washington, D.C. Conference February 23 to 25. We heard presentations from Andy Fecko from Placer County Water Agency, Senator Dianne Feinstein spoke extensively on her reintroduced drought bill, and Esteven Lopez from the Bureau of Reclamation. The afternoon session brought in speakers such as: Majority Leader Kevin McCarthy, Congressmen Calvert, LaMalfa, Huffman, Garamendi, McClintock, Costa, and Ruiz.</p>																		

MET ITEMS CRITICAL TO ORANGE COUNTY

MET's Water Supply Conditions

DWR increased SWC's "Table A" Allocation from 15% to 30%

On March 1, the California Department of Water Resources (DWR) will conduct its third manual survey for the state's northern Sierra snowpack, which helps DWR assess the State Water Contractors (SWC) "Table A" deliveries for 2016. As of February 24, "Table A" Allocation are at 30%; which will provide MET with close to 600,000 AF for 2016. The SWC "Table A" Allocation doubled from 15% to 30% as a result of much improved precipitation and snowpack levels.

DWR officials said the "Table A" Allocation would have been higher had it not been for a critically dry February. In fact, precipitation during the first two weeks of February was virtually nonexistent throughout the state, keeping all of the key state reservoirs, except Lake Folsom, below their historical averages for late February. As of February 23, the statewide snowpack water equivalent is 93% of average for the date.

DWR Director Mark Cowin stated, "Today's increase, although good news, does not mean the drought is ending. After more than four dry years, we still have a critical water shortage. We need a lot more wet weather this winter to take the edge off drought. Using water carefully and sparingly is still the quickest, most effective way to stretch supplies."

Although Northern California is experiencing improved conditions, we are not seeing an increase in SWP Delta exports as compared to last year. In fact, it was reported that January exports were lower than last year mainly as a result of the very conservative fishery restrictions. The fishery regulatory agencies increased the Old and Middle river Restrictions (OMR) because of concerns over the turbidity and its potential of drawing the endangered Delta Smelt towards the Delta pumps. These OMR restrictions have a direct impact on what we can export from the Delta. For January, MET staff reported a total water loss to the ocean of 300,000 AF (combined for both CVP and SWP); and since 2007 (when the BiOp was revised), it is estimated 5.0 million AF has been lost to the ocean.

MET's Finance and Rate Issues	<p>MET held two Budget Board Workshops last month where MET staff presented an overview of the major expenditures and revenue requirements for the proposed Biennial Budget and Rates for FY 2016/17 and FY 2017/18. Along with the budget, MET staff provided an updated 10-year financial forecast that shows a gradual rate increase of 4% to 4.5% by the year 2026.</p> <p>MWDOC staff provided a detailed presentation on the status of MET's proposed biennial budget as well as a description of the major cost drivers in each cost element of MET's budget at the March MWDOC Board Workshop.</p>
Colorado River Issues	<p><u>Reclamation Approves 2016 Colorado River Operating Plan</u> On January 8, the Secretary of the Interior signed the Annual Operating Plan for the Colorado River Reservoirs for 2016, which governs the operations of Colorado River reservoirs and supplies for the upcoming year. For 2016, a Normal Condition was declared, which means that no surplus is available to MET, nor are any shortages imposed on the Lower Basin States. Contractors like MET have the ability to create and take delivery of Intentionally Created Surplus (ICS), or bank one state's water supplies with an agency in another state. At this point in the year, Metropolitan has not made any determinations as to whether it will store or take delivery of ICS, or exchange water from Nevada; those decisions will be made once the amount of water supply available to MET from the State Water Project is better known.</p> <p><u>MET and Bard Finalize Fallowing Agreements</u> Following Board authorization in January, staff from Bard Water District and MET finalized agreements to implement the pilot fallowing program in 2016. There are two sets of agreements; one between MET and the farmers that governs the terms of the fallowing conditions and payments, and one between MET and Bard Water District that outlines Bard's oversight role and administrative payments to Bard. With the agreements finalized, Bard will solicit interest in farmers to participate in the pilot fallowing program in 2016.</p> <p><u>Reclamation Forecasts Colorado River Shortage in 2018</u> For the first time since Reclamation began using its two year planning model, the 24-month operation model forecasts a shortage on the Colorado River within the two-year planning range. The study projects Lake Mead to fall below 1,075 feet on January 1, 2018, even with the assumption of average precipitation in the Colorado River Basin over</p>

Colorado River Issues (Continued)	the next two years. This study highlights the challenges facing the Colorado River: despite average streamflow, the reservoirs will continue to drop and, without intervention, water shortages will be common place in the Colorado River Basin. To help address the long-term challenges, the Colorado River Basin states continue to explore additional actions that can be taken to slow down or stop the decline in Lake Mead
Bay Delta/State Water Project Issues	<p><u>Bay Delta Conservation Plan/California WaterFix</u> As part of the revised regulatory approach for the California WaterFix, DWR and Reclamation are developing a Biological Assessment (BA) in compliance with the federal Endangered Species Act (ESA). The BA documents potential impacts from construction of the new water infrastructure and operations of the new facilities and existing water project facilities once the project becomes operational. Submittal of the BA begins formal consultation with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service under section 7 of the ESA and leads to the issuance of the Biological Opinion by both agencies. A working preliminary draft BA was posted to the California WaterFix website on January 15. This document represents a working draft that is still under development and subject to further refinements.</p> <p>As reported previously, the State Water Resources Control Board (SWRCB) set a public hearing date of April 7, 2016 to consider the petition requesting changes in the point of diversion for the State Water Project and Central Valley Project as part of the California WaterFix Project. A pre-hearing conference was held on January 28 and the hearing will begin on schedule on April 7, 2016.</p> <p><u>State Water Resources Control Board (SWRCB)</u> Metropolitan staff continues to coordinate with the State Water Contractors (SWC) to provide input to SWRCB Bay Delta Water Quality Control Plan efforts and enforcement actions related to SWRCB-issued curtailment notices. The SWC are actively involved in depositions pertaining to SWRCB enforcement actions against two in-Delta water users – Byron-Bethany and Westside Irrigation Districts. SWC filed a notice to appear in the defense phase of the enforcement action. SWC participation will be limited to issues relevant to the SWC stored water complaint.</p> <p>As reported previously, staff continues to work with SWC to meet with SWRCB staff regarding the SWC stored water complaint filed in June 2015. It appears that due to drought activities and SWRCB staff workload, they have not acted on the complaint to date. In the meantime, staff continues to refine technical analyses in support of the complaint.</p>

ENGINEERING & PLANNING

Baker Treatment Plant	<p>The flow metering at MET's Service Connections OC-33 and OC-33A were discussed when Karl and Kevin met with Rich Mori, Kevin Burton, Ken Pfister of IRWD. OC-33 and OC-33A are the service connections that feed the Baker Pipeline which conveys water to the new Baker Treatment Plant. IRWD's contractor has to complete the installation of a new Mag Meter at OC-33 to increase the overall capacity of the metering equipment. The discussions concerned the terms and conditions under the MET service connection agreements; and the timing for the installation of the NEW meter; operational issues between OC-33A metering from 1 to 4 cfs and OC-33 metering 10 to 75 cfs; the timing for bringing the plant on-line and requesting relief from MET for metering requirements until the plant comes on line. MWDOC has requested that IRWD be allowed to utilize the NEW Mag Meter at a lower flow rate that the manufacturer of the meter indicates is acceptable, but it does not comply with MET's administrative code; this would be a temporary request until such time as the plant becomes operational.</p> <p>Another meeting will be held in the near future on the invoicing of water through the plant. IRWD and MWDOC will work together to include the Baker Treatment Plant water on MWDOC water bills to the other agencies receiving water from the Baker Treatment Plant.</p>
Doheny Desalination Project	<p>South Coast Water District is continuing to pursue a 5 mgd ocean desalination project. MWDOC is working on the decommissioning and removal of the test facilities.</p> <p>The groundwater modeling work by Geoscience should be released in the near future as South Coast completes the work under its Foundational Action Program. Work is also underway to conduct a Science Advisory Panel.</p>
Poseidon Resources Ocean Desalination Project in Huntington Beach	<p>OCWD conducted an additional workshop on March 2 on the Poseidon Project to discuss with their Board the options for distributing the water. The Board had originally considered 8 options and had narrowed the field to 5 options. At the meeting, the Board considered the pros & cons for each option along with the costs. The staff recommendation to eliminate Options 1D & 4, and continue with options 2A, 2B & 3 was approved on a 7-0 vote.</p>

Poseidon Resources (Continued)	The Board requested additional information on how MET's Carson IPR project would fit in with other sources and to compare the costs to desal. Another request was made to talk to the Producers to find out which agencies would be interested in taking the desal water.
San Juan Basin Authority	Director Susan Hinman and Richard Bell attended the San Juan Basin Authority Meeting in March where a report was made on the San Juan Basin Project phasing and costs. A subsequent meeting will be held to review the information prior to the end of March. Work is underway to conduct a Science Advisory Panel on the work.
Retirement Events	Karl made presentations at retirement functions for Jim Biery of the City of Buena Park and Mary Anne Skorpanich from the County of Orange.
MET's IRP and Water Management Programs Presentation	Karl attended the OCWA Luncheon presentation by Deven Upadhyay where he discussed MET's IRP and water management programs aimed at keeping MET reliable. Deven indicated that MET is looking at ways of providing incentives to agencies that develop local projects in ways other than financial, such as committing more water to them during drought allocation situations.
RFPs – (1) MET Pipelines and (2) Permitting	Karl prepared two RFP's; one seeking consulting assistance with respect to MET pipelines to help with the evaluation of the EOCF#2 for conveying water from other sources. The second RFP is seeking consultants to prepare plans and specs and complete the permitting for decommissioning and removal of the test facilities from Doheny State Beach. Award of contracts will be brought to the P&O Committee in April.
OCWD Producers Meeting	A Water Quality update, Report about the March 2 Poseidon Desalination Board discussion; SWRCB Emergency Drought Regulations status; FY16/17 BPP & RA rate; and Prop 218 issues were discussed when Karl, Harvey, Keith, Kevin, Melissa and I attended the March Producers meeting. I provided an update regarding MWDOC's Rate Study.
San Juan Capistrano LRP for the Non-Domestic Water Project	The potential of an expansion of SJC's LRP eligible Non-Domestic Water Project was discussed when Keith and Melissa met with Eric Bauman and Mike Marquis from San Juan Capistrano. A meeting with MET will be scheduled to discuss whether or not the project could qualify in MET's LRP.
La Palma Potential Recycled Water Project	The potential of La Palma constructing water lines to deliver recycled water purchased from the City of Cerritos to serve irrigation demands in La Palma was discussed when Keith met with James Tsumura, Carlo Nafarrete, Doug Benash and Mike Belknap from La Palma,. La Palma will continue to pursue the project, and will submit an LRP application, if applicable.

Connection OC-35 Metering Issue	Metering issues related to connection OC-35 were discussed when Karl and Keith met with Jay Kleinheinz from Huntington Beach, Karl is working with MET staff related to metering issues for several meters within MWDOC.
WATER USE EFFICIENCY	
California Urban Water Conservation Council (CUWCC)	On February 16, Joe Berg chaired the Board Meeting of the CUWCC which was hosted by MWDOC. The meeting focused on general business and strategic planning for the future direction of the Council. The next meeting is scheduled for March 14 and will be hosted by the Center for Collaborative Policy at Sacramento State University.
MET's Water Use Efficiency Workgroup	<p>On February 18, Joe attended MET's Water Use Efficiency Workgroup meeting where about 30 member agency staff participated. Meeting topics included:</p> <ul style="list-style-type: none"> • Metropolitan Updates <ul style="list-style-type: none"> ○ February Board ○ W9s and 1099s ○ Public Records Act ○ Turf Wait List ○ Member Agency Conservation Data Automation • Sprinkler Nozzle Study • Attitude and Awareness Study • Member Agency Roundtable <p>The next meeting is scheduled for March 17, 2016 at MET.</p>
Orange County Water Loss Control Workgroup	On March 1, Joe chaired the Orange County Water Loss Control Workgroup Meeting here at MWDOC. The meeting was attended by 32 staff from 20 Orange County water agencies. The meeting included discussions on the technical assistance available to agencies, performance indicators and regional performance, a case study on the City of San Diego, and the development of a vision for the workgroup. The next meeting is scheduled for April 12, 2016 at MWDOC.
DWR Independent Technical Panel	On March 4, Joe attended the DWR Independent Technical Panel (ITP) meeting that was hosted by the San Diego County Water Authority. The ITP was formed by the Water Conservation Act of 2009 (AB 1420) and requires the development and submittal of water use efficiency recommendations to the legislature annually. The purpose of the meeting was to review and comment on the Panel's draft recommendations to be submitted to the Legislature this spring. The next meeting is scheduled for April 15 and 16, 2016.

Orange County Water Use Efficiency Coordinators Workgroup	<p>On March 3, Joe, Melissa Baum-Haley, Steve Hedges, Andrew Kanzler, Laura Loewen, and Beth Fahl attended the Orange County Water Use Efficiency Coordinators Workgroup Meeting. The meeting was held at MWDOC, and approximately 22 agencies participated. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates • Agency Roundtable/Problem Solving Roundtable <ul style="list-style-type: none"> ○ Agency Drought Response Update • Public Affairs/Marketing Update <ul style="list-style-type: none"> ○ Orange County Register Ads ○ Orange County Garden Friendly Program Dates ○ Fix a Leak Week • Omni Earth Presentation • Metropolitan Update <ul style="list-style-type: none"> ○ Conservation Budget Update ○ Innovative Conservation Program • Water Use Efficiency Programs Update <ul style="list-style-type: none"> ○ Choice Program Cost Allocation ○ Turf Removal Program <p>The next meeting is scheduled for April 7, 2016 at Irvine Ranch Water District.</p>
H2O for HOAs	<p>On March 9, Andrew Kanzler spoke at the H2O for HOAs event hosted by the Orange County Stormwater Program. The event was held at Santiago Canyon College and approximately 30 college students and HOA board members were in attendance. Presenters included University of California Cooperative Extension, Surfrider Foundation, Orange County Coastkeeper, City of Anaheim, Orange County Stormwater Program, and Green Gardeners Group.</p>
PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	<p>Bryce, Jonathan and Laura organized and attended the Public Affairs Workshop, which attracted more than 15 member agencies. The meeting included a presentation from a Northern California public relations firm that specializes in water-related outreach. The MWDOC team received positive feedback for organizing and hosting the presentation.</p>

Member Agency Relations (Continued)	<p>At Santa Margarita Water District, Jonathan and Laura attended a presentation by a Cal State San Marcos professor who is studying effective means of encouraging the public to make long term reductions in water use.</p> <p>Laura attended a public education subcommittee meeting at the County of Orange for the NPDES.</p> <p>Jonathan and Laura attended a WEROC training session at the South County EOC.</p> <p>Laura coordinated the printing of 45,000 water-efficiency bill inserts for member agencies.</p> <p>PA staff mailed and emailed the general manager's letter, requesting input on the MWDOC rate study, to all the elected officials, and their general managers.</p> <p>Tiffany and Bryce are currently working on trip logistics, guest and Director needs for the following inspection trips:</p> <ol style="list-style-type: none"> 1. March 11-13, Director Barbre CRA/Hoover trip 2. April 15-16, Director Ackerman CRA 3. April 22, Director McKenney Infrastructure <p>Bryce updated Residential and Commercial rebates flyers for El Toro Water District.</p> <p>On March 10, Jonathan and Tiffany attended the MET PIO meeting. A report of the meeting was sent to member agencies.</p> <p>Tiffany prepared two magazine cover mockups for a proposed Choice Communications Plan item.</p> <p>Tiffany has been working with the Wyland Foundation on logistics for their annual Mayor's Challenge for Water Conservation, April 1-30. She prepared two flyers for distribution, one for residents and businesses, and one for Orange County Mayors. The challenge is a friendly competition between cities across the U.S. to see which city nationwide can be the most water and energy efficient. Cities with the highest percentage of residents who take the challenge in their population category can win a variety of prizes from the Foundation including a Toyota Prius. In addition to individual agency reductions in water consumption, residents can save money and help their city meet conservation goals.</p>
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Community Relations	<p>Jonathan published the March edition of the eCurrents newsletter, which was sent to more than 7,000 OC water officials and residents.</p> <p>Laura attended the Water Use Efficiency coordinators meeting to ensure water-conservation messages and programs are consistent.</p> <p>At Home Depot in Santa Ana, Laura staffed a March 5 Garden Friendly water-use efficiency event. It was the first of several Garden Friendly events MWDOC will staff.</p> <p>Tiffany and Bryce attended the Great Wolf Lodge VIP reception on March 3, 2016.</p> <p>Bryce crafted the social media messaging for Fix-A-Leak Week, March 14-20, 2016.</p>
Education	<p>At Capistrano Valley High School, Jonathan and Laura attended the February 22 high school water expo. It was the first high school expo under MWDOC's high school program. Director Hinman and representatives from the MET education team also attended.</p> <p>Laura attended an elementary school program under the MWDOC education program in Laguna Beach with Director Hinman.</p> <p>Jonathan met with Director Hinman to discuss opportunities for improvement for the high school expos. He recorded the suggestions in a memo that was shared with the high school contractors. Suggestions were immediately incorporated into the next event.</p> <p>Jonathan attended the Anaheim High School water expo.</p> <p>Bryce attended a Children's Water Education Festival planning meeting and finalized the MWDOC activity which will be presented to approximately 600 Orange County students and teachers. Bryce also prepared a display item for this event and others to promote the 2016 Water Awareness Contests.</p>
Media Relations	<p>Jonathan worked with the Orange County Register to ensure the story on the county's progress on the statewide conservation mandate was accurate.</p> <p>Jonathan worked with a Los Angeles Times reporter to determine the scope of her turf removal story.</p> <p>Laura issued a news release for Fix a Leak week.</p>

Special Projects	<p>Heather staffed Director Barbre on his 3-day trip of the State Water Project hosted with Director Stephen Faessel from the City of Anaheim. Three congressional staff members were in attendance: Jacqueline Gonzalez from Congresswoman Loretta Sanchez's office, Jessica Roxburgh from Congressman Dana Rohrabacher's office and Kristina Dunklin from Congressman David Valadao's office.</p> <p>MWDOC, along with partnering agencies Eastern Municipal Water District, Western Municipal Water District and Inland Empire Utilities Agency, hosted our Southern California Water Issues Congressional Delegation Briefing Luncheon on Wednesday, February 24, during the ACWA Conference. Heather, Tiffany and Bryce developed a variety of materials for the event including the program, signage, and more.</p> <p>MWDOC hosted a dinner in Washington D.C. for our member agencies who were there for the ACWA conference. Attendees included: Directors Ackerman and Barbre; MWDOC's D.C. advocate Jim Barker; MET Director Steve Blois; Bryson Wong from the House Subcommittee on Water Power & Oceans; Chris Tudor from Congressman Tom McClintock's office; Director Mary Aileen Mathais from IRWD; Joone Lopez from MNWD; Alicia Dunkin from OCWD; and Heather and me.</p> <p>Heather attended ACC-OC/OCBC's Sacramento Advocacy trip from Feb. 29-Mar. 1. We heard presentations from OCBC's lobbyist Moira Topp, Transportation Secretary Brian Kelly, Assemblyman Jim Frazier, CalEPA Director Matt Rodriguez, Senate President Pro Tem Kevin DeLeon, Senator Cathleen Galgiani, Senator Jim Beall, and Senate Republican Leader Jean Fuller. They hosted a dinner for the Orange County delegation and all members attended with the exception of Senator Janet Nguyen. The morning presentation was from State Controller Betty Yee, and the afternoon session we heard from Senator Andy Vidak, Assemblyman Chris Holden, Assemblywoman Kristin Olsen, Assemblyman Dababneh & Assembly Republican Leader Chad Mayes.</p> <p>Heather met with MET's Albert Napoli to finalize details on the Community Leaders Briefing with Assemblyman Matt Harper. The breakfast is scheduled for Friday, April 8, at the Muth Interpretive Center in Newport Beach. Heather secured the location and Jonathan & Laura compiled an invitation list including all elected officials within Assemblyman Harper's district.</p> <p>Heather secured the March ISDOC Quarterly Luncheon speaker, Paul Walters, and sent out the invitation. The luncheon is scheduled for March 31 where we will be highlighting member agency, Trabuco Canyon Water District.</p>
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Special Projects (Continued)	<p>Jonathan and Laura met with Chapman media professor Pete Weitzner to discuss a potential partnership and including MWDOC and water-related stories in Chapman projects.</p> <p>Jonathan addressed a Chapman class about water conservation in OC.</p> <p>Jonathan attended a “local government” seminar at Chapman to meet potential participants in the water summit.</p> <p>Jonathan and Tiffany met to discuss the 2016-17 PA work plan and potential projects for the countywide water communications plan.</p> <p>Laura assembled the invitation list for the Community Leaders Briefing with Assemblyman Matt Harper as well as the list for the April 7 elected officials dinner at MWDOC.</p> <p>Tiffany and Bryce updated several pages on the MWDOC website.</p> <p>Bryce updated WEROC graphic of water trailer locations in Orange County. He also prepared a reconstructed logo image for the shared Boardroom doors.</p> <p>At El Toro Water District, Tiffany and Bryce attended the March 15 WEROC Tabletop Exercises.</p> <p>Tiffany and Bryce are developing options and pricing materials for a new hallway display.</p> <p>Bryce worked with a mascot designer to develop a new/modern Ricki the Rambunctious Raindrop mascot.</p> <p>Jonathan and Laura worked with the OC Register and participation agencies to produce four full-page Register stories on the value of water as part of the CHOICE program. The pages run in the Local section on Sundays. The topics included Water Rates, Education Program, the Water Reliability Study, and Fun Facts about Water.</p>
Legislative Affairs	<p>Heather participating in Met's Member Agency Legislative Coordinators' conference calls.</p> <p>Heather attended ACWA's State Legislative Committee meeting in Sacramento. While in Sacramento, Heather met with Assembly Republican Caucus Policy Director, Steve McCarthy, regarding AB 1713 (Eggman).</p>

Legislative Affairs (Continued)	<p>Heather met with Senate Republican Caucus Policy Director Greg Maw to discuss their caucus's water issues.</p> <p>Heather participated in the Southern California Water Committee Legislative Task Force conference call meeting.</p>
Water Summit	<p>Jonathan and Tiffany met repeatedly with OCWD staff and with the Summit directors committee to organize the OC Water Summit, which will be held on May 20 in Costa Mesa.</p> <p>Tiffany has been working with the South Coast Westin and Tony Wayne Entertainment to finalize hotel/food and AV logistics for the 2016 OC Water Summit.</p> <p>Kelly Salt of BBK has confirmed as a speaker, as has Dr. Grant-Ludwig from UCI, who is an expert on earthquakes. Dr. Feldman from Water UCI will moderate a panel and the BIA has also been invited as a moderator. Rancho Mission Viejo has expressed willingness to participate, and Richard Wilson, author of "Death of a Water District," has agreed to be the lunch/keynote panelist.</p> <p>Tiffany has designed the cover art, which the committee enthusiastically accepted, as well as the sponsorship package and other collateral materials. She has also prepared the registration form for paid registrants, staff and speakers, and individual sponsorships.</p>
EMERGENCY PREPAREDNESS	
General Activities	<p>Kelly Hubbard met with staff of the Central Basin Water District to discuss the WEROC program, what services it provides and how Central Basin could possibly develop a similar program for its retail agencies.</p> <p>Kelly attended a Goal Setting and Delegation Class at Orange County Sanitation District that was offered to MWDOC staff at no cost. It is one class in a leadership series that staff were invited to participate in.</p> <p>Kelly participated in the California Emergency Services Association Southern Chapter Board meeting and a State Board Conference Call.</p>

General Activities (Continued)	<p>In consideration of the San Bernardino terrorist attack at a county government office and due to a recent water meeting in which a suspicious individual walked in, Kelly provided staff with several training opportunities. First, at a recent MWDOC Staff meeting, Kelly showed staff an Active Shooter Video which demonstrated how to respond in such circumstances. Additionally, information about suspicious behavior and what to report to officials was distributed and discussed. The second training opportunity was called Pre-Incident Indicators training provided by the Orange County Intelligence Assessment Center (OCIAAC) to approximately 30 MWDOC and OCWD staff. This training covered the 8 indicators of terrorism planning, how to recognize those activities and who to report them to.</p>
Coordination with Member Agencies	<p>The WEROC Quarterly Emergency Coordinator meeting was well attended on February 2. The group discussed impacts and response to storm events to date, the fuel trailer grant project, and the WEROC exercise and training schedule for 2016.</p> <p>The current WEROC agency maps were distributed to Member Agencies to start an update of the maps. The maps have become faded and outdated. The maps will be updated by CDR and then printed at the MWDOC offices.</p> <p>On February 25 Kelly hosted the first Orange County Water Procurement and Distribution Planning meeting with water utility members and representatives from cities, county departments, American Red Cross and others. The purpose of the meeting was to discuss the roles and responsibilities of various entities during a disaster response to provide drinking water. Per state guidance, it is the Water Utilities responsibility to focus on the recovery of the water systems and for the cities to focus on the provision of water until the systems can be recovered. Very little planning of this type has been done on a city, county or non-profit level. WEROC will be leading an effort to define those roles during disaster response and to assist non-water utility partner organizations to write their own planning for drinking water coordination.</p>
Coordination with the County of Orange	<p>Kelly attended the Orange County Emergency Management Organization (OCEMO) and OCEMO Exercise Design Committee Meetings. The regular meeting had several presentations on the Zika Virus and how various agencies' including Vector Control and OC Health Care Agency are responding to the potential threat.</p>

Coordination with the County of Orange (Continued)	<p>Additionally, there was an informative presentation from Chapman Professor, Ann Gordon, on “The Chapman Survey on American Fears: Disasters.” The exercise design meetings were focused on further developing the county-wide exercise plan that will include WEROC and its member agencies.</p> <p>Kelly attended the Quarterly Urban Area Working Group (UAWG) Meeting and provided an update on the status of the fuel trailer and generator grant projects, as well as provided feedback on other projects.</p> <p>Kelly attended the Operational Area (OA) Executive Board meeting as the voting member for the Independent Special Districts of Orange County (ISDOC). The primary topic of concern for WEROC Member Agencies is some information presented on Senate Bill 949 “Emergency Services: Critical Infrastructure Information.” This bill is being reviewed by MWDOC legislative affairs and will be presented through that Board Committee.</p>
Coordination with Outside Agencies	<p>In Ontario, Kelly attended the quarterly Mutual Aid Regional Assistance Council (MARAC). A quick update was provided by the Emergency Manager of the County of San Bernardino on the Waterman Incident (San Bernardino Shooting) and a presentation on the California Catastrophic Recovery Plan update process was provided. The state’s focus for the plan update is on critical infrastructure and utilities will be asked to participate in the process.</p> <p>Kelly was requested to participate in the City of Long Beach Water Department’s Emergency Operations Plan update process. They are incorporating a “whole community” process while updating their emergency plan. This is a unique approach for a water utility and Long Beach Water has promised to share their plan and lessons with WEROC when done.</p> <p>Kelly participated in a few California Water/Wastewater Agency Response Network (CalWARN) conference calls to clean up some documentation of WEROC agencies within WARN, to discuss continued revision of response policy, and to develop an upcoming training program that is free to all CalWARN members, including WEROC members.</p> <p>In Pasadena, Kelly participated in a Critical Lifelines meeting which is an effort being led by the County of Los Angeles and Edison to encourage greater planning, cross-training and integration of critical infrastructure in southern California emergency planning.</p>

WEROC Emergency Operations Center (EOC) Readiness	<p>Staff participated in the OC Operational Area Radio Test. The MET Radio Test was cancelled this month while MET completes an upgrade to its radio system. The MARS radio has been replaced at the MWDOC offices. Staff is working with MET to get the MARS radios at the two WEROC EOC's updated.</p> <p>Kelly has met with two facility/space consultants to provide a quote on conducting a facility assessment of the WEROC EOCs. It was recommended that an electrical assessment should be conducted of both facilities in consideration of how much additional electronic equipment has been added over the years. Due to the very limited electrical options currently available, it makes most sense to evaluate the overall facilities for the best options that will meet the WEROC operational and space needs. The consultants both have experience with a FEMA guidance on what EOC facilities should have and have worked on similar facilities.</p>
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pat meszaros
3/10/16

WATER RATES

NAVIGATING A COMPLEX
SYSTEM OF SUPPLY & DEMAND,
REGULATION & CONSERVATION



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

It's

extremely difficult for Orange County cities and water districts to perfectly match the cost of providing water with the price of using water. This is even truer in light of current events: California's historic drought, recent legislation

regulating rate-setting, increasing conservation measures and the need to remain solvent while preparing for future water demands.

"It would make sense that the cost of providing water should be recovered through the prices customers pay to use water. But the cost of providing water varies," says Dr. Juliet Christian-Smith of the Pacific Institute, which coordinated the 2013 "Need to Know: Water Rates" study. "For example, water may be more expensive during a drought or if increased treatment is required. And the total number of customers and the amount of water that they use also varies from season to season and year to year."

Water rates in California are historically complex but are even more so now. While some of OC's water agencies have relied on tiered rate structures as a water resource management tool, now they must demonstrate compliance with complex and changing state regulations. The 4th District Court of Appeal recently struck down San Juan Capistrano's tiered rate structure, saying it violated voter-approved Proposition 218, which prohibits government agencies from charging more for a service than it costs to provide it.

Those costs don't just include the cost of buying or producing water, but also the cost of building the infrastructure to deliver it, as well as the staff to maintain it and plan for the future. Some of those costs, often the bulk of a water bill, do not change, no matter how much water is used.

Thus agencies across California are re-thinking tiered rate structures and considering other tools to set rates. Reduced water use during the drought - meaning lower revenues for districts - further complicated the issue. Understanding the way rates are set, why agencies need to raise them, and what will happen to rates in the future requires a dramatic shift in the way consumers use and think about water.

"People think water is simple because we make it look easy, but a water system is complicated and no two are alike," says Ric Collett, president of the Yorba Linda Water District board of

directors. "People need to start thinking about water as a service, because whether they run their sprinklers or not, we have a responsibility to make sure that safe drinking water is always there.

The Yorba Linda Water District's decision last fall to raise water rates was met with protest letters from 23 percent of the public, packed meetings and ultimately legal action by the Yorba Linda Taxpayers Association. Officials warn that more districts will face public outcry throughout the state as, inevitably, rates are raised.

In setting rates, water agencies must consider three areas of specific costs to meet consumer demand, explains Kelly J. Salt, a partner in San Diego-based Best Best & Krieger which specializes in utility rate setting and compliance. Those costs include:

SOURCES OF SUPPLY: What are the district's water sources, and what does it cost to purchase, produce, treat, deliver or supply? Local water captured and stored may cost significantly less than water purchased from a wholesale provider.

SYSTEM CAPACITY: What is the agency's ability to supply water to all consumers at the time it is demanded? Districts must design, construct, operate and maintain their facilities to deliver water at peak times.

WATER CONSERVATION AND EFFICIENCY PROGRAMS: What costs are driven by high water use? Districts have additional costs to develop water conservation and efficiency programs to encourage customers to reduce consumption.

"Each district has different costs, consumption patterns, sources of supply, infrastructure needs and geography," Salt notes, and must develop and analyze the costs of providing services based on both fixed and variable costs.

"Rate setting is a very spreadsheet-driven process, and it's a transparent process," says Lisa Ohlund, general manager of East Orange Water District, which serves a 10-square-mile area in the unincorporated areas of North Tustin, Orange Park Acres, and portions of Orange. "We're eager to show the work we've done on rates, how we came up with them, and discuss what is going on in the water industry. But most people don't want to look at spreadsheets." ■

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

WATER PARTNER PROFILE: CITY OF TUSTIN

The original water system in the Tustin area was formed in 1887 by Willard Bros., who then sold the system to Tustin pioneer C. E. Utt in 1897 for \$7,500. At that time, the water system included one well, a steam-driven pump, a 10,000-gallon reservoir and a three-inch water main on Main Street. Utt hired his stepson, Walter Rawlings, in 1923 to run the family business, Tustin Water Works. Rawlings worked for the company for 50 years and his descendants sold the business to the city of Tustin in 1980.

The city has operated and maintained the water system since then. It currently serves a population of 67,700 in Tustin and most of incorporated North Tustin through 172 miles of pipes and 14,200 service connections. Water is pumped out of 14 wells and run through two treatment plants. The city maintains six reservoirs that store a total of 14 million gallons.

For more information, see tustinca.org



CALENDAR OF EVENTS

FEBRUARY 17

Irvine Ranch Water District holds a RightScape Workshop on **DRIP IRRIGATION MADE EASY**. Learn how to convert your existing sprinkler system into drip irrigation. The workshop is from 6 to 8 p.m. at IRWD's Multi-Purpose Room, 15600 Sand Canyon Ave. For more info and to sign up visit rightscapenow.com/events

FEBRUARY 20

From 8 a.m. to 12 p.m., ETWD will host a rebate information booth at the Lake Forest Home Depot located at 23651 El Toro Road. Please join us to learn more about the **STATE DROUGHT REGULATIONS** and how you can help meet those regulations by saving water and money with rebates on rain barrels, toilets and additional water conserving devices. For more information, please call (949) 837-0660.

FEBRUARY 24

Irvine Ranch Water district holds a RightScape Workshop on **SOIL, WATER AND PLANT RELATIONSHIPS**. Learn how to build up your soil, composting, plant development and proper watering. The workshop is from 6 to 8 p.m. at IRWD's Multi-Purpose Room, 15600 Sand Canyon Ave. For more info and to sign up visit rightscapenow.com/events

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3500 MacArthur Blvd.

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Home Depot - Mission Viejo
27952 Hillcrest

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WATER WISDOM BEGINS EARLY

ORANGE COUNTY WATER EDUCATION PROGRAMS OFFER SEAMLESS LESSONS FROM GRADES 1 - 12



BY CATHI DOUGLAS

A first-grade student knows how valuable water is, where it comes from – and why it’s important to protect it. And a local high school student is leading a community recycling effort to conserve it.

Thanks to concerted education programs offered in classrooms throughout Orange County, youngsters begin learning about water beginning in first grade and continuing through high school.

Together with participating local agencies, The Municipal Water District of Orange County administers comprehensive water education efforts in collaboration with the Discovery Cube – which offers grades 1 - 6 curricula – and the Orange County Department of Education – which has developed a new high school program. Irvine Ranch Water District operates its own education program.

“We’re here to inspire, educate and impact our community,” explains Sean Fitzgerald, Discovery Cube Orange County vice president, sales and strategic development. “We want to prepare kids with critical thinking skills and STEM knowledge. The goal is for them to apply the things we teach them so that they are further manifesting learning.”

The Discovery Cube’s water lessons are tailored to each grade level’s science standards, Fitzgerald explains, with each year’s content layering upon the previous year. “Our goal is to get the message about water across to students, who will change their own habits and then the habits of their family, to become warriors for water saving,” he adds. “We are raising a generation of water-aware consumers.”

Students learn that about half of the water used in Orange County travels literally hundreds of miles to get here, while the rest comes from a carefully managed aquifer. The overall lesson: delivering reliable water isn’t easy, and every drop is precious. They are valuable lessons as water districts balance serving customers, setting rates and meeting state mandates.

Educating El Toro Water District’s younger customers is an important step in the future of water

conservation,” ETWD General Manager Bob Hill notes.

MWDOC’s new high school water education program is administered by the Orange County Department of Education’s Inside the Outdoors program together with The Ecology Center of San Juan Capistrano. About 20 high schools are piloting “The Water Effect,” explains Lori Keisser, Inside the Outdoors development director.

“These kids are voting soon and making career choices, so it makes sense to ramp up a program to address water supplies, water conservation and water management,” notes Stephanie Smith, Inside the Outdoors operations manager.

The new high school program has three steps. First OCDE visits the campus to present “The Water Effect,” discussing topics like household water use, ways consumers can impact it, and even potential careers in water and conservation. The students are given a home/school water audit to administer and they collect data from parents, school administrators and maintenance crews. The California Water Fix, seen by many water managers as critical to ensuring a reliable supply in Southern California, is also discussed.

The second part of the program is the discussion of the data, and the ways the students can use social media to engage others and prompt behavioral changes in water use and conservation.

Finally the students launch their own campaigns through schoolwide expos, projects and social media to talk about innovative conservation efforts and other water issues, Inside the Outdoors’ Lori Keisser says.

“The most important part of the program is the action that happens in applying the education,” she notes. “Because it’s student-led, the dynamic changes and the students then become leaders on campus and in their communities. They become the voice of change.”

For more information about the Discovery Cube, see discoverycube.org/oc

For information about The Water Effect, see thewatereffect.one

For information about the California Water Fix, see californiawaterfix.com

THE WATER EFFECT EXPO

Feb. 22 - Noon

Capistrano Valley High School will host the inaugural expo showcasing water education booths designed by students. See mwdoc.com for info about other expos.

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

WATER PARTNER PROFILE: SANTA MARGARITA WATER DISTRICT



Santa Margarita Water District was founded in 1964 by a group of landowners in south Orange County. It became a California water district with a five-member publicly elected board in 1995.

The district serves about 155,000 customers through more than 1,200 miles of water and sewer lines. It manages 29 domestic (drinking water) reservoirs and eight recycled water reservoirs for irrigation.

SMWD is a leader in water recycling; it manages four sewage treatment plants in order to reuse/recycle all household wastewater for irrigation. During the ongoing drought, the district actively

pursued transferring as many of its irrigation accounts (serving homeowner associations, golf courses, parks and the like) to recycled water from potable. One of the most significant of these is the Calafia homeowner association in Mission Viejo. When completed, the project will replace 72 million gallons of potable water per year with recycled water for irrigation.

Another major project is the conversion of Lake Mission Viejo in order to replace the some 74 million gallons a year of potable water provided to the recreational lake to that same amount of advanced purified recycled water. It’s another great example of efficient use of a scarce and precious resource. For more information, see smwd.com

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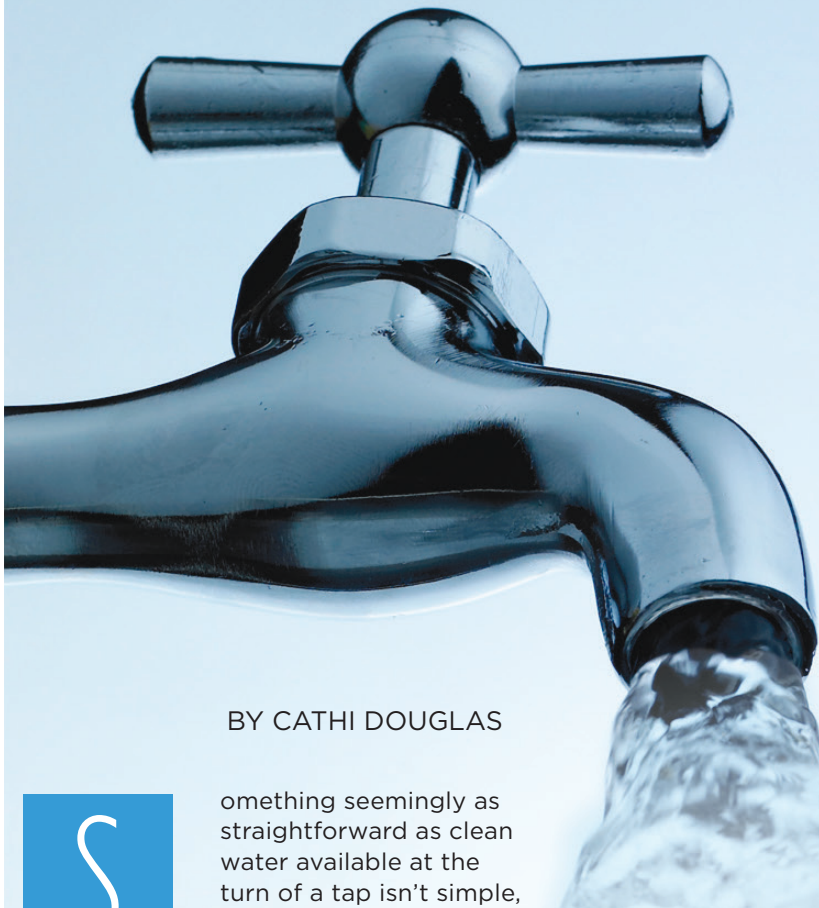
MARCH 19: 9 A.M. - 1:00 P.M.
Tree of Life - San Juan Capistrano
33201 Ortega Hwy.

APRIL 2: 8 A.M. - 12 P.M.
Home Depot - Huntington Beach
7100 Warner Ave.

APRIL 30: 8 A.M. - 12 P.M.
Home Depot - Costa Mesa
2300 S. Harbor Blvd.



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NEW STUDY PREDICTS WATER RELIABILITY

OC AGENCIES ANALYZE FUTURE NEEDS AND COSTS / BENEFITS OF WATER PROJECTS

BY CATHI DOUGLAS

Something seemingly as straightforward as clean water available at the turn of a tap isn't simple, cheap, or easy, according to water officials. An exhaustive new study details possible threats to Orange County's future water needs and details a multitude of ideas for meeting demands with dependable supplies.

The Orange County Reliability Study, initiated by the Municipal Water District of Orange County, evaluates existing and future water supplies, as well as system reliability and emergency supplies, explains Karl Seckel, MWDOC assistant general manager and district engineer. The study's intent is to provide information on the costs and benefits of various local, regional and statewide strategies that impact Orange County's future water supply.

With a 40 percent to 50 percent reliance on water from the State Water Project and the Colorado River Aqueduct, Orange County must face the possibility that these imported supplies may decline in the face of regulatory actions, drought and insufficient storage.

In collaboration with 30 local and regional water agencies, Seckel says MWDOC engineers will use the study for long-term planning. The study uses sophisticated information—including expert input on estimated water demands, estimated rainfall, sea-level rise and water supplies—to determine how Southern California's water supplies can be protected and allows engineers to account for different weather, infrastructure, population and climate scenarios.

"We are in at least a 10-year drought," Seckel notes. "A lot of things can happen and a lot can change as we're speaking, but it's certain that we need more careful, long-term planning to determine the risks we are facing in the long run."

Planners have many options for ensuring the reliability of water in Southern California, Seckel explains, including desalination of ocean water, recycling wastewater supplies and development of additional imported supplies and the California Water Fix—a proposal to construct two tunnels up to 150 feet below ground to protect water supplies and provide a new route to import Northern California water.

Perhaps the Orange County Reliability Study's most noteworthy finding, Seckel says, is that despite adding 750,000 residents since 1990, the county uses about the same amount of water as it did then. Even better, he says, the study demon-

strates that OC water use in 2040 will remain at similar levels even after adding another 300,000 residents, a demonstration of the efficiency of water use in the county achieved over the years.

Consumer programs made a difference., Seckel says, noting the effectiveness of the increased use of recycled water to provide irrigation-quality water to golf courses, parks and common areas. Seckel smiles as he explains the "Porcelain Canal," in which low-flow toilets replaced hundreds of thousands of inefficient units throughout Orange County.

"Other decisions were made beginning in the '90s that required huge investments but are the reason we haven't run out of water yet," Seckel adds. Dramatic reductions in indoor water use came about thanks to consumer programs such as the Porcelain Canal and the introduction of energy- and water-efficient washing machines. Now efforts are concentrating on the reduction of outdoor water use through efficient irrigation, automated sprinkler systems that determine use based on weather conditions, water-saving sprinklers and nozzles, and California-friendly landscaping.

With a 40% to 50% reliance on water from the State Water Project and the Colorado River Aqueduct, Orange County must face the possibility that these imported supplies may decline in the face of regulatory actions, drought and insufficient storage.

The investments also increased the efficiency in transporting, storing, treating and delivering water—as well as the significant investment by the Metropolitan Water District in Diamond Valley Lake near Hemet, which more than doubled reservoir storage in Southern California when it opened in 2000. Like a savings account, the reservoir is filled when water is available from the State Water Project, then used in drier times. The \$2 billion project was built without state or federal funding. Metropolitan also invested heavily in Central Valley water storage and programs to increase water deliveries through the Colorado River Aqueduct.

Metropolitan's combined storage has reached as high as 2.7 million acre feet—enough for more than 6.5 million families—but the "savings account" has dropped to less than 1 million acre feet during the prolonged drought.

Seckel says every conservation effort and every project makes a difference.

"What we do affects each other, so planning must be collaborative to ensure an integrated resource plan that reduces risk," he says. "The study tells us what we should start thinking about today."

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H2O FOR HOAS

Aimed at providing homeowners associations with information on **WATER-EFFICIENT IRRIGATION TECHNIQUES** to save water and eliminate runoff.

MARCH 9: 8 A.M. - 12 P.M.
Santiago Canyon College
8045 E Chapman Ave., Orange

MARCH 17: 9 A.M. - 12:30 P.M.
The Bell Tower
22232 El Paseo
Rancho Santa Margarita



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

WATER PARTNER PROFILE: CITY OF LA HABRA



The city of La Habra – perhaps best known to outsiders for its annual Corn Festival, which attracts 30,000 visitors – provides water service to 63,118 households. Water service in La Habra is unique, says Water & Sewer Manager Brian Jones, because the city has its own groundwater basin that provides about 40 percent of the city's water.

"La Habra is what I call bathtub-shaped, high on the north and south ends with hills on either side," Jones explains. "It can make water delivery challenging."

While providing water service to residents and businesses since 1925, Jones says his department does quite a bit of water forecasting in anticipation of

upcoming weather and based on past performance and demand.

"Typically we evaluate our system on a daily basis, multiple times a day, to make adjustments and corrections to provide the adequate amount of water," Jones says. The city has 21 different water pressure zones and three different sources of water, including its groundwater basin, access to imported water from the San Gabriel River water basin and from the Metropolitan Water District.

The city is involved in public outreach regarding water restrictions in the ongoing drought, Jones says, and has reduced use 22 to 23 percent since the June 2015 inception of the program. For more information, see ci.la-habra.ca.us

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HOW MUCH H₂O DOES YOUR LAWN USE?

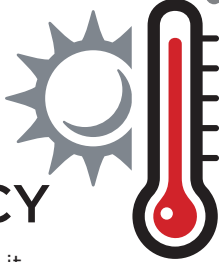
The Municipal Water District of Orange County says that **50% OR MORE OF THE WATER USED IN OUR HOMES IS USED OUTDOORS.** That seems impossible, right? Let's see: To provide your lawn with one inch of water takes a little over half a gallon per square foot. That means that every 10-by-10-foot area requires more than 62 gallons of water. That doesn't sound like much, but that means that a 100-by-100-foot lawn needs 6,230 gallons of water, but every time the sprinklers are turned on much more than that may be wasted through inefficiency, evaporation, watering the sidewalk, etc.

(To calculate the amount of water you use, multiply the width times the length of your yard in feet to get the number of square feet of area. Then multiply that figure by 0.623 to come up with the number of gallons used).

Source:
todayshomeowner.com



WEATHER STATIONS WATER EFFICIENCY



When it comes down to it, conserving outside water use has never been easier for Orange County homeowners. The Irvine Ranch and Santa Margarita water districts even have installed **WEATHER STATIONS TO PROVIDE PRECISE DATA** for homeowners businesses and other users.

Fiona Sanchez, Irvine Ranch Water District's director of water resources, notes that the district historically has focused on water conservation and had a multitude of consumer programs going long before the state's historic drought made headlines.

"Our customers have always focused on water efficiency," Sanchez says. "Residential use for January 2016 was down to 59 gallons per capita for indoors and outdoors combined, compared to the statewide standard of 55 gallons per capita for indoor water use alone, so our customers are doing an outstanding job."



DRIP BUT DON'T WASTE A DROP

Drip irrigation systems send large drops of water close to the ground and are **MORE WATER EFFICIENT THAN SPRINKLERS**, which lose a lot of water through evaporation and even wind blowing the valuable drops off course. There are many different types of drip equipment, including drippers, bubblers, soakers (inline emitters), and micro-sprayers. Other items you can find at home improvement stores include rain sensors - which measure rainfall and signal the system to stop watering until rain has evaporated - and rain gauges, add-ons to the irrigation system that automatically shut off the system when it rains.

Another efficient form of irrigation: rotators, which transform many standard sprinklers into models that are 30 percent more efficient.

See ocwatersmart.com for irrigation tips and rebates on efficient upgrades.

A HISTORY OF THE AMERICAN LAWN



It wasn't until the Industrial Revolution that lawns became practical for most Americans. Lawns were seen as a luxury expense for the wealthy who could afford groundskeepers to maintain the fine-bladed plants using scythes.

Not everyone wanted cattle or **SHEEP GRAZING** to keep the green stuff at a manageable height, as President Woodrow Wilson did while occupying the White House. (Presidents Washington and Jefferson both used sheep to keep their home lawns at manageable heights!)

Green, weed-free lawns didn't exist in America until the late 18th century, when Americans with enough money to travel overseas returned to the U.S. with images of English lawns firmly planted in their imaginations.

By 1915, the U.S. Department of Agriculture was collaborating with the U.S. Golf Association to find the right grass to create a durable, attractive lawn suitable to the variety of climates found in America. Included in the testing were Bermuda grass from Africa, blue grass from Europe, and a mix of Fescues and bent grass. Fifteen years later, the USDA discovered several grass combinations that would work in our climate.

Source: american-lawns.com/history/history_lawn.html

FUN FACTS ABOUT WATER AND MORE

BY CATHI DOUGLAS



OUTDOOR REBATES GALORE!

In collaboration with local water agencies, the Municipal Water District of Orange County offers **REBATES ON A NUMBER OF OUTDOOR WATER-SAVING DEVICES**, including smart irrigation timers, turf removal, soil moisture sensors, sprinkler nozzles, rain barrels and drip irrigation systems.

Visit ocwatersmart.com for details.

SMART BUILDINGS, SMART YARDS

Inside and outside, new homes are more efficient water-wise than ever before. In common areas and medians reclaimed water is used for irrigation, and lawns are smaller.



Mike Balsamo, CEO of the Orange County chapter of the Building Industry Association, notes that builders of new residential communities are going beyond current state laws and the Governor's directives in saving water. "Builders are creative in using newer designs that are aesthetically attractive," Balsamo says. "They're **INCORPORATING NATIVE GRASSES, ROCK GARDENS, HARDSCAPES AND USING NATIVE PLANTS** wherever possible. Rancho Mission Viejo's new villages of Sendero and Escencia are examples of communities that use hybrid native landscaping for a very attractive look."

The Irvine Company has been a pioneer in sustainable development since the company's founding in 1864, its website says. When it developed the master plan for The Irvine Ranch in the late 1950s, environmental stewardship was a component of that process. Today, teams of specialists manage the environmental impact of the company's portfolio through water, energy and waste conservation.

Dan Kelly, senior vice president of Rancho Mission Viejo, says that approximately 93 percent of the common areas at Sendero and nearly 100 percent of common areas at Esencia are irrigated with recycled water. Water-wise planting on Rancho Mission Viejo has increased 166 percent to help reduce irrigation demand; only 10 percent of Rancho Mission Viejo common areas use turf grass.

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

The annual Water Awareness Poster-Slogan Contest and Photography & Digital Arts Contest are **NOW ACCEPTING SUBMISSIONS!**



This year's theme, "Drip, Drop, Stop" encourages students to express their water smarts through enthusiastic creativity. Students in grades K-12 are encouraged to submit hand-drawn artwork and original short slogans reflecting the intelligent use of water. Students in grades 6-12 are invited to

create digital artwork and photos using their smart phone, tablet, or computer. Tell your friends and family to enter for a chance to win a Nintendo 3DS or one of four iPad Minis.

The contest deadline is April 4, 2016.

For more information and steps to enter, see mwdoc.com/services/poster-slogan

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INFORMATION CALENDAR

**MWDOC GENERAL INFORMATION
ITEMS**

MWDOC BOARD OF DIRECTORS

- Brett R. Barbre
- Larry D. Dick
- Wayne Osborne
- Joan Finnegan
- Sat Tamaribuchi
- Jeffery M. Thomas
- Susan Hinman