

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
March 15, 2017, 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>.

- **PRESENTATION BY ANDY SELLS OF ACWA/JPIA**

NEXT RESOLUTION NO. 2044

CONSENT CALENDAR (Items 1 to 14)

(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. November 16, 2016 (revised)
- b. February 1, 2017 Workshop Board Meeting
- c. February 15, 2017 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee: February 6, 2017

- b. Administration & Finance Committee: February 8, 2017
- c. Executive Committee Meeting: February 16, 2017

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of February 28, 2017
- 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, 2017
- 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, 2017

Recommendation: Receive and file as presented.

5. LANDSCAPE DESIGN ASSISTANCE PROGRAM

Recommendation: Authorize the General Manager to enter into professional services agreements with both DeLorenzo International and EcoTech Services, Inc. to provide landscape design assistance in an amount not to exceed \$140,000. Should other firms (to be determined) demonstrate they are qualified to do the work and agree to a competitive fee structure, staff request Board authorization to contract with them as well.

6. ADDITIONAL AUTHORIZATION OF WORK FOR THE OC WATER RELIABILITY STUDY 2017 UPDATE

Recommendation: Increase the authorization to CDM-Smith by \$44,013 to complete \$81,590 in additional work on updating various aspects of the 2016 OC Water Reliability Study, using \$37,577 that was remaining from the prior authorization. The work is expected to take about 4 to 5 months to complete.

7. WEROC RADIO SYSTEM REPLACEMENT EVALUATION

Recommendation: Direct staff to explore the best radio replacement solutions for the WEROC radio including holding discussions with the WEROC funding agencies and the MWDOC member agencies; authorize WEROC to submit a formal request for permission to join the Orange County Sheriff's Department 800 MHz Radio

Program as a Participating Agency. Staff will come back to the board with final proposed solutions and costs for approval.

8. APPROVE PARTICIPATION IN THE CENTER FOR DEMOGRAPHIC RESEARCH

Recommendation: Approve participation in the Center for Demographic Research for fiscal years 2017-18 (\$43,802.57), 2018-19 (\$47,044.26), and 2019-20 (\$50,155.80). These amounts will be included in the budgets for each of the aforementioned fiscal years.

9. MULTI-FAMILY TOILET REBATE PROGRAM

Recommendation: Authorize staff to administer a Multi-family Toilet Rebate Program utilizing MWDOC's allocation of Metropolitan's Member Agency administered funding.

10. TRAVEL TO WASHINGTON, DC TO COVER FEDERAL INITIATIVES

Recommendation: Receive and file.

11. TRAVEL TO SACRAMENTO TO COVER STATE INITIATIVES

Recommendation: Receive and file report.

12. H.R. 23 (VALADAO, R-CA) – GAINING RESPONSIBILITY ON WATER ACT OF 2017

Recommendation: Adopt a support position on H.R. 23 and send a letter to the bill's author and members of the Orange County Congressional delegation.

13. AUTHORIZE THE HIRING OF TEMPORARY HELP TO ASSIST WITH RECORDS MANAGEMENT SCANNING

Recommendation: Authorize the services of Staffing Network and Matrix Imaging to assist with Records Management scanning of District records.

14. AUTHORIZE ATTENDANCE AT THE CALIFORNIA WATER POLICY 26, SAN DIEGO, CA, APRIL 6-7, 2017

Recommendation: Authorize attendance for Directors and such members of District staff as approved by the General Manager at the California Water Policy 26 Conference.

– End Consent Calendar –

ACTION ITEMS

15-1 ACWA JPIA EXECUTIVE COMMITTEE – REQUEST FOR CONCURRING RESOLUTIONS RES. NOS. _____

Recommendation: Review the candidates and determine if they wish to submit a resolution of support concurring with the nomination of a candidate or candidates.

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

16. GENERAL MANAGER'S REPORT, MARCH 2017 (ORAL AND WRITTEN)

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

17. MWDOC GENERAL INFORMATION ITEMS

- a. Board of Directors - Reports re: Conferences and Meetings
- b. 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 REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
November 16, 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. Administrative Services Manager Cathy Harris 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 (absent)
Jeffery M. Thomas

STAFF

Robert Hunter, General Manager
Karl Seckel, Assistant General Manager
Joe Byrne, Legal Counsel
Maribeth Goldsby, Board Secretary
Harvey De La Torre, Associate General Manager
Cathy Harris, Admin. Services Manager

ALSO PRESENT

Larry McKenney
William Kahn
Saundra Jacobs
Charley Wilson
Dan Ferons
Jim Leach
Dennis Erdman
Andy Brunhart
Gary Melton
Marc Marcantonio
Richard Eglash
Kelly Rowe

MWDOC MET Director
El Toro Water District
Santa Margarita Water District
Santa Margarita Water District
Santa Margarita Water District
Santa Margarita Water District
South Coast Water District
South Coast Water District
Yorba Linda Water District
Yorba Linda Water District
Brady & Associates
Water Resources Consultant

EMPLOYEE SERVICE AWARD

President Osborne presented an award to Cathy Harris (Administrative Services Manager) for thirty years of service to the District.

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.

Santa Margarita Water District Director Saundra Jacobs noted that she was out of town on the date the District celebrated Susan Hinman's retirement. She thanked and commended Director

Hinman on her years of dedicated service to the District. Ms. Jacobs also congratulated Director Thomas on winning the election in Division 6.

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 received.

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.

No information was presented.

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.

Upon MOTION by Director Hinman, seconded by Director Finnegan, and carried (6-0), the Board approved the Consent Calendar items as follows. A roll call vote was taken, and Directors Barbre, Dick, Finnegan, Hinman, Osborne, and Thomas all voted in favor. Director Tamaribuchi was absent.

MINUTES

The following minutes were approved.

October 5, 2016 Workshop Board Meeting
October 19, 2016 Regular Board Meeting

COMMITTEE MEETING REPORTS

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

Planning & Operations Committee Meeting: October 3, 2016
Administration & Finance Committee Meeting: October 12, 2016
Public Affairs & Legislation Committee Meeting: October 17, 2016
Executive Committee Meeting: October 20, 2016
MWDOC/OCWD Joint Planning Committee Meeting: October 26, 2016

TREASURER'S REPORTS

The following items were ratified and approved as presented.

MWDOC Revenue/Cash Receipt Register as of October 31, 2016
MWDOC Disbursement Registers (October/November)

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 September 30, 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 September 30, 2016
- Quarterly Budget Report
- Audit Report FY 2015/16

END CONSENT CALENDAR**ACTION CALENDAR****ADOPT RESOLUTION AMENDING DISTRICT PENSION PLAN TO ALLOW CONTRIBUTIONS TO GENERAL MANAGER'S 401 ACCOUNT**

Upon MOTION by Director Dick, seconded by Director Finnegan, and carried (6-0), the Board adopted RESOLUTION NO. 2038, approving Amendment No. 1 to the Municipal Water District of Orange County Pension Plan, as presented.

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

VENDOR SELECTION FOR PRODUCTION OF CHOICE WHITEBOARD VIDEOS

Upon MOTION by Director Finnegan, seconded by Director Hinman, and carried (6-0), the Board approved Spotlight Video as the CHOICE whiteboard vendor. Directors Barbre, Dick, Finnegan, Hinman, Osborne, and Thomas voted in favor; Director Tamaribuchi was absent.

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VENDOR SELECTION FOR PRODUCTION OF CHOICE OC WATER MAGAZINE

Upon MOTION by Director Dick, seconded by Director Finnegan, and carried (5-1), the Board approved the *OC Register* as the vendor for *OC Water Magazine* CHOICE program. Directors, Dick, Finnegan, Hinman, Osborne, and Thomas voted in favor; Director Barbre voted against, and Director Tamaribuchi was absent.

APPROVE RECOMMENDATIONS IN THE EMERGENCY OPERATIONS CENTER (EOC) ASSESSMENT STUDY AND STAFF ACTIONS

Upon MOTION by Director Hinman, seconded by Director Finnegan, and carried (6-0), the Board accepted the recommendations of the WEROC EOC Assessment Report submitted by Claris Strategies and authorized staff to move forward as follows: (1) Reduce primary WEROC EOC's from two to one in accordance with the study; and (2) Complete the following work at the South EOC: life safety recommendations, electrical study, and seismic assessment. Staff will utilize the FY2016/2017 budget and WEROC reserves for this work and will bring any items requiring board approval back for authorization. Directors Barbre, Dick, Finnegan, Hinman, Osborne, and Thomas voted in favor; Director Tamaribuchi was absent.

EXECUTION AND IMPLEMENTATION OF WATER USE EFFICIENCY GRANT AGREEMENTS

Upon MOTION by Director Dick, seconded by Director Finnegan, and carried (6-0), the Board authorized the General Manager to sign grant agreements and for staff to implement: (1) the US Bureau of Reclamation Agreement for implementation of the Comprehensive Landscape Water Use Efficiency Program - Phase II, and (2) the South Orange County Integrated Regional Water Management Implementation Grant for Strategic Turfgrass Removal and Design Assistance Program. Directors Barbre, Dick, Finnegan, Hinman, Osborne, and Thomas voted in favor; Director Tamaribuchi was absent.

LRP AGREEMENT BETWEEN METROPOLITAN, MWDOC, AND EL TORO WATER DISTRICT FOR THE EL TORO RECYCLED WATER SYSTEM EXPANSION PHASE II PROJECT

Upon MOTION by Director Dick, seconded by Director Thomas, and carried (6-0), the Board authorized the General Manager to execute the final Local Resources Program agreement with Metropolitan Water District of Southern California and El Toro Water District substantially in the form presented for the El Toro Recycled Water System Expansion Phase II Project, subject to review and approval by Legal Counsel of any agreement changes. Directors Barbre, Dick, Finnegan, Hinman, Osborne, and Thomas voted in favor; Director Tamaribuchi was absent.

LRP AGREEMENT BETWEEN METROPOLITAN, MWDOC, AND SANTA MARGARITA WATER DISTRICT FOR THE LAKE MISSION VIEJO ADVANCED PURIFICATION WATER TREATMENT FACILITIES PROJECT

Upon MOTION by Director Thomas, seconded by Director Finnegan, and carried (6-0), the Board authorized the General Manager to execute the final Local Resources Program agreement with Metropolitan Water District of Southern California and Santa Margarita Water District substantially

in the form presented, for the Lake Mission Viejo Advanced Purification Water Treatment Facilities Project, subject to review and approval by Legal Counsel of any final agreement changes. Directors Barbre, Dick, Finnegan, Hinman, Osborne, and Thomas voted in favor; Director Tamaribuchi was absent.

INFORMATION CALENDAR

GENERAL MANAGER'S REPORT, NOVEMBER 2016

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

Director Barbre commented on the General Manager's and Director Tamaribuchi's activities with respect to CCEEB and various meetings with environmental groups; he asked that a report on these activities be provided to the Board.

General Manager Hunter reported that the Elected Officials Forum would be held on January 5th, and that the next Water Policy Forum dinner (featuring Mark Cowin) would be held January 26th.

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 Thomas reported on attending the Board meeting, Planning & Operations, Public Affairs & Legislation, Administration & Finance, and Executive Committee meetings, as well as the State of the Schools event in Tustin, the WACO meeting, the Lake Mission Viejo opening, the MET meetings, the Southern California Marketing Association Infrastructure meeting, the MWDOC/OCWD Joint Planning Committee meeting, the Southern California Water Committee meeting, and OC Water Summit planning meeting(s). Mr. Thomas acknowledged the public service provided by Gary Melton (YLWD) (as a result of the recent election loss), and thanked Susan Hinman for her service on the MWDOC Board.

Director Hinman advised that she attended all of the MWDOC Board and Committee meetings, as well as the Moulton Niguel Water District Board meeting, a State Water Project inspection trip, the MWDOC/OCWD Joint Planning Committee meeting, and the South County Watershed Management Executive Committee meeting. She thanked staff for all of their assistance to her over the years.

Director Barbre reported that he attended the following meetings in his capacity of MET Director: MET Director luncheon, MET Committees (1st Monday and 4th Tuesday), Southern California Water Committee annual dinner, the WACO meeting, a meeting with Senator Moorlach regarding Delta issues, a meeting with Jeff Kightlinger and OCWD Board members regarding the Local

Resources Program and desalination issues, as well as a meeting with Debra Man, Gordon Johnson, and Larry Verne regarding MET bidding issues. He also reported on attending the following meetings in his capacity of MWDOC Director: the MWDOC Board and Board Workshop meetings, Executive, Administration & Finance, and Planning & Operations Committee meetings, as well as the YLWD Citizen's Advisory Committee meeting, the MWDOC/OCWD Joint Planning Committee meeting, the YLWD Board meeting, the SMWD Board meeting, and a tour of the Great Wolf Lodge. Mr. Barbre commented on the recent election and his disappointment with the recall vote and its effect on YLWD; he commended Gary Melton for his service to the YLWD Board.

Director Finnegan stated that she attended MWDOC's two Board meetings, the Planning & Operations, Public Affairs & Legislation, Administration & Finance, and Executive Committee meetings, the ISDOC Executive Committee meeting, and the Mesa Water board meeting.

Director Dick reported that he attended the following meetings: The Executive, Administration & Finance, Planning & Operations, and Public Affairs & Legislation Committee meetings, the MWDOC Board and Board Workshop meetings, the MWDOC/OCWD Joint Planning Committee meeting, the Southern California Water Committee meeting, the South Orange County Economic Coalition meeting, the ISDOC Executive Committee meeting, the MWDOC MET Directors meeting, the MET Caucus, the MET Committee and Board meetings, the WACO Planning meeting, and the Urban Water Institute meetings. He commented on the positive effect of MET's contracting with Disabled American Veterans.

Legal Counsel Byrne announced that Director Tamaribuchi submitted a written report on meetings he attended and that these meetings included the Workshop Board meeting (11/2), the Administration & Finance (11/8), Planning & Operations (11/14), and Executive Committee (10/20) meetings, a meeting with MWDOC and MET staff regarding the California WaterFix (10/21), the Southern California Water Committee annual dinner (10/27), the CCEEB meeting (11/3), and the Baker Treatment Plant dedication.

President Osborne advised that he attended the Workshop and Regular Board meetings, the Planning & Operations, Administration & Finance, Public Affairs & Legislation, and Executive Committee meetings, the MWDOC/OCWD Joint Planning Committee meeting, the OC Water Summit Ad Hoc Committee meeting (10/31), and the WACO meeting (11/4).

ADJOURNMENT

There being no further business to come before the Board, President Osborne adjourned the meeting at 9:06 a.m.

Respectfully submitted,

Maribeth Goldsby, Secretary

**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 1, 2017

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. Mr. Harvey De La Torre led the Pledge of Allegiance and Secretary Goldsby called the roll.

MWDOC DIRECTORS

Brett R. Barbre*
Larry Dick*
Joan Finnegan
Wayne Osborne
Megan Yoo Schneider
Sat Tamaribuchi
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.
Melissa Baum-Haley, Sr. Water Resource Analyst
Kevin Hostert, Water Resources Analyst
Charles Busslinger, Principal Engineer
Joe Berg, Director of Water Use Efficiency

*Also MWDOC MET Directors

OTHER MWDOC MET DIRECTORS

Larry McKenney
Linda Ackerman

OTHERS PRESENT

Gordon Johnson
Paul Brown
William Kahn
Mark Monin
Fred Adjarian
Brian Ragland
Doug Reinhart
Peer Swan
Paul Weghorst
Jim Atkinson
Don Froelich
Bill Hunt
John Kennedy
Adam Hutchinson
Jim Leach
Dennis Erdman
Rick Erkeneff
Andy Brunhart
Jody Brennan
Al Nederhood
Brooke Jones
Marc Marcantonio
Richard Eglash

Metropolitan Water District of So. Calif.
Metropolitan Water District of So. Calif.
El Toro Water District
El Toro Water District
El Toro Water District
Huntington Beach
Irvine Ranch Water District
Irvine Ranch Water District
Irvine Ranch Water District
Mesa Water
Moulton Niguel Water District
Orange County Water District
Orange County Water District
Orange County Water District
Santa Margarita Water District
South Coast Water District
South Coast Water District
South Coast Water District
South Coast Water District
Yorba Linda Water District
Yorba Linda Water District
Yorba Linda Water District
Brady & Associates

Kelly Rowe
Ed Means

Water Resources Consultant
Means Consulting

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.

SCWD General Manager Andy Brunhart announced that prior SCWD Board Member, Bob Moore, passed away and that the funeral would be held on February 3, 2017 at South Shores Church in Dana Point.

PRESENTATION/DISCUSSION/INFORMATION ITEMS

PRESENTATION BY METROPOLITAN STAFF REGARDING THE CARSON REGIONAL RECYCLING PROJECT

Mr. Gordon Johnson of Metropolitan Water District (MET) updated the Board on the activities regarding the Carson Regional Recycling Project (Project). His presentation included an overview of the Project background, the major findings in the Feasibility Study, and the next steps. Mr. Johnson advised that this Project is a collaboration between MET and the Sanitation Districts of Los Angeles County to develop a new regional water source, that a potential 150-mgd Project is feasible, that the Project provides significant regional benefits, costs and benefits are consistent with the 2015 IRP update, and it is adaptable to future Direct Potable Reuse regulations, if needed. Mr. Johnson then presented information on the Feasibility Study Process, including Project element findings (which components are feasible, which are likely feasible, and where no fatal flaws were identified), along with an overview of the Advisory Panel members that participated in the Feasibility Study, and their ultimate conclusion that its findings are reasonable with no foreseen technical fatal flaws.

Considerable discussion ensued regarding the Project's potential impact on stranded assets (if any), the potential costs, and the timeline for completion (10-15 years on-line). Following the discussion, President Osborne thanked him for the presentation.

The Board received and filed the report.

ACTION ITEM**UPDATE ON THE OC FLOOD CONTROL ENCROACHMENT PROCESS**

Assistant General Manager Karl Seckel, reported that MWDOC, along with a number of member agencies, have continued to weigh in on the OCFCD's proposed Right of Entry and Use Agreement, which would impose an annual use fee for utility facilities that cross or encroach upon OCFCD property, and have communicated with the County Legal Counsel that it is our belief that OCFCD lacks the legal authority to impose the fee. Mr. Seckel noted that the date of the Board of Supervisors meeting (where this was to be considered) has been pushed back to February 24th.

General Manager Hunter advised that because the item was deferred (by the Board of Supervisors) this matter could be deferred to the next Board meeting. Following discussion, the Board generally concurred to defer this item to a future meeting.

PRESENTATION/DISCUSSION/INFORMATION ITEMS (Continued)**INPUT OR QUESTIONS ON MET ISSUES FROM THE MEMBER AGENCIES/MET DIRECTOR REPORTS REGARDING MET COMMITTEE PARTICIPATION**

Director Ackerman reported that she met with MET Chairman Randy Record who informed her that he will be forming a new MET Committee entitled Conservation and Local Projects, which will be a "no action" committee. As it is in the preliminary stages, she will report more at the next meeting.

Director Dick reported that MET continues to work on the Fixed Treatment Charge, that there appears to be good support for the Carson Project, and that two priorities at MET are (1) the San Diego litigation, and (2) the California Water Fix.

Director Barbre stated that the California Water Fix continues to be of utmost importance at MET. He also stated that MET General Manager Kightlinger believes that due to the wet weather, the emergency drought regulations imposed by Governor Brown should be removed. Mr. Barbre believes MWDOC should take an action to ask Governor Brown to end the emergency drought regulations.

Director McKenney highlighted an upcoming three-week shutdown of the Colorado River Aqueduct to do maintenance work.

ORANGE COUNTY'S WATER SUPPLY AND PERFORMANCE REPORT FOR NOVEMBER 2016

Water Resources Analyst Kevin Hostert reported on Orange County's water supply conditions and conservation performance for November 2016, noting that for the month of November Orange County saved 14.5%, exceeding the MWDOC Countywide saving goal of 10%. He also reviewed supply conditions, reservoir storage, snowpack levels, rainfall amounts (148% of average to date), and the "Table A" State Water Project Allocations for 2017 (set at 60% for 2017).

The Board referenced the schematics used in Mr. Hostert's presentation and asked that they be sent to the Board.

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
- h. South County Projects

The Board received and filed the information as presented.

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; the information was received and filed.

ADJOURNMENT

There being no further business to come before the Board, the meeting adjourned at 9:54 a.m.

Maribeth Goldsby
Board Secretary

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
February 15, 2017**

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. President Osborne led the Pledge of Allegiance and Secretary Goldsby called the roll.

MWDOC DIRECTORS

Brett R. Barbre
Larry Dick
Joan Finnegan
Wayne Osborne
Sat Tamaribuchi
Jeffery M. Thomas
Megan Yoo Schneider

STAFF

Robert Hunter, General Manager
Karl Seckel, Assistant General Manager
Alisha Winterswyk, Legal Counsel
Maribeth Goldsby, Board Secretary
Harvey De La Torre, Associate General Manager
Damon Micalizzi, Director of Public Affairs
Melissa Baum-Haley, Sr. Water Res. Analyst
Jonathan Volzke, Public Affairs Manager
Tiffany Baca, Public Affairs Supervisor
Charles Busslinger, Principal Engineer

ALSO PRESENT

Larry McKenney
Linda Ackerman
William Kahn
Paul Weghorst
Jim Atkinson
Paul Shoenberger
Dennis Erdman
Andy Brunhart
Al Nederhood
Brooke Jones
Richard Eglash
Kelly Rowe

MWDOC MET Director
MWDOC MET Director
El Toro Water District
Irvine Ranch Water District
Mesa Water
Mesa Water
South Coast Water District
South Coast Water District
Yorba Linda Water District
Yorba Linda Water District
Brady & Associates
Water Resources Consultant

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.

MWDOC MET Director Larry McKenney advised that in response to issues surrounding Prop 218 (setting water rates), Senator Hertzberg has introduced SCA 4, a spot bill which would allow water districts and local governments to pursue storm water projects and conservation pricing for water. He advised that ACWA is working with Mr. Hertzberg's staff on this legislation. The Board asked that staff provide a detailed report be given at the Public Affairs & Legislation Committee.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were received.

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.

No items were presented.

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.

Upon MOTION by Director Dick, seconded by Director Finnegan, and carried (7-0), the Board approved the Consent Calendar items as follows. Directors Barbre, Dick, Finnegan, Osborne, Tamaribuchi, Thomas and Yoo Schneider all voted in favor.

MINUTES

The following minutes were approved.

January 4, 2017 Workshop Board Meeting
January 5, 2017 Special Board Meeting
January 18, 2017 Regular Board Meeting
January 28, 2017 Special Board Meeting

COMMITTEE MEETING REPORTS

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

Planning & Operations Committee Meeting: January 3, 2017
Administration & Finance Committee Meeting: January 11, 2017
Public Affairs & Legislation Committee Meeting: January 16, 2017
Executive Committee Meeting: January 19, 2017, 2017
MWDOC/OCWD Joint Planning Committee Meeting: January 25, 2017

TREASURER'S REPORTS

The following items were ratified and approved as presented.

MWDOC Revenue/Cash Receipt Register as of January 31, 2017
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 item was received and filed as presented.

Combined Financial Statements and Budget Comparative for the period ending November 30, 2016
Quarterly Budget Review

WEB HOSTING AND ANNUAL SUPPORT FOR THE CALIFORNIA SPRINKLER ADJUSTMENT NOTIFICATION SYSTEM

The Board authorized the General Manager to enter into a professional services contract with Enterprise Information Systems, Inc. for annual web hosting and maintenance of the California Sprinkler Adjustment Notification System at a cost not to exceed \$14,400.

REFINEMENTS TO THE TURF REMOVAL REBATE PROGRAM

The Board authorized the addition of Electronic signatures and Spray-to-Drip rebate processing into Year II of the Droplet Technologies agreement at a cost not to exceed \$23,500.

COMMITTEE AND RESOLUTION OPTIONS RELATING TO JOINT/CONSOLIDATED COMMITTEE WITH OCWD AND DESALINATION PROJECTS

The Board designated the MWDOC/OCWD Joint Planning Committee to act as the vehicle/committee to discuss desalination issues with OCWD, and place “desalination” as a regular agenda item on that Committee.

STANDING COMMITTEE AND AD HOC COMMITTEE APPOINTMENTS FOR 2017; SCHEDULE OF MEETING DATES FOR 2017

The Board (1) ratified the list of Standing Committee and Ad Hoc Committee appointments as presented by the President of the Board; and (2) ratified the Committee meeting dates/times for 2017.

AUTHORIZE STAFF ATTENDANCE AT MULTI-STATE SALINITY COALITION CONFERENCE, MARCH 1-3, 2017, LAS VEGAS

The Board authorized Charles Busslinger’s attendance at the Multi-State Salinity Coalition Conference to be held March 1-3, 2017 in Las Vegas.

END CONSENT CALENDAR

ACTION CALENDAR**CONSIDER REVISIONS TO ADMINISTRATIVE CODE**

President Osborne announced that proposed amendments to the Administrative Code were before the Board for consideration.

Upon MOTION by Director Barbre, seconded by Director Tamaribuchi, and carried (7-0), the Board approved revisions to Administrative Code Sections 1202 (Appointments/fill vacancy in Committee), and 1301 (Election of Officers), as presented. Directors Barbre, Dick, Finnegan, Osborne, Yoo Schneider, Tamaribuchi & Thomas voted in favor.

ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2017

President Osborne announced that the proposed appointments to the Associations and Commissions for 2017 were before the Board for consideration.

Upon MOTION by Director Yoo Schneider, seconded by Director Finnegan, and carried (7-0), the Board ratified the appointment of Representatives and Alternates to Associations, as recommended by the President of the Board; and upon MOTION by Director Thomas, seconded by Director Yoo Schneider, and carried (7-0), the Board adopted RESOLUTION NO. 2043 approving the appointment of Satoru Tamaribuchi as Representative and Karl Seckel as Alternate to the Santiago Aqueduct Commission (SAC), for submission to SAC. Said RESOLUTION NO. 2043 was adopted by the following roll call vote:

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

SELECTION OF CONSULTANT FOR 2016 MEMBER AGENCIES WATER QUALITY CONSUMER CONFIDENCE REPORT

President Osborne announced that the proposal to select Stetson Engineering for preparation of Water Quality Consumer Confidence Reports was before the Board for consideration.

General Manager Hunter explained that the write up was revised (subsequent to the Committee meeting) to reflect the four-year renewal option, as well as clarifying the past contract amounts (going back 5-6 years) with Stetson.

Director Barbre highlighted this item, noting that it is a valuable service the District provides to its agencies; he recommended this item come before the Board for approval each year. Director Dick concurred.

Upon MOTION by Director Barbre, seconded by Director Osborne, and carried (7-0), the Board awarded a contract to Stetson Engineering for preparation of Water Quality Consumer

Confidence Reports for one-year, in an amount not to exceed \$35,100, with the option to renew for four additional years, with the option of adjusting services and price for each subsequent year. This item is to be presented to the Board for approval each year.

INFORMATION CALENDAR

GENERAL MANAGER'S REPORT, FEBRUARY 2017

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

Director Barbre referenced an effort between staff and the Orange County Realtors staff (printing and distributing 89,000 water conservation door hangers to realtors in Orange County), suggesting staff also contact the Pacific West Association of Realtors; staff agreed to reach out.

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 reported that he attended the Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop Board and Regular Board meetings, and the Special Board Meeting. He also reported on attending the MWDOC MET Director meetings, the MET Committee and Board meetings, the ISDOC workshop and ISDOC Executive Committee meeting, a meeting with Dick Ackerman, the Rancho California Agricultural Conference, the OC Taxpayers Association meeting, and the Urban Water Institute Conference.

Director Finnegan advised that she attended the Planning & Operations, Administration & Finance, and the Public Affairs & Legislation Committee meetings, as well as the Special Board meeting (regarding the General Manager's performance evaluation), and the ISDOC Executive Committee meeting.

Director Barbre reported that he attended the following meetings in his capacity as MET Director: MWDOC MET Directors meeting (2), MWDOC Caucus meeting, the fourth Tuesday MET Committee day, the MET Local Infrastructure Inspection Trip, MET Caucus meeting, a meeting with Chairman Record, General Manager Kightlinger, Chief Financial Officer Breaux, and General Counsel Scully, as well as the MET Board and Committee days. For MWDOC he attended the Regular Board and Workshop Board meetings, the Special Board meeting on the General Manager's performance evaluation, the Planning & Operations, Administration & Finance, Executive and MWDOC/OCWD Joint Planning Committee meetings, as well as the Yorba Linda Water District Board meeting, the ISDOC luncheon, the Buena Park City Council meeting, and a meeting with Teri Sforza of the *OC Register*.

Director Tamaribuchi attended all scheduled MWDOC Board and Committee meetings in January/February (except the MWDOC/OCWD Joint Planning Committee meeting), a meeting with OC CoastKeepers re Delta issues, the South Coast Water District briefing on the Doheny Desalination Project, the WACO meeting, the Urban Water Institute Spring Conference, the OCBC Infrastructure Committee meeting, and a meeting with MET staff regarding the cost projections for the California Water Fix. He suggested MET present this information on the California Water Fix cost projections at an upcoming meeting. Mr. Tamaribuchi noted that he planned on attending the OCBC legislative trip to Sacramento in March to promote the California Water Fix.

Director Thomas reported on attending the MWDOC Regular Board meeting, the Special Board meeting (regarding the General Manager's performance evaluation), the Elected Officials Forum, the Administration & Finance, Public Affairs & Legislation, MWDOC/OCWD Joint Planning Committee, and Executive Committee meetings, the ISDOC luncheon, the City of Tustin Inaugural Mayor's event, the OC Water Summit planning meetings, the Rancho California Agricultural Conference, and the Urban Water Institute Conference.

Director Yoo Schneider advised that she attended the Planning & Operations, Administration & Finance, and Public Affairs & Legislation Committee meetings, the Workshop Board and Regular Board meetings, a meeting with Director Thomas, a meeting with Santa Margarita Water District, as well as the Santa Margarita Water District Strategic Planning meeting. She also reported on attending the South Coast Water District briefing regarding the Doheny Desalination Project, a meeting with UCI, a Poseidon meeting, a meeting with Dick Ackerman, the WACO meeting, the San Juan Basin Authority meeting, a Women in Water meeting (where she was featured speaker), and a meeting with MWDOC staff regarding the education program.

President Osborne reported that he attended the Workshop and Regular Board meetings, the Special Board meeting regarding the General Manager's performance evaluation, the Planning & Operations Committee, Administration & Finance, Public Affairs & Legislation, MWDOC/OCWD Joint Planning Committee, and Executive Committee meetings, the ISDOC luncheon and ISDOCL Planning Committee meetings, the WACO meeting, and the OC Water Summit Planning meetings.

Director Barbre then referenced the State Water Project facilities, noting the operations and maintenance by the Department of Water Resources is lacking; he suggested the Board discuss the potential for MET to assume the operations and maintenance responsibilities for the State Water Project. President Osborne suggested this issue be addressed during the Executive Committee's review of March agendas.

ADJOURNMENT

There being no further business to come before the Board, President Osborne adjourned the meeting at 9:00 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 & OPERATIONS COMMITTEE
February 6, 2017 – 8:30 am to 10:28 am
MWDOC Conference Room 101

P&O Committee:

Director Larry Dick
Director Joan Finnegan
Director Yoo Schneider

Staff:

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

Also Present:

MWDOC Director Wayne Osborne
MWDOC Director Brett Barbre
MWDOC Director Sat Tamaribuchi
MWDOC Director Jeff Thomas
Larry McKenney, MWDOC MET Director
Linda Ackerman, MWDOC MET Director
Doug Reinhart, Irvine Ranch Water District
Steve LaMar, Irvine Ranch Water District
Paul Cook, Irvine Ranch Water District
Adam Hutchinson, Orange County Water District
William Kahn, El Toro Water District
Liz Mendelson, San Diego Co. Water Authority
Ray Heimstra, OC Coastkeeper
Wayne Brown, SOC Economic Coalition
Joone Lopez, Moulton Niguel Water District
Tony Capitella, OCAR
Renae Hinchey, Laguna Beach County WD
Connor Everts, Environmental Water Caucus
Jim Leach, Santa Margarita Water District

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

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

Mr. Hunter noted that a Power Point presentation on the Reliability Study was distributed to the Board this morning and is available on the counter for the public.

The Planning & Operations Committee was adjourned to allow the full Board to take action on the following item; it was noted that the Committee would reconvene following this item. President Osborne then convened the full Board.

ACTION ITEMS

ADOPT RESOLUTION DECLARING “WATER SUPPLY WATCH – END OF EMERGENCY DROUGHT CONDITIONS”

Director Osborne introduced the item and requested comments from the public.

Mr. Wayne Brown spoke on behalf of the South Orange County Economic Coalition whose mission is to be instrumental in building a strong, regional economy and water is, of course, a vital component. Mr. Brown stated that South County residents and business increased their water conservation efforts, but that the State Board continues to send the message that we are in a drought emergency. He advised that MWDOC needs to send a strong message to the State Board, and the Coalition supports MWDOC’s resolution calling for an end to the drought emergency.

Mr. Ray Heimstra of OC Coastkeepers spoke in opposition to the resolution and asked MWDOC’s Board not to adopt a resolution. He stated that we’re in a five-year drought and these few months have not ended the five-year drought. Coastkeepers believes that we do have a long term drought situation and we need to continue to educate the public and he feels it’s too early for this.

Ms. Joone Lopez, General Manager, Moulton Niguel Water District, stated that MWDOC member agencies were not notified of this resolution, not allowing the member agencies enough time to consider this resolution which has broad implications. Ms. Lopez requested the opportunity to further discuss the ramifications (as some of the member agencies still have restrictions), and how to message customers that it will take more than a couple of months of rain to end the drought. She requested that MWDOC wait a couple of months to see how the winter season ends.

President Osborne stated that the intent today is to declare that the drought emergency is over not the conserving of water.

Mr. Tony Capitella, representing the Orange County Association of Realtors’ 15,000 members, stated that they want to support our resolution calling an end to the emergency drought but continuing to push long term conservation principles. Mr. Capitella urged the Board to support this resolution.

Ms. Renae Hinchey, General Manager, Laguna Beach County Water District, noted that she didn’t find out about the resolution until yesterday. As far as she knows, the member agencies were not made aware of the resolution so it’s a communication issue. Ms. Hinchey stated that LBCWD has been diligent about getting their customers to conserve--asking customers to water 2 days a week. They also have an Irrigation freeze where people agree to turn off irrigation from December to February. Ms. Hinchey would like the Board to hold off until we have communication with all member agencies.

Mr. Connor Everts of the Environmental Water Caucus stated that what the Board decides today has an impact on the region as well. He stated that the Colorado River remains severely low, and 16 out of 18 years we've had record lows. We were in a drought in 2009 and in 2010 and 2011, the reservoirs were full, but due to the continuation of the drought, the reservoirs have been drained. Mr. Everts stated further that this is a premature action and requested that we wait to see what happens at the State Board on Wednesday.

President Osborne apologized if all member agencies were not aware of the resolution but this is a timely issue as the State Board is reviewing it on Wednesday and the Board desires that our concerns be heard now.

Director Barbre stated that he initiated this request for a resolution ending the drought emergency at the Joint Board meeting on February 1 and there was a robust discussion. He stated that the State Board is totally focused on the demand side and those of us who live in Southern CA understand that you can't prevent droughts. He stated further that in 1990, we had a population of 14 million people in MET's service area and 2½ million acre feet of sales. By 2013 with a population of 19 million, we had 2.1 million acre feet of sales. We have become very efficient and have spent a tremendous amount of money to make ourselves drought-proof such as investing \$3 billion to build Diamond Valley Lake (DVL). We spent \$2 billion upgrading our treatment plants to operate at high-peak efficiency. Continuing these emergency regulations is a slap in the face. The rest of the state has not made the investments in infrastructure and we're being penalized for it. Director Barbre concluded by stating that this is a moderate resolution and the second "Resolved" is very clear that we continue the water supply watch. We know how to be good stewards of water in Southern California.

Director Dick stated that he believes the Resolution is the right thing to do. Local control concerns him and some local agencies will not be able to deliver water without raising rates if the emergency regulations are not taken away. Director Dick noted that through local control, MET invested in storage and has a 6 month supply of water in DVL. Further, that MET had already instituted their own conservation measures when the state decided to step up and focus their attention on water. He reiterated that although the State is still in a drought, it is not an emergency situation. He encouraged the adoption of the resolution ending the drought emergency and believes that the State should let our local governments make the decisions that are right for the people they serve.

Director Tamaribuchi stated that he'd vote in favor of this Resolution and requested that our Public Affairs Department prepare a news release that's very clear that we are acting on the issue of emergency and not on drought and will continue aggressively to conserve, as California drought is something we will always encounter.

Director Finnegan stated that she, too, will approve the Resolution.

Director Yoo Schneider remembers growing up in Southern California, that we're always in and out of drought and water conservation is a way of life. She stated that our customers are very well informed and they understand that emergencies are temporary. She believed our customers listen to the conservation messages and that the region has seen huge landscape transformations. As a society, we're greener than ever--people recycle; use water use efficient devices, convert their landscapes. Emergencies are temporary. Our

customers do understand—the landscape has changed--conservation is a way of life. This is our way of life. Director Yoo Schneider believes we should put that trust back into our public and let them know that we trust them, that they are listening to us and they're adopting conservation as a way of life as well.

Director Thomas noted that SDCWA has adopted a resolution as well. He is in favor of the Resolution, too, and would like us to continue to work on messaging.

Upon MOTION by Director Barbre, seconded by Director Dick, and carried (7-0), the Board adopted RESOLUTION NO. 2042 Declaring a "Water Supply Watch – End of Emergency Drought," by the following roll call vote:

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

Mr. Hunter reiterated that this Resolution does not declare the end of the drought but rather the end of emergency conditions. He believed that continuing to say we are in an emergency undermines our credibility with the public. He stated that the State Board is proposing that we stay in an emergency for another 270 days. Contrary to some of the public comments, this resolution was discussed on Wednesday, February 1, 2017 at the Workshop Board meeting, and also at the Water Use Efficiency meeting on February 2, 2017. Given this timeframe, the Board desired this be on an agenda prior to the State Board meeting on February 8, 2017. Mr. Hunter also pointed out that by staying in an emergency situation, the State can put in whatever regulations they want.

President Osborne thanked those who made public comments this morning and adjourned the Board meeting and turned the meeting back over to P&O Chair Dick and recommended that Director Yoo Schneider sit on the P&O Committee.

WEB HOSTING AND ANNUAL SUPPORT FOR THE CALIFORNIA SPRINKLER ADJUSTMENT NOTIFICATION SYSTEM

Director Dick introduced this item which is for annual web hosting and maintenance of the California Sprinkler Adjustment Notification System (CSANS) which will cost \$14,400. Director Yoo Schneider thanked Mr. Berg and his staff for being leaders with this program and further that she uses CSANS personally and it's a nice tool.

Upon MOTION by Director Yoo Schneider, seconded by Director Finnegan, and carried (3-0), the Committee recommended approval of Web Hosting and Annual Support for the CA Sprinkler Adjustment Notification System at the February 15, 2017 Board meeting. Directors Dick, Finnegan and Yoo Schneider all voted in favor.

REFINEMENTS TO THE TURF REMOVAL REBATE PROGRAM

Director Dick stated that this is a \$23,000 item which will add electronic signatures and processing of Spray-to-Drip rebates. Director Yoo Schneider abstained since this impacts Moulton Niguel Water District, her employer.

Upon MOTION by Director Finnegan, seconded by Director Dick, and carried (2-0), the Committee recommended approval of Web Hosting and Annual Support for the CA Sprinkler Adjustment Notification System at the February 15, 2017 Board meeting. Directors Dick and Finnegan voted in favor.

DISCUSSION ITEMS

UPDATE ON ISSUES ASSOCIATED WITH THE OC WATER RELIABILITY STUDY

Mr. Seckel provided an overview of the Reliability Study which is out there circulating and we've heard it cited in several venues. We are recommending that additional modeling and analysis be done. Another thing that evolved out of this is that we're looking at future potential LRP (Local Resources Project) we're recommended a selective process to fully evaluate the implications of each project. Mr. Seckel stated that we need to get "the best bang for the buck." Certain LRPs could have more benefits than others. Additional work needs to be done with MET and MET member agencies. Mr. Seckel stressed that it's imperative that we pay attention to what's happening at MET, what's happening with MET's member agencies, and what's happening in Orange County in order to make appropriate decisions. Local projects and water use efficiency investments will help with our future reliability.

Mr. Seckel discussed the gap (difference between supply and demand) analysis which looked pretty bleak without any new investments. In 8 of 10 years, we'd have shortages. The workgroup had many discussions regarding the CA Water Fix and it was a major part of the study effort. The CA Water Fix will make our future look a lot better. The CA Water Fix is a key to our future reliability and the Board has embraced that. It would reduce our shortages to 3 in 10 years (from 8 in 10 years) which is quite significant for one single project alone.

Mr. Seckel reported that we evaluated MET's Water Supply Allocation Plan and local supplies and water use efficiency will improve reliability in MET's service area on a one to one basis but there is a nuance—the agency that develops that local supply does not necessarily see the benefit of that supply during a drought on a one to one basis.

Mr. Seckel discussed the detailed modeling for the Study and the portfolio options. Portfolios are defined as "groups of projects" that could be implemented, by MET, MET member agencies or within Orange County. Six different portfolios were examined and the key projects within the Portfolios include: the CA Water Fix, Carson IPR; water transfers and fallowing in Central Valley and on the Colorado River by MET, and local projects by MET member agencies. The Study workgroup concluded that Orange County focus on Portfolio B for the next several years while promoting the CA WaterFix. Since Portfolios D, E and F are the most reliable, why not focus directly on F? And the reason is because we're trying to meet future demands without over-investing.

Mr. Seckel examined the OCWD supply and demand analysis and used the year 2040 and there were shortages 30% of the time. Note in OCWD service area the average shortage is 6300 acre feet. Further, in OCWD's service area, the Poseidon project would provide 56,000 acre feet of water from the ocean which would offset additional water purchases from MET. He noted that the issue with the project is still, "Who's paying for the project and who's receiving the benefit?" Staff believes the majority of benefits from the Poseidon project accrue to the MET service area. Integration and cost need to be developed.

Director Finnegan inquired about the Poseidon Huntington Beach Desalination Project and when they'd likely get their permit. Mr. Seckel responded that Poseidon thinks it will be by the end of 2017 but he thinks it will take longer than that.

Director Barbre then discussed storage and the fact that there's a limit on what we can move into the area in any given year. He still believes that having water stored within the MET service area is ideal. We are going to have growth and he believes that development and building more supplies is very important and questions why we aren't considering building a regional storage facility, another DVL say. Mr. Seckel agrees that emergency storage is needed but he's not convinced it should be surface supplies. Director Barbre still believes having water stored in Central CA is great but our preference should be in the MET service area so we can access it.

Mr. Reinhart complimented Karl and the working group and stated that he has done a lot of master planning and this is not an exact science. He believes that the reliability study is good and realizes that some of these projects are take or pay. Also, not all projects accomplish the same thing. The GWRS project didn't make South Orange County any more reliable at all, for example. Poseidon Project doesn't give us any more reliability than we have now either. Mr. Reinhart recommend that MWDOC follow the blueprint that's outlined in the Study.

INFORMATION ITEMS

UPDATE REGARDING STATUS OF LOCAL RESOURCES PROGRAM (LRP) PROJECTS

The report was received and filed.

UNTREATED FULL SERVICE/REPLENISHMENT WATER PURCHASES FOR THE ORANGE COUNTY BASIN IN CY 2016

Director Osborne has some concern about this issue. He stated that our reservoirs are filling up, our DVL is filling up, and our underground water basin is not filling up, and, it appears, there's no attempt to fill it up. He stated that OCWD has a policy that they strive for 75% to be taken out of the Basin for the Producers and there are two ways to fill it—buy water and put it in the basin or reduce the amount taken out. By reducing the amount from 75% to 70% reduces demand by 21,000 acre feet per year; and 100,000 acre feet in five years. He questioned whether there had been discussion about this. Mr. Hunter replied that OCWD has had discussions with the Producers on this and he reminded the Board that MWDOC is not the manager of the Basin and it's OCWD's Board's decision. In conclusion,

Director Osborne stated that OCWD is asking MWDOC to help develop the Poseidon project but he raised the question, How can we support that if they're not making any effort to bring up the groundwater deficiency? Director Osborne indicated that he wanted to discuss these issues with OCWD at our next joint meeting.

Director Barbre discussed the In-lieu program which does not exist anymore but it was a great program and there's litigation at MET that's tying our hands with respect to rate changes. Mr. Hunter added that there is no discount in the water any longer for in-lieu deliveries. MET's position is they have plenty of places to store the water so why would they sell it at a discount. This is one of the major issues OCWD wants us to work on.

Mr. Cook stated that it would be benefitting everyone in the basin to simply lower the BPP and everyone buys more MET water. IRWD has implored them to look at management tools. It's leading to large rate increase in the future.

Director Osborne stated that in the 90's when he was working for the City of Fountain Valley, OCWD didn't set the BPP until the beginning of the year and it ranged from 65 to 75%. As long as they had advanced notice, each agency could set their budgets accordingly.

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

The status reports were received and filed.

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

No information was presented.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 10:28 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 8, 2017 – 8:30 a.m. to 10:10 a.m.

MWDOC Conference Room 101

Committee Members:

Director Jeff Thomas, Chair
Director Joan Finnegan
Director Brett Barbre

Staff:

Robert Hunter, Karl Seckel, Harvey DeLaTorre,
Pat Meszaros, Cathy Harris,
Hilary Chumpitazi, Jonathan Volzke,
Pari Francisco

Also Present:

Director Megan Yoo Schneider
Director Wayne Osborne
Director Larry Dick
Director Sat Tamaribuchi
Linda Ackerman, MWDOC MET Director
Larry McKenney, MWDOC MET Director
Andrew Hamilton, Mesa Water
Doug Reinhardt, Irvine Ranch Water District
William Kahn, El Toro Water District
Mark Ronin, El Toro Water District
Gary Nguyen, County of Orange
Shari Freidenrich, County of Orange
John Earl
Debbie Cook

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

PUBLIC COMMENTS

Mr. Ray Heimstra with OC Coastkeepers spoke regarding Item #4, Committee and Resolution Options Relating to Joint/Consolidated Committee with OCWD and Desalination Projects. He expressed that this is driven by OCWD's desire for MWDOC to partner on the Poseidon Project. He stated that OC Coastkeepers are opposed to the Poseidon project and they don't want to see MWDOC involved in a joint resolution supporting the project. Further, he stated that Coastkeepers are not opposed to desalination and they support the Doheny Desal Project but they do not support the Poseidon Desal Project.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

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

Mr. Hunter reported that the PARS Statement was distributed to the Board this morning.

PRESENTATION BY THE COUNTY OF ORANGE REGARDING THE ORANGE COUNTY INVESTMENT POOL (OCIP)

Ms. Shari Freidenrich, Treasurer, and Gary Nguyen, Director of Investments, County of Orange attended the committee meeting today to provide the Board an update on OCIP. Ms. Freidenrich discussed the topics she'd cover, pooled investments, trends over the years and OCIP information important for MWDOC's due diligence on our funds.

Ms. Freidenrich reported that MWDOC's November 30, 2016 balance is \$14 million with \$10.7 million in OCIP. She then discussed historic review of yields and noted that currently yield is 0.78%. With regard to safety, she noted that 98% of MWDOC's investments are in the top two rated categories. 50% of all voluntary participants' funds are available within three days of request and pool administration costs are 6.5%, one of the lowest in the State.

Ms. Freidenrich discussed her responsibilities as Treasurer and noted that the County manages about \$9.5 billion, \$6 billion of which is property taxes. The treasurer is the Trustee/Fiduciary of public funds; she invests based on prudent practices.

Director Barbre inquired about the John Wayne Airport Portfolio to which Ms. Freidenrich responded that theirs is a separate pool that is more restrictive due to FAA requirements. Director Barbre suggested that it may be time to revisit that and make a change to which Ms. Freidenrich responded that Director Barbre was right in his thinking as they have been meeting to discuss just that with the new Director of John Wayne Airport.

Ms. Freidenrich discussed that they are very transparent and they are the most audited department in the County. Monthly investment reports, minutes, audit reports and other oversight reports are posted on-line monthly. Oversight includes in-house auditors and outside auditors. She stated that in the last three years, they've had no compliance exceptions.

Ms. Freidenrich reported that there are training opportunities available and they have a joint seminar coming up on cash handling procedures. These training opportunities are available at the same cost as to the County.

Director Dick inquired why there was a Single A investment as the County's goal is not to buy at A level. Ms. Freidenrich responded that it's Berkshire Hathaway and when it was acquired, it was AAA. There was then discussion of what determines whether it's held or sold.

Mr. Ronin inquired about inflows and outflows and whether she finds it challenging. Ms. Freidenrich responded that when property taxes come in, it may not be when you want to get in the market and stocks may be down. She noted further that they do have a cash manager who does their forecasting. Mr. Ronin asked if the portfolio was on line to which Ms. Freidenrich responded in the affirmative—it's at www.ocgov.com/ocinvestments

Director Barbre suggested that the County appoint an outside representative to the Oversight Committee. She agreed that it's important for those who have money invested to be represented on the Oversight Committee. Further that applications are open and they'd be honored to have a water district representative on the committee.

Director Thomas thanked Ms. Freidenrich and Mr. Nguyen for attending.

PROPOSED BOARD CONSENT CALENDAR ITEMS

TREASURER'S REPORT

- a. Revenue/Cash Receipt Report – December 2016
- b. Disbursement Approval Report for the month of January 2017
- c. Disbursement Ratification Report for the month of December 2016
- d. GM Approved Disbursement Report for the month of December 2016
- e. Water Use Efficiency Projects Cash Flow – December 31, 2016
- f. Consolidated Summary of Cash and Investment – November 2016
- g. OPEB Trust Fund monthly statement

FINANCIAL REPORT

- a. Combined Financial Statements and Budget Comparative for the Period ending December 31, 2016
- b. Quarterly Budget Review

Upon MOTION by Director Finnegan, seconded by Director Barbre, and carried (3-0), the Committee recommended the Treasurer's Report and the Financial Report for approval at the February 15, 2017 Board meeting. Directors Thomas, Finnegan and Barbre all voted in favor.

COMMITTEE AND RESOLUTION OPTIONS RELATING TO JOINT/ CONSOLIDATED COMMITTEE WITH OCWD AND DESALINATION PROJECTS

Chair Thomas advised that the proposal to evaluate Committee and Resolution options relating to a Joint/Consolidated Committee with OCWD on Desalination Projects was before the Committee for consideration.

Director Barbre stated that he's comfortable with the recommendation that came out of the January 19, 2017 Executive Committee meeting which was to use the MWDOC/OCWD Joint Planning Committee as the vehicle/committee to discuss desalination issues with OCWD (with no Resolution necessary); he suggested "desalination" be placed on every MWDOC/OCWD Joint Planning Committee agenda.

Director Osborne emphasized that there is no action taken at the MWDOC/OCWD Joint Planning Committee; that it is an informational meeting. Director Barbre clarified that both boards discuss and then give direction to their respective staffs.

Mr. Swan requested that refilling the basin be placed on each agenda as well. Mr. Hunter stated that one of OCWD's priorities is working on the replenishment water in the basin and we have been discussing with MET staff different ways we can refill the basin.

Mr. Earl commented that he thought MWDOC was being dismissive about Mr. Swan's request. Mr. Hunter made it clear that MWDOC deals with imported water and we do not

make decisions about filling the basin. Further, that water is available but it's up to OCWD whether they buy it.

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Committee recommended the Board designate the MWDOC/OCWD Joint Planning Committee to act as the vehicle/committee to discuss desalination issues with OCWD and place "desalination" as a regular agenda item on that Committee; with no Resolution necessary. This item will be placed on the February 15, 2017 Board agenda for consideration. Directors Thomas, Finnegan and Barbre all voted in favor.

CONSIDER REVISIONS TO THE ADMINISTRATIVE CODE

Mr. Thomas introduced this item. Mr. Hunter stated that staff received requests for potential changes to the Administrative Code; these Sections are outlined below.

- (a) Sections 1200-1211 (Committees);

The Committee did not recommend any changes to Section 1200 at this time.

- (b) Section 1301 (Timing of Election of Officers);

The Committee recommended Administrative Code Section 1301 be revised to move the election of officers to December, in an effort to coordinate with the new requirement that Directors take office on the first Friday in December (rather than in January).

- (c) Section 1307(8) (Process for Removing and Adding Items to/from Board or Committee agendas);

The Committee discussed the current process of removing/adding items to and from Board and/or Committee agendas, which is as follows: The Executive Committee reviews and adds/deletes items from upcoming agendas. As changes are made during the month, the Committee Chair is notified of these potential changes by staff. Although Administrative Code Section 1307(8) states that the General Manager or his designee has the authority to remove or prohibit an item that has passed through a Committee from being presented to the full Board (only with the concurrence of the Committee Chair), the General Manager, in practice, also seeks concurrence from the Board President.

Director Barbre stated that he would prefer to see an item go to the full Board once it has passed through Committee, and, if necessary, the item could be pulled from the agenda at the request of a Board member.

Director Dick commented that, at this point, he would prefer the process to remain as is, as he believes it provides the opportunity to develop agendas in a time efficient manner and allows the flexibility to make adjustments as needed. He suggested this issue be re-evaluated in the event there is an abuse of process. Director Barbre advised that he would agree, with the understanding this issue could be re-evaluated if necessary.

Following discussion, the Committee recommended no changes to Section 1307(8) at this time.

- (d) (Appointments to Committee upon Vacancy in Committee (due to election).

The Committee recommended Administrative Code Section 1202 be revised to allow the President the authority to appoint Committee replacement members in the event a vacancy occurs on a Committee, and that such replacement shall be ratified by the Board.

Upon MOTION by Director Barbre, seconded by Director Thomas, and carried (3-0), the Committee recommended no changes to (a) and (c) above, and the recommended changes as outlined to (b) and (d) above. This item will be presented to the Board on February 15, 2017 for consideration.

STANDING COMMITTEE AND AD HOC COMMITTEE APPOINTMENTS FOR 2017; SCHEDULE OF COMMITTEE MEETING DATES FOR 2017

Director Barbre requested replacing himself on the PAL Committee with Director Yoo Schneider. He also volunteered to sit on the Water Summit Committee next year.

Upon MOTION by Director Barbre, seconded by Director Thomas, and carried (3-0), the Committee recommended that Standing Committee and Ad Hoc Committee Appointments for 2017; Schedule of Committee Meeting Dates for 2017 (as revised) be approved at the February 15, 2017 Board meeting. Directors Thomas, Finnegan and Barbre all voted in favor.

ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2017

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Committee recommended that Standing Committee and Ad Hoc Committee Appointments for 2017; Schedule of Committee Meeting Dates for 2017 be approved at the February 15, 2017 Board meeting. Directors Thomas, Finnegan and Barbre all voted in favor.

AUTHORIZE STAFF ATTENDANCE AT MULTI-STATE SALINITY COALITION CONFERENCE, MARCH 1—3, 2017, LAS VEGAS

Upon MOTION by Director Barbre, seconded by Director Thomas, and carried (3-0), the Committee recommended authorizing staff attendance at the Multi-State Salinity Coalition Conference, March 1-3, 2017, in Las Vegas be approved at the February 15, 2017 Board meeting. Directors Thomas, Finnegan and Barbre all voted in favor.

SELECTION OF CONSULTANT FOR MEMBER AGENCIES 2016 WATER QUALITY CONSUMER CONFIDENCE REPORT

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Committee recommended that Selection of Consultant for Member Agencies' 2016 Water Quality Consumer Confidence Reports be approved at the February 15, 2017 Board meeting. Directors Thomas, Finnegan and Barbre all voted in favor.

INFORMATION ITEMS**2016 REBATE PROGRAM –1099 MISC FILING**

Director Barbre stated that Senator Feinstein was seeking a fix for this but it did not come through. The Committee received and filed the report.

LEGAL AND PROFESSIONAL SERVICES OPEN PURCHASE ORDERS

The Committee received and filed the report.

CONCEPTUAL FY 2017-18 BUDGET REVIEW

Director Barbre noted that staff is going to try to align our holidays with MET's to which Mr. Hunter amended that we are not trying to align with MET but rather go the common practice of the Fed, State, County and MET of 12 holidays rather than 11. The Committee received and filed the report.

SEMI-ANNUAL OVERTIME REPORT**ANNUAL AUTO ALLOWANCE REPORT****ANNUAL REVIEW OF COASTAL MUNICIPAL WATER DISTRICT ISSUES****SOLE SOURCE CONTRACT WITH JARVIS CONSTRUCTION**

The reports were received and filed.

DEPARTMENT ACTIVITIES REPORTS

- a. Administration
- b. Finance and Information Technology

The reports were received and filed without comment.

MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

No information was presented.

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

No information was presented.

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
EXECUTIVE COMMITTEE
February 16, 2017, 8:30 a.m. to 10:00 a.m.
Conference Room 102

Committee:

Director Osborne, President
Director Barbre, Vice President
Director Dick

Staff:

R. Hunter (absent), M. Goldsby,
K. Seckel, H. De La Torre

Also Present:

Director Tamaribuchi
Director Finnegan

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

No items were presented.

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 March 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.

The Committee discussed potential agenda items and recommended the following items be placed on an upcoming agenda: (1) MET Proposed Fixed Treatment Charge (on the March 6th Planning & Operations Committee meeting agenda), and (2) Operations and Maintenance of the State Water Project.

Discussion was held regarding the pros/cons of MET/State Contractors taking responsibility for the Operations and Maintenance of the State Water Project as well as the construction of the California WaterFix and it was suggested this topic be placed on the April Workshop Board meeting agenda.

a. Workshop Board Meeting

It was noted that the March meeting was cancelled (due to lack of quorum).

b. Planning & Operations Committee Meeting

A discussion on the Fixed Treatment Surcharge was added to the agenda.

c. Administration & Finance Committee

No new items were added to the agenda, however Committee discussed the request to authorize assistance with the Records Management System, with staff advising that the request was for assistance with scanning records, but would report back if there was more to it.

Committee also discussed the sole source contract with Pitman Designs, with staff advising that they will be used to help with design concepts, starting with the back hallway job, and carried through the other interior space renovations in the office (to maintain consistency).

Discussion was also held regarding legal counsel services and whether an RFP was issued; staff advised they would follow up with the General Manager.

d. Public Affairs & Legislation Committee

The Committee discussed the request to convene a working group to help obtain federal funding, and suggested the PAL Committee evaluate whether this is a worthwhile effort.

The Committee also discussed the Boy Scout merit badge sponsorship, highlighting the need to also reach out to the Girl Scouts; staff advised that both staff and Director Yoo Schneider have reached out to the Girl Scouts.

The discussion then turned to the District's *Ecurrents* newsletter, its purpose and target audience. The Committee suggested staff develop a plan to better improve the publication and its impact to those receiving it. Staff advised that the newly hired Director of Public Affairs, Damon Micalizzi, is in the process of doing so.

e. Executive Committee

No new items were added to the agenda.

DISCUSSION REGARDING UPCOMING ACTIVITIES OF SIGNIFICANCE

Staff updated the Committee with respect to the Orange County Flood Control District's (OCFCD) proposed Right of Entry and Use Agreement, which would impose an annual use fee for utility facilities that cross or encroach upon OCFCD property, and have communicated with the County Legal Counsel that it is our belief that OCFCD lacks the legal authority to impose the fee. Mr. Seckel noted that several agencies met with OCFCD recently and agreed to disagree on the legal issue, noting that the OCFCD presented an

alternative proposal, namely to spend \$30 million on annual maintenance (\$88,000 per mile of channel) of which OCFCD would ask for 10% reimbursement (\$8,800) through a voluntary process. The Committee discussed and expressed concern with this alternative proposal, suggesting the District oppose this concept. President Osborne asked that staff verify Southern California Edison's policy for easement crossings through their property.

Staff then highlighted a request for an unbudgeted sponsorship from California Water Policy 26 and following discussion by the Committee, it was recommended that the Board consider approving attendance at the conference, however any potential sponsorship should be addressed during the FY 2017-18 budget discussions. It was noted that approval of attendance would be presented to the Administration & Finance Committee.

Director Dick suggested considering a Sponsorship Fund for the upcoming budget for potential sponsorships as they come up during the year.

MEMBER AGENCY RELATIONS

Staff also presented information regarding the water supply conditions as they relate to MET's availability of water to store in local basins, noting that discussions are underway with MET staff and OCWD staff regarding this matter. The Committee requested this item be placed on the MWDOC/OCWD Joint Planning Committee agenda (in March) for further discussion. Director Dick commented that it may be prudent to evaluate whether MWDOC could purchase water to store in the basin.

GENERAL MANAGER'S REPORTS

Mr. De La Torre presented Kelly Hubbard's late Business Expense Report for consideration by the Committee; the Committee approved the Business Expense Report.

REVIEW AND DISCUSS DISTRICT AND BOARD ACTIVITIES

No new information was presented.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 10:00 a.m.

**Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
February 2017**

WATER REVENUES

Date	From	Description	Amount
02/03/17	City of Brea	December 2016 Water deliveries	25,986.01
02/07/17	City of La Palma	December 2016 Water deliveries	74,484.53
02/10/17	South Coast Water District	December 2016 Water deliveries	368,234.31
02/10/17	City of Garden Grove	December 2016 Water deliveries	56,023.19
02/13/17	El Toro Water District	December 2016 Water deliveries	447,273.58
02/14/17	Santa Margarita Water District	December 2016 Water deliveries	1,435,386.15
02/14/17	East Orange County Water District	December 2016 Water deliveries	78,850.37
02/14/17	City of Orange	December 2016 Water deliveries	52,411.11
02/15/17	Laguna Beach County Water District	December 2016 Water deliveries	91,869.98
02/15/17	Orange County Water District	December 2016 Water deliveries	4,447.53
02/15/17	City of Newport Beach	December 2016 Water deliveries	153,396.02
02/15/17	City of San Juan Capistrano	December 2016 Water deliveries	406,777.05
02/15/17	City of Westminster	December 2016 Water deliveries	165,812.62
02/15/17	Irvine Ranch Water District	December 2016 Water deliveries	764,901.07
02/15/17	Santiago Aqueduct Commission	December 2016 Water deliveries	150,282.00
02/15/17	Moulton Niguel Water District	December 2016 Water deliveries	1,576,314.40
02/15/17	Yorba Linda Water District	December 2016 Water deliveries	354,285.72
02/15/17	Golden State Water Company	December 2016 Water deliveries	326,287.50
02/21/17	Golden State Water Company	January 2017 Water deliveries	158,890.38
TOTAL REVENUES			\$ 6,691,913.52

Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
February 2017

MISCELLANEOUS REVENUES

Date	From	Description	Amount
02/02/17	Paypal	ISDOC luncheon - 1/26/17	734.76
02/28/17	Paypal	Water Policy 3/30/17	1,626.48
02/13/17	City of Orange	Addition to Choice School program FY 16-17	782.00
02/17/17	City of Tustin	Addition to the Choice School program FY 16-17	1,884.62
02/27/17	US Bank	CAL Card rebate Check	567.72
02/08/17	County of Orange	CESA Annual Training & Conference reimbursement	1,511.57
02/13/17	Moulton Niguel Water District	Dec 2016 So Cal Watersmart Res rebate program	4,000.00
02/15/17	Irvine Ranch Water District	Dec 2016 So Cal Watersmart Res rebate program	9,075.00
02/15/17	Irvine Ranch Water District	Dec 2016 So Cal Watersmart Res rebate program	658.00
02/17/17	El Toro Water District	Dec 2016 So Cal Watersmart Res rebate program	15.00
02/24/17	City of San Clemente	Dec 2016 So Cal Watersmart Res rebate program	125.00
02/27/17	Santa Margarita Water District	Dec 2016 So Cal Watersmart Res rebate program	25.00
02/21/17	Moulton Niguel Water District	December 2016 Turf Removal rebate program	1,495.00
02/21/17	Moulton Niguel Water District	December 2016 Turf Removal rebate program	30,159.00
02/21/17	Moulton Niguel Water District	Electricity at Service Connection OC-79	6,800.00
02/08/17	City of Orange	FY 15-16 O & M Costs of the EOCF #2	20,851.74
02/10/17	City of San Clemente	FY 15-16 O & M Costs of the EOCF #2	1,779.42
02/10/17	South Coast Water District	FY 15-16 O & M Costs of the EOCF #2	1,581.71
02/14/17	East Orange County Water District	FY 15-16 O & M Costs of the EOCF #2	25,842.76
02/16/17	Laguna Beach County Water District	FY 15-16 O & M Costs of the EOCF #2	2,965.70
02/21/17	City of San Juan Capistrano	FY 15-16 O & M Costs of the EOCF #2	29,656.98
02/21/17	Moulton Niguel Water District	FY 15-16 O & M Costs of the EOCF #2	88,970.95
02/22/17	City of Newport Beach	FY 15-16 O & M Costs of the EOCF #2	12,491.42
02/22/17	Santa Margarita Water District	FY 15-16 O & M Costs of the EOCF #2	35,779.93
02/02/17	Orange County Water District	FY 16-17 County Wide Communication choice program	2,000.00
02/03/17	City of Brea	FY 16-17 County Wide Communication choice program	2,965.07
02/06/17	City of La Habra	FY 16-17 County Wide Communication choice program	3,351.96
02/06/17	Santa Margarita Water District	FY 16-17 County Wide Communication choice program	5,477.87
02/10/17	City of Buena Park	FY 16-17 County Wide Communication choice program	3,813.66
02/10/17	City of Tustin	FY 16-17 County Wide Communication choice program	3,395.06
02/13/17	Irvine Ranch Water District	FY 16-17 County Wide Communication choice program	2,000.00
02/14/17	East Orange County Water District	FY 16-17 County Wide Communication choice program	2,071.69
02/15/17	City of Newport Beach	FY 16-17 County Wide Communication choice program	3,441.42
02/16/17	Yorba Linda Water District	FY 16-17 County Wide Communication choice program	3,657.33
02/17/17	City of Garden Grove	FY 16-17 County Wide Communication choice program	5,912.72
02/17/17	City of Huntington Beach	FY 16-17 County Wide Communication choice program	6,357.53
02/24/17	City of San Clemente	FY 16-17 County Wide Communication choice program	3,119.16
02/27/17	City of Seal Beach	FY 16-17 County Wide Communication choice program	2,529.32
02/08/17	County of Orange	Intl Assoc Emergency Mgmt Conference reimbursement	2,792.22
02/27/17	Metropolitan Water District	Jul-Oct 2016 Final FAFP Doheny Slant Well	50,113.29
02/21/17	Metropolitan Water District	Jul-Oct 2016 Final FAFP San Juan Basin Authority	59,045.34
02/10/17	Laura Loewen	Movie tickets	51.00
02/15/17	Irvine Ranch Water District	November 2016 Smart Timer rebate program	1,180.97
02/15/17	Irvine Ranch Water District	November 2016 So Cal Watersmart Res rebate program	23,430.00
02/15/17	Irvine Ranch Water District	November 2016 So Cal Watersmart Res rebate program	3,838.00
02/08/17	Irvine Ranch Water District	November 2016 Turf Removal rebate program	17,635.41
02/08/17	Irvine Ranch Water District	November 2016 Turf Removal rebate program	195.00
02/10/17	Maribeth Goldsby	Reimb for delivery charges	28.63
02/06/17	Santa Margarita Water District	Reimb of rebates paid in excess of eligibility	798.00
02/06/17	Santa Margarita Water District	Reimb of rebates paid in excess of eligibility	11,001.00
02/06/17	Santa Margarita Water District	Reimb of rebates paid in excess of eligibility	502.00
02/17/17	City of Huntington Beach	Solar Cup payment made in error	2,500.00

TOTAL MISCELLANEOUS REVENUES \$ 502,583.41
TOTAL REVENUES \$ 7,194,496.93



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of March 2017**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
Core Expenditures:		
	Richard C. Ackerman	
1126	January 2017 Consulting for legal & regulatory matters	2,050.00
1128	February 2017 Consulting for legal & regulatory matters	2,800.00
	*** Total ***	4,850.00
	Aleshire & Wynder LLP	
40672	January 2017 Legal services	397.50
	*** Total ***	397.50
	Allison Mechanical, Inc.	
66597	February 2017 Services to repair air conditioning unit for computer server room	1,162.50
	*** Total ***	1,162.50
	ALTA FoodCraft	
517020922	2/7/17 Coffee & tea supplies	264.02
	*** Total ***	264.02
	Best Best and Krieger LLP	
55401-JAN17	January 2017 Legal services	13,031.31
790340	January 2017 State legislative advocacy services	8,037.78
	*** Total ***	21,069.09
	Board of Equalization	
2016	2016 Sales tax on purchases	634.71
	*** Total ***	634.71
	CDM Smith	
90008881	11/27/16-1/14/17 Engineering services for Orange County Water Reliability Investigation	12,692.50
	*** Total ***	12,692.50
	Consolidated Office Systems	
28814	Tack board and LED task light	381.44
	*** Total ***	381.44
	CSU Fullerton ASC	
AR166189	3rd Quarter FY 16/17 Center for Demographic Research support	9,992.88
AR166255	Center for Demographic Research services to provide high school enrollments, historic population estimates, parcel-level water usage and 4 maps displaying progressive growth of Irvine Ranch Water District	2,379.54
	*** Total ***	12,372.42
	Fry's Electronics	
21835000	2/15/17 Computer supplies	87.22
21842672	2/20/17 Computer supplies	149.44
	*** Total ***	236.66

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of March 2017**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Gladwell Governmental Services, Inc.</i>	
3638	2/3/17 & 2/8/17 Records management services	900.00
	*** Total ***	900.00
	<i>Humanscale Corporation</i>	
2263084	Freedom Task Chair with Headrest	597.62
	*** Total ***	597.62
	<i>Immersiv Media, Inc.</i>	
020(MWDOC2017)	January-March 2017 MWDOC website hosting & maintenance	525.00
	*** Total ***	525.00
	<i>James C. Barker, P.C.</i>	
105-0217	February 2017 Federal legislative advocacy services	8,000.00
	*** Total ***	8,000.00
	<i>Karen's Detail Custom Frames</i>	
2880	Custom framing for resolution for F. Spivy-Weber	120.68
	*** Total ***	120.68
	<i>Kustom Imprints</i>	
24123	Public Affairs embroidered jacket for Public Affairs staff	72.72
	*** Total ***	72.72
	<i>L. A. Design Studio</i>	
4777	January-February 2017 Services to redesign MWDOC website	9,300.00
	*** Total ***	9,300.00
	<i>Lewis Consulting Group, LLC</i>	
2017-110	February 2017 Consulting services	4,000.00
	*** Total ***	4,000.00
	<i>Edward G. Means III</i>	
MWDOC-1046	February 2017 Support for MET issues & guidance to Engineering staff	1,511.77
	*** Total ***	1,511.77
	<i>Matrix Imaging Products, Inc.</i>	
0217-2815	February 8-24, 2017 Services for on site scanning for records management project	1,296.00
	*** Total ***	1,296.00
	<i>Metropolitan Water District of S.C.</i>	
2017	2017 National Water Resources Association annual membership renewal	500.00
	*** Total ***	500.00
	<i>Moulton Niguel Water District</i>	
1385244	Sponsorship for F. Spivy-Weber's retirement event	500.00
	*** Total ***	500.00

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of March 2017**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	Norco Delivery Services	
708346	2/3/17 Delivery charges for Board packets	116.85
708485	2/16/17 Delivery charges for Board packets	75.88
	*** Total ***	192.73
	Office Solutions	
I-01106012	2/3/17 Office supplies	122.50
I-01106431	1,500 Large envelopes	350.17
I-01107210	2/7/17 Office supplies	154.90
I-01107309	2/7/17 Office supplies	107.67
I-01107625	2/7/17 Office supplies	17.75
I-01107674	2/7/17 Office supplies	286.38
I-01109867	1 Bookcase with installation for Principle Engineer office	366.35
I-01111954	2/14/17 Office supplies	123.70
I-01112632	2/15/17 Office supplies	5.76
I-01112788	2/15/17 Copy paper	213.35
I-01114363	2/17/17 Office supplies	139.18
I-01115584	2/22/17 Office supplies	64.63
I-01120698	3/1/17 Office supplies	99.56
	*** Total ***	2,051.90
	County of Orange	
R775	11/8/16 General Election fees for Division 4	177,078.23
R776	11/8/16 General Election fees for Division 6	169,590.63
R777	11/8/16 General Election fees for Division 7	174,908.75
	*** Total ***	521,577.61
	Orange County Fast Print, Inc.	
54103	Business cards for B. Fahl	58.88
54170	Business cards for R. Waite	58.88
54216	Business cards for M. Conway	58.88
	*** Total ***	176.64
	Orange County Water District	
17209	January 2017 50% share of WACO expense	274.89
17220	January 2017 Postage, shared office & maintenance expense	6,721.13
	*** Total ***	6,996.02
	Patricia Kennedy Inc.	
21159	February 2017 Plant maintenance	214.00
21199	March 2017 Plant maintenance	214.00
	*** Total ***	428.00
	Petty Cash	
022817	January-February 2017 Petty Cash reimbursement	115.94
	*** Total ***	115.94

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of March 2017**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Quick Signs & Graphics</i>	
46356	2 Water conservation banners for community events	144.39
	*** Total ***	144.39
	<i>Spectrum Business Centers</i>	
185031	3/19/17-3/19/18 Maintenance for Ricoh color copier	350.00
	*** Total ***	350.00
	<i>SPS Data Communications</i>	
00021711	Services to transfer servers to new enclosed cabinets	926.00
00031702	Services to add 24 port panel to server room	230.00
	*** Total ***	1,156.00
	<i>Staffing Network, LLC</i>	
95694284	2/6/17-2/12/17 Temporary help for scanning records and front desk coverage	901.68
95694752	2/13/17-2/19/17 Temporary help for scanning records and front desk coverage	1,843.14
	*** Total ***	2,744.82
	<i>U. S. HealthWorks Medical Group</i>	
3056975-CA	1/18/17 Pre-employment exam	173.00
	*** Total ***	173.00
	<i>Water Systems Optimization, Inc.</i>	
1124	January 2017 Water Loss Control program	4,472.97
	*** Total ***	4,472.97
	<i>Total Core Expenditures</i>	621,964.65
 <i>Choice Expenditures:</i>		
	<i>Bryton Printing Inc.</i>	
13275	89,000 Door hangers to promote washer rebates and conservation tips	4,578.86
	*** Total ***	4,578.86
	<i>Discovery Science Center</i>	
013117MWDOC	January 2017 for School program	28,178.16
	*** Total ***	28,178.16
	<i>California Newspaper Partnership</i>	
0061990003-013117	Services to create an Orange County Water magazine with 1,000 copies printed	42,000.00
	*** Total ***	42,000.00
	<i>Orange County Department of Education</i>	
94KI2874	September-December 2016 High School program	23,700.00
	*** Total ***	23,700.00

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of March 2017**

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	Orange County Water District	
17220	January 2017 Postage for Water Use Efficiency rebates	1,825.18
	*** Total ***	1,825.18
	Top Hat Productions	
92536	2/2/17 Lunch for Water Use Efficiency Workgroup meeting	531.64
	*** Total ***	531.64
	Total Choice Expenditures	<hr/> 100,813.84
Other Funds Expenditures:		
	Geoscience Support Services	
15025-16-09	January 2017 Doheny Ocean Desal Slant Well decommissioning	35,195.50
	*** Total ***	35,195.50
	Laguna Beach County Water District	
LB022117	January 2017 Smart Timer Distribution program	320.00
	*** Total ***	320.00
	Mission RCD	
2180	January 2017 Field verifications for rebate programs	28,525.40
	*** Total ***	28,525.40
	Office Solutions	
I-01106012	2/3/17 Office supplies for WEROC	16.04
	*** Total ***	16.04
	Regents of the University of California at Irvine	
K909595A	Rebate incentive for Industrial Process program	6,500.00
	*** Total ***	6,500.00
	Water Systems Optimization, Inc.	
1124	January 2017 Water Loss Control program	18,996.02
	*** Total ***	18,996.02
	Total Other Funds Expenditures	<hr/> 89,552.96
	Total Expenditures	<hr/> <hr/> 812,331.45

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of February 2017**

<i>Check #</i>	<i>Date</i>	<i>Invoice/CM #</i>	<i>Description</i>	<i>Vendor #</i>	<i>Name / Net Amount</i>
Core Disbursements:					
136437	2/8/17	TIMEWA 5210-FEB17	Time Warner Cable February 2017 Telephone and internet expense ***Total ***		1,274.70 1,274.70
136438	2/8/17	VERIZO 9779230771	Verizon Wireless January 2017 4G Mobile broadband unlimited service ***Total ***		114.03 114.03
136447	2/15/17	HOMED1 7785-JAN17	Home Depot Credit Services 1 Dewalt drill/driver and office supplies ***Total ***		212.19 212.19
136449	2/15/17	IRONMO NLL0515	Iron Mountain February 2017 Archived document storage fees ***Total ***		372.03 372.03
136456	2/15/17	TAMARI 013117	Satoru Tamaribuchi January 2017 Business expense ***Total ***		137.54 137.54
136457	2/15/17	TIMEWA 3564-FEB17	Time Warner Cable February 2017 Telephone expense for 3 analog fax lines ***Total ***		107.37 107.37
ACH002380	2/15/17	ACKEEX 013117	Linda Ackerman January 2017 Business expense ***Total ***		74.90 74.90
ACH002382	2/15/17	BAEZHE 013117	Heather Baez December 2016-January 2017 Business expense ***Total ***		223.48 223.48
ACH002383	2/15/17	BERGJO 013117	Joseph Berg January 2017 Business expense ***Total ***		242.21 242.21
ACH002386	2/15/17	BUSSLI 013117	Charles Busslinger January 2017 Business expense ***Total ***		212.71 212.71
ACH002390	2/15/17	DICKEX 013117	Larry Dick January 2017 Business expense ***Total ***		133.78 133.78

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of February 2017**

<i>Check #</i>	<i>Date</i>	<i>Invoice/CM #</i>	<i>Description</i>	<i>Vendor #</i>	<i>Name / Net Amount</i>
ACH002391	2/15/17	FINNEG	Joan Finnegan		
		013117	January 2017 Business expense		58.77
			***Total ***		58.77
ACH002397	2/15/17	LOEWEN	Laura Loewen		
		013117	January 2017 Business expense		145.94
			***Total ***		145.94
ACH002399	2/15/17	SCHNEI	Megan Yoo Schneider		
		013117	January 2017 Business expense		391.04
			***Total ***		391.04
ACH002416	2/15/17	THOMAS	Jeffery Thomas		
		013117	January 2017 Business expense		147.66
			***Total ***		147.66
136558	2/28/17	RAESAR	Sarah Rae		
		020117	February 2017 Business expense		33.22
			***Total ***		33.22
136563	2/28/17	USBANK	U.S. Bank		
		4140/5443-JAN17	12/21/16-1/23/17 Cal Card charges		16,654.62
			***Total ***		16,654.62
			(See attached sheet for details)		
136564	2/28/17	VOLZKE	Jonathan Volzke		
		022717	February 2017 Business expense		118.78
			***Total ***		118.78
136565	2/28/17	WAITER	Rachel Waite		
		021017	February 2017 Business expense		30.14
			***Total ***		30.14
ACH002419	2/28/17	BAUMHA	Melissa Baum-Haley		
		013117	January 2017 Business expense		120.10
			***Total ***		120.10
Total Core Disbursements					20,805.21

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of February 2017**

Check #	Date	Invoice/CM #	Description	Vendor #	Name / Net Amount
Choice Disbursements:					
ACH002383	2/15/17	BERGJO 013117	Joseph Berg January 2017 Business expense		60.48
			***Total ***		60.48
			Total Choice Disbursements		60.48
Other Funds Disbursements:					
136438	2/8/17	VERIZO 9779230771	Verizon Wireless January 2017 4G Mobile broadband unlimited service		38.01
			***Total ***		38.01
136443	2/15/17	ATTUVEOC 8599-FEB17	AT&T February 2017 U-verse internet service for WEROC N. EOC		55.00
			***Total ***		55.00
ACH002383	2/15/17	BERGJO 013117	Joseph Berg January 2017 Business expense		4.50
			***Total ***		4.50
ACH002398	2/15/17	MESAWA 9085	Mesa Water December 2016 Credit for Local Resources program		44,196.07
			***Total ***		44,196.07
		TURFRP	Turf Removal Program		
136461	2/24/17	TR8-R-IRWD-7277-7204	R. Mallay		2,196.00
136462	2/24/17	TR8-R-IRWD-8005-7967	J. Nguyen		588.00
136463	2/24/17	TR8-R-IRWD-7422-7370	T. Pham		1,314.00
136464	2/24/17	TR8-R-IRWD-7352-7305	K. Chiang		1,006.00
136465	2/24/17	TR8A-R-IRWD-7899-7864	L. Maresca		590.00
136466	2/24/17	TR8-R-IRWD-7640-7603	S. Davis		2,872.00
136467	2/24/17	TR8-R-IRWD-7362-7316	S. Grossman		806.00
136468	2/24/17	TR9A-R-MNT-8008-7970	C. White		848.79
136469	2/24/17	TR8-R-IRWD-8033-7997	C. Rapp		1,124.00
136470	2/24/17	TR8-R-IRWD-8038-8002	R. Mahkorn		1,150.00
136471	2/24/17	TR8-R-IRWD-7461-7421	C. Kim		3,418.00
136472	2/24/17	TR8-R-IRWD-7545-7505	H. Wyle		2,676.00
136473	2/24/17	TR8-R-IRWD-7940-7905	T. Enomoto		596.00
136474	2/24/17	TR8A-R-IRWD-7872-7839	M. Boyce		1,322.00
136475	2/24/17	TR9-R-MNT-7876-7843	M. Burgi		624.00
136476	2/24/17	TR8-R-IRWD-8072-8037	S. Lee		834.00
136477	2/24/17	TR8-R-IRWD-8078-8043	B. Dacquay		1,824.00
136478	2/24/17	TR8-R-IRWD-7631-7594	D. Antenesse		1,932.00
136479	2/24/17	TR8-R-IRWD-7630-7593	B. Gero		724.00

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of February 2017**

<i>Check #</i>	<i>Date</i>	<i>Invoice/CM #</i>	<i>Description</i>	<i>Vendor #</i>	<i>Name / Net Amount</i>
136480	2/24/17	TR8-R-IRWD-946-884	J. Vondran		1,110.00
136481	2/24/17	TR8-R-IRWD-7524-7485	S. Jacobson		1,168.00
136482	2/24/17	TR8-R-IRWD-4873-4798	L. Coombs		4,828.00
136483	2/24/17	TR8-R-IRWD-7408-7360	T. Kwon		897.90
136484	2/24/17	TR8-R-IRWD-5130-5062	B. Burrows		2,186.00
136485	2/24/17	TR9-R-MNT-7718-7676	K. Vaiaicca		1,020.00
136486	2/24/17	TR8-R-IRWD-5236-5164	E. Espinosa		3,468.00
136487	2/24/17	TR9-R-MNT-7654-7615	M. Morcos		1,902.00
136488	2/24/17	TR8-R-IRWD-6277-6204	Q. Bui		1,564.00
136489	2/24/17	TR8-R-IRWD-7516-7477	R. Lucchese		1,296.00
136490	2/24/17	TR8-R-IRWD-7477-7442	M. Sharvini		2,066.00
136491	2/24/17	TR8-R-ETWD-7785-7742	M. Cacace		2,308.00
136492	2/24/17	TR8-R-IRWD-7395-7348	M. Leleux		3,072.00
136493	2/24/17	TR8-R-IRWD-7345-7298	B. Schmidt		4,052.00
136494	2/24/17	TR8-R-IRWD-7927-7892	Y. TSAI		674.00
136495	2/24/17	TR8-R-IRWD-7366-7323	W. Fang		898.00
136496	2/24/17	TR10-R-BREA-7496-7460	E. Mondeau		462.00
136497	2/24/17	TR8-R-IRWD-7387-7342	G. Brazeal		277.13
136498	2/24/17	TR8-R-IRWD-7376-7331	E. Hawley		3,180.00
136499	2/24/17	TR8-R-IRWD-7442-7400	J. Park		2,540.00
136500	2/24/17	TR8-R-IRWD-7424-7372	Z. Zhou		1,074.00
136501	2/24/17	TR8-R-IRWD-7420-7368	K. Chen		476.00
136502	2/24/17	TR8-R-IRWD-7417-7366	D. Zhang		316.00
136503	2/24/17	TR8-R-IRWD-7437-7387	N. Hermann		1,612.00
136504	2/24/17	TR8-R-IRWD-7445-7407	D. Chewning		1,670.00
136505	2/24/17	TR8-R-IRWD-7793-7750	K. Chang		844.95
136506	2/24/17	TR8-R-IRWD-7614-7576	T. Dennison		2,522.00
136507	2/24/17	TR8-R-IRWD-7489-7454	D. Hoang		1,448.00
136508	2/24/17	TR9A-R-MNT-8099-8063	J. King		3,580.00
136509	2/24/17	TR8-R-IRWD-7560-7520	J. Deliema		988.00
136510	2/24/17	TR8-R-IRWD-7537-7497	H. Chiou		900.00
136511	2/24/17	TR8-R-IRWD-7661-7623	C. Greggs		1,978.00
136512	2/24/17	TR8-R-IRWD-7578-7539	R. Novak		1,132.00
136513	2/24/17	TR8-R-IRWD-7599-7561	A. Caban		1,392.00
136514	2/24/17	TR8-R-IRWD-7583-7543	R. Vulgamore		912.00
136515	2/24/17	TR8-R-IRWD-7606-7568	M. Movahed		1,206.00
136516	2/24/17	TR8-R-IRWD-7634-7597	C. Bazzani		1,074.00
136517	2/24/17	TR8-R-IRWD-7678-7637	T. Hu		868.00
136518	2/24/17	TR8-R-IRWD-7735-7692	B. Shahabi		3,212.00
136519	2/24/17	TR8-R-IRWD-7722-7679	L. Stewart		3,038.00
136520	2/24/17	TR8-R-IRWD-7747-7705	K. Hoang		612.00
136521	2/24/17	TR8-R-IRWD-7790-7747	M. Yahya		998.00
136522	2/24/17	TR8-R-IRWD-7748-7706	B. Campbell		620.00
136523	2/24/17	TR8A-R-IRWD-7847-7807	G. Bosz		908.00
136524	2/24/17	TR8-R-IRWD-7806-7768	S. Foster		1,994.00
136525	2/24/17	TR8-R-IRWD-7799-7758	M. Collins		184.00
136526	2/24/17	TR8-R-IRWD-7864-7830	P. Filicicchia		4,370.00

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of February 2017**

Check #	Date	Invoice/CM #	Description	Vendor #	Name / Net Amount
136527	2/24/17	TR8A-R-IRWD-9078-9040	B. Lam		737.73
136528	2/24/17	TR8-R-IRWD-7826-7786	R. Young		1,536.00
136529	2/24/17	TR9A-R-MNT-7963-7928	T. Kirchner		3,770.00
136530	2/24/17	TR8-R-IRWD-9082-9041	D. Nguyen		756.00
136531	2/24/17	TR8A-R-IRWD-7930-7895	V. Vuppula		2,032.00
136532	2/24/17	TR8-R-IRWD-7889-7854	R. Kager		1,092.00
136533	2/24/17	TR8A-R-IRWD-8082-8048	R. Lippincott		818.00
136534	2/24/17	TR8A-R-IRWD-7920-7884	L. Rowen		1,736.00
136535	2/24/17	TR8-R-IRWD-7960-7925	S. He		1,650.00
136536	2/24/17	TR8A-R-ETWD-7978-7943	D. Repay		1,740.00
136537	2/24/17	TR8-R-IRWD-9076-9038	P. Tran		652.00
136538	2/24/17	TR9A-R-MNT-11144-11101	L. Eisenberg		772.00
136539	2/24/17	TR8-R-IRWD-8020-7982	J. Horn		908.00
136540	2/24/17	TR8-R-IRWD-8044-8008	D. Biagan		2,776.00
136541	2/24/17	TR9A-R-MNT-8051-8015	M. Scholz		2,000.00
136542	2/24/17	TR9A-R-MNT-8087-8053	F. Shalemi		582.00
136543	2/24/17	TR9A-R-MNT-8090-8055	T. Furukawa		1,460.00
136544	2/24/17	TR8A-R-ETWD-8104-8068	E. Gonzalez		2,620.00
136545	2/24/17	TR9A-R-MNT-12148-12104	S. Fisher		648.00
136546	2/24/17	TR9A-R-MNT-9096-9058	T. Baldwin		506.00
136547	2/24/17	TR9A-R-MNT-12150-12106	M. Scherr		3,332.00
136548	2/24/17	TR8-R-IRWD-11130-11087	J. Arends		712.00
136549	2/24/17	TR8A-R-ETWD-12155-	C. Miller		786.00
136550	2/24/17	TR8A-R-IRWD-12163-12118	N. Shigaki		640.00
136551	2/24/17	TR9A-R-MNT-12199-12151	A. Jersey		1,172.00
			***Total ***		140,776.50
136552	2/28/17	CATALI 0013903	Catalina Island Conservancy February 2017 WEROC radio repeater site lease		1,718.29
			***Total ***		1,718.29
136559	2/28/17	SDGE 7768-FEB17	San Diego Gas and Electric 1/19/17-2/15/17 Electric service for Doheny Ocean Desal project		51.95
			***Total ***		51.95
136563	2/28/17	USBANK 4140-JAN17	U.S. Bank 12/22/16-1/23/17 Cal Card charges		55.69
			***Total ***		55.69
			(See attached sheet for details)		
ACH002420	2/28/17	HUBBAR 113016	Kelly Hubbard November 2016 Business expense		94.05
			***Total ***		94.05
ACH002424	2/28/17	SANTAM DEC2016	Santa Margarita Water District December 2016 SCP Pipeline operation surcharge		20,235.22
			***Total ***		20,235.22

**Municipal Water District of Orange County
Disbursement Ratification Report
For the month of February 2017**

<i>Check #</i>	<i>Date</i>	<i>Invoice/CIM #</i>	<i>Description</i>	<i>Vendor #</i>	<i>Name / Net Amount</i>
WIRE-170228	2/28/17	METWAT	Metropolitan Water District		
		8904	December 2016 Water deliveries		8,891,816.04
			***Total ***		8,891,816.04
			Total Other Funds Disbursements		9,099,041.32
			Total Disbursements		9,119,907.01



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

Cal Card Statement Detail
Statement Date: January 23, 2017
Payment Date: February 28, 2017

Date	Description	Amount
<u>K. Seckel Card</u>		
12/22/16	City Leaders reception in Anaheim, CA on Feb. 2, 2017 - Registration for Director Tamaribuchi	\$ 25.00
12/22/16	Sympathy flowers for staff member	71.98
12/22/16	Office supplies from Costco	285.57
12/25/16	FedEx delivery charges for L. A. Design Studio on Dec. 22, 2016	20.35
12/26/16	UPS delivery charges for Board packets on Dec. 16, 2016 and Jensen Drilling on Dec. 21, 2016	136.66
12/30/16	2/19/17-2/18/18 Annual maintenance for binding machine	695.00
01/02/17	UPS delivery charges for Board packets on Dec. 28, 2016	71.36
01/03/17	Southern California Water Committee Quarterly meeting in Chino, CA on Jan. 27, 2017 - Registration for Director Tamaribuchi	70.00
01/03/17	ACWA DC 2017 conference in Washington, DC from Feb. 28- Mar. 2, 2017 - Airfare for H. Baez	633.60
01/03/17	Legislative activities in Washington, DC from Jan. 11-13, 2017 - Airfare for H. Baez	778.23
01/03/17	Legislative activities in Sacramento, CA on Mar. 3, 2017 - Airfare for H. Baez	159.94
01/03/17	Legislative activities in Sacramento, CA from Jan. 17-18, 2017 - Airfare for H. Baez	429.40
01/03/17	Legislative activities in Sacramento, CA on Jan. 20, 2017 - Airfare H. Baez	225.88
01/04/17	State of the City / State of the Chamber meeting in Fountain Valley, CA on Jan. 31, 2017 - Registration for H. Baez	30.00
01/05/17	Orange County Business Council Advocacy trip in Sacramento, CA from Mar. 13-14, 2017 - Registration for H. Baez	950.00
01/06/17	1 Sound Station conference phone	474.21
01/09/17	State Water Resource Control Board meeting in Sacramento, CA on Jan. 18, 2017 - Airfare for J. Berg	417.88
01/10/17	Association of California Cities-Orange County Advocacy trip in Sacramento, CA from Mar. 13-14, 2017 - Registration for H. Baez refund for cancellation	(652.00)
01/10/17	1 Sound Station conference phone refund for return	(463.76)
01/10/17	UPS delivery charges for Board packets on Jan. 6, 2017	7.26
01/11/17	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 8-10, 2017 - Registration for Director Thomas	475.00
01/11/17	1 Cisco conference phone with wireless mics	729.00
01/11/17	Orange County Business Council Advocacy trip in Sacramento, CA from Mar. 13-14, 2017 - Registration for Director Tamaribuchi	950.00
01/11/17	Food for Records Management staff meeting	86.88
01/12/17	3 Cisco phones	510.00

Cal Card Statement Detail
Statement Date: January 23, 2017
Payment Date: February 28, 2017

Date	Description	Amount
01/12/17	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 8-9, 2017 - Accommodations for M. Baum-Haley	178.90
01/12/17	2 Lenovo touchscreen laptops	1,550.70
01/12/17	Legislative activities in Washington, DC from Jan. 11-13, 2017 - Accommodations for Director Barbre	1,563.85 ^[1]
01/13/17	Food for Staff development meeting	29.98
01/13/17	Government Jobs employment ad for Emergency Programs Coordinator position	175.00
01/13/17	Multi-State Salinity Coalition Annual Salinity summit in Las Vegas, NV from Mar. 2-3, 2017 - Registration for C. Busslinger	350.00
01/13/17	CalDesal Annual conference in San Diego, CA from Feb. 2-3, 2017 - Registration for C. Busslinger	250.00
01/14/17	Legislative activities in Washington, DC from Jan. 11-13, 2017 - Accommodations for H. Baez	732.58 ^[2]
01/15/17	Computer supplies	75.64
01/16/17	Computer supplies	71.60
01/16/17	UPS delivery charges for Board packets on Jan. 6, 2017	11.28
01/16/17	City Leaders reception in Anaheim, CA on Feb. 2, 2017 - Registration for J. Volzke	26.03
01/17/17	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 8-10, 2017 - Registration for Director Tamaribuchi	475.00
01/17/17	3 LG monitors	405.87
01/18/17	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 8-10, 2017 - Accommodations for Director Tamaribuchi	178.90
01/18/17	California Urban Water Conservation Council meeting in Sacramento, CA on Jan. 25, 2017 - Airfare for J. Berg	417.88
01/19/17	Lunch for Managers' meeting	492.70
01/19/17	1 Tilting TV mount for WEROC office	43.09
01/19/17	Legislative activities in Sacramento, CA from Jan. 17-18, 2017 - Accommodations for H. Baez	353.75
01/20/17	FedEx delivery charges for M. Goldsby on Jan. 17, 2017	28.63 ^[3]
01/21/17	2 Wireless keyboard and mouse sets	116.33
Total		<u>14,645.15</u>

- ^[1] Director Barbre reimbursed MWDOC for \$938.68
- ^[2] W Hotels will refund \$211.60 for room snacks billed in error
- ^[3] M. Goldsby reimbursed MWDOC for \$28.63

Cal Card Statement Detail
Statement Date: January 23, 2017
Payment Date: February 28, 2017

Date	Description	Amount
<u>R. Hunter Card</u>		
12/22/16-1/23/17	Meals for R. Hunter's meetings	\$ 181.65
12/21/16	Staff holiday luncheon	893.04
01/05/17	Food for Elected Officials forum	990.47
		<hr/> 2,065.16 <hr/>
Total		

Municipal Water District of Orange County
GM Approved Disbursement Report ⁽¹⁾
For the month of February 2017

<i>Check #</i>	<i>Date</i>	<i>Invoice/CM #</i>	<i>Description</i>	<i>Vendor #</i>	<i>Name / Net Amount</i>
Core Disbursements:					
136450	2/15/17	JARVIS 26510-ASB	Jarvis Restoration 2/4/17 Asbestos abatement for damaged area in hallway due to leak. ***Total ***		3,552.25 3,552.25
136553	2/28/17	HUNTIN 021717	City of Huntington Beach Return payment for Solar Cup program paid to MWDOC in error. ***Total ***		2,500.00 2,500.00
136554	2/28/17	CONSOL 28791	Consolidated Office Systems Installation of new furniture for WEROC office ***Total ***		185.00 185.00
136562	2/28/17	STAFFI 95693276	Staffing Network, LLC 1/23/17-1/29/17 Temporary help for scanning records and front desk coverage		795.60
		95693805	1/30/17-2/5/17 Temporary help for scanning records and front desk coverage ***Total ***		1,021.02 1,816.62
Total Core Disbursements					8,053.87
Choice Disbursements:					
Total Choice Disbursements					-
Other Funds Disbursements:					
136439	2/10/17	UCIMED K909595	Regents of the University of Calif. at Irvine Rebate incentive for Industrial Process program ***Total ***		8,750.00 8,750.00
136441	2/10/17	PARKSR 020717	State of California Mitigation for construction of concrete pad at Doheny Ocean Desal site ***Total ***		45,000.00 45,000.00
Total Other Funds Disbursements					53,750.00

Municipal Water District of Orange County
GM Approved Disbursement Report ⁽¹⁾
For the month of February 2017

<i>Check #</i>	<i>Date</i>	<i>Invoice/CM #</i>	<i>Description</i>	<i>Vendor #</i>	<i>Name / Net Amount</i>
<i>Total Disbursements</i>					<u>61,803.87</u>



 Robert J. Hunter, General Manager



 Hilary Chumptazi, 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, 2017

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.comWayne S. Osborne
PresidentBrett R. Barbre
Vice PresidentLarry D. Dick
DirectorJoan C. Finnegan
DirectorMegan Yoo Schneider
DirectorSat Tamaribuchi
DirectorJeffery M. Thomas
DirectorRobert J. Hunter
General Manager

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	\$2,715,630	18.14%
Grant & Project Cash Flow	1,500,000	10.02%
Election Expense	475,000	3.17%
Building Repair	350,407	2.34%
OPEB	209,006	1.40%
Total Designated Reserves	5,250,043	35.07%
General Fund	6,040,395	40.35%
Water Fund	3,389,543	22.64%
Conservation Fund	33,448	0.22%
Desalination Feasibility Study Fund	106,573	0.71%
WEROC Fund	193,713	1.30%
WEROC Fuel Trailers	(72,530)	(0.48%)
Trustee Activities	28,047	0.19%
Total	\$14,969,232	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	0.64%	\$96,211	\$96,211
Short-term investment			
• LAIF	1.46%	\$218,257	\$218,257
• OCIP	77.84%	11,652,113	11,652,113
Long-term investment			
• Corporate Bond	5.03%	752,651	751,283
• Certificates of Deposit	15.03%	2,250,000	2,267,773
Total	100.00%	\$14,969,232	\$14,985,637

The average number of days to maturity/call as of January 31, 2017 equaled 144 and the average yield to maturity is 0.996%. During the month, the District's average daily balance was \$22,160,098.08. 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 2017.

The \$16,405 difference between the book value and the market value on January 31, 2017 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 ManagerHilary Chumpitazi
Treasurer

MEMBER AGENCIES

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

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY



Portfolio Management - Portfolio Summary January 31, 2017

1/31/2017	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Negotiable Certificate Of Deposit	2,250,000.00	2,267,772.50	2,250,000.00	15.13	553	1.726
Corporate Bond	750,000.00	751,282.50	752,650.87	5.04	1,173	2.238
Local Agency Investment Funds	218,257.38	218,257.38	218,257.38	1.47	1	0.751
Orange County Investment Pool	11,652,112.73	11,652,112.73	11,652,112.73	78.36	1	0.780
Total Investments	14,870,370.11	14,889,425.11	14,873,020.98	100.00	144	0.996

Cash						
Cash	96,211.47	96,211.47	96,211.47		1	0.00
Total Cash and Investments	14,966,581.58	14,985,636.58	14,969,232.45		144	0.996

Total Earnings	Month Ending January	Fiscal Year to Date
Current Year	16,769.03	119,105.30
Average Daily Balance	22,160,098.08	
Effective Rate of Return	0.996%	

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

3-1-17


Hilary Chumtazi, Treasurer

Date

3/1/2017

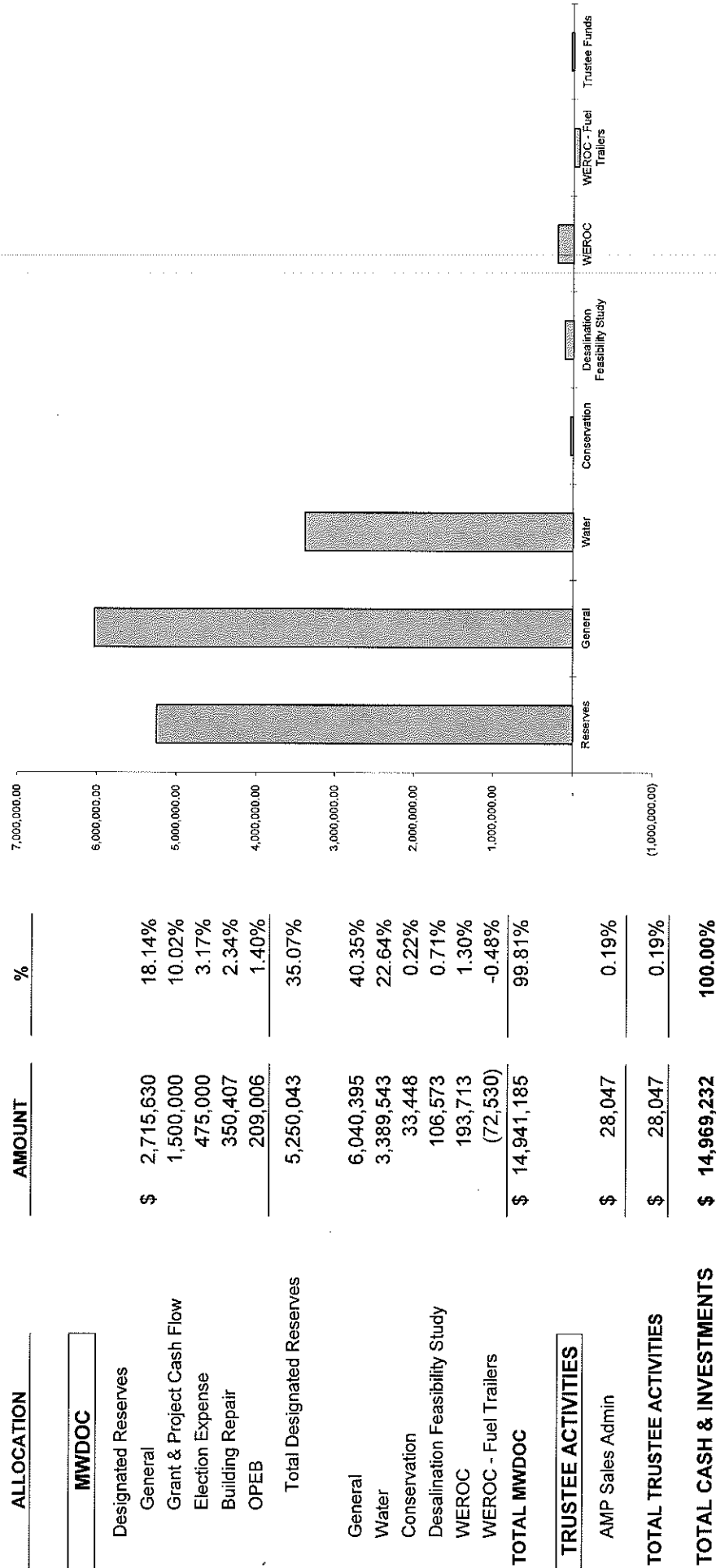
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Long-Term Portfolio Details - Investments
January 31, 2017

Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Negotiable Certificate Of Deposit									
Ally Bank	02006LFV0	7/23/2014	250,000.00	250,517.50	250,000.00	1.150	1.150	174	7/24/2017
American Express Bank	02587CEA4	7/29/2015	250,000.00	251,072.50	250,000.00	1.450	1.450	363	1/29/2018
Barclays Bank	06740KJP3	9/24/2015	250,000.00	253,637.50	250,000.00	1.900	1.900	965	9/23/2019
Capital One Bank	140420TY6	8/5/2015	250,000.00	251,477.50	250,000.00	1.700	1.700	552	8/6/2018
Capital One Natl Assn	14042E6C9	9/2/2015	250,000.00	253,937.50	250,000.00	1.950	1.950	945	9/3/2019
Discover Bank	2546712Y5	7/23/2014	250,000.00	251,382.50	250,000.00	1.600	1.600	538	7/23/2018
Goldman Sachs Bank	36163FJC8	7/25/2014	250,000.00	250,520.00	250,000.00	1.200	1.200	175	7/25/2017
HSBC Bank	40434AK65	1/21/2016	250,000.00	251,517.50	250,000.00	1.550	2.534	355	1/21/2021
Synchrony Bank	87164XBY1	7/25/2014	250,000.00	253,710.00	250,000.00	2.050	2.050	910	7/30/2019
Sub Total			2,250,000.00	2,267,772.50	2,250,000.00	1.617	1.726	553	
Corporate Bond									
JP Morgan Chase	46625HKA7	11/2/2015	500,000.00	500,990.00	501,384.29	2.250	2.152	1,056	1/23/2020
Wells Fargo	94974BGR5	1/13/2016	250,000.00	250,292.50	251,266.58	2.550	2.409	1,406	12/7/2020
Sub Total			750,000.00	751,282.50	752,650.87	2.350	2.238	1,173	
Total Investments			3,000,000.00	3,019,055.00	3,002,650.87	1.800	1.854	708	
Total Earnings									
Current Year			4,556.91		31,884.56				

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Short-Term Portfolio Details - Cash and Investments
January 31, 2017

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	218,257.38	218,257.38	218,257.38	0.751	0.751	1	N/A
Sub Total			218,257.38	218,257.38	218,257.38	0.751	0.751	1	
Orange County Investment Pool									
County of Orange LGIP	OCIP	6/29/2005	11,652,112.73	11,652,112.73	11,652,112.73	0.780	0.780	1	N/A
Sub Total			11,652,112.73	11,652,112.73	11,652,112.73	0.780	0.780	1	
Total Investments			11,870,370.11	11,870,370.11	11,870,370.11	0.779	0.779		
Cash									
Bank of America Cash	CASH0547	7/1/2011	95,711.47	95,711.47	95,711.47	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			96,211.47	96,211.47	96,211.47	0.000	0.000	1	
Total Cash and Investments			11,966,581.58	11,966,581.58	11,966,581.58	0.779	0.779	1	
Total Earnings									
Current Year		Month Ending September	12,212.12	Fiscal Year To Date	87,220.74				

**Municipal Water District of Orange County
Cash and Investments at January 31, 2017**



MUNICIPAL WATER DIST OF ORANGE COUNTY
PARS OPEB Trust Program**Monthly Account Report for the Period**
1/1/2017 to 1/31/2017Rob Hunter
General Manager
Municipal Water Dist of Orange County
18700 Ward Street
Fountain Valley, CA 92708**Account Summary**

Source	Beginning Balance as of 1/1/2017	Contributions	Earnings	Expenses	Distributions	Transfers	Ending Balance as of 1/31/2017
OPEB	\$1,840,424.36	\$0.00	\$28,245.01	\$380.74	\$0.00	\$0.00	\$1,868,288.63
Totals	\$1,840,424.36	\$0.00	\$28,245.01	\$380.74	\$0.00	\$0.00	\$1,868,288.63

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

1-Month	3-Months	1-Year	Annualized Return			Plan's Inception Date
			3-Years	5-Years	10-Years	
1.53%	2.80%	11.21%	4.55%	6.87%	-	10/26/2011

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

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

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

Account balances are inclusive of Trust Administration, Trustee and Investment Management fees

Item No. 3e

Municipal Water District of Orange County WATER USE EFFICIENCY PROJECTS Cash Flow as of 2/28/17

	Jul 2016	Aug 2016	Sep 2016	Oct 2016	Nov 2016	Dec 2016	Jan 2017	Feb 2017	Mar 2017	Apr 2017	May 2017	Jun 2017	TOTALS
Cash - Beginning Balance	\$ (2,257,237.25)	\$ (3,224,747.37)	\$ (2,270,840.96)	\$ (400,006.46)	\$ (100,015.28)	\$ (95,713.95)	\$ 29,138.77	\$ 33,626.27	\$ (31,584.35)	\$ (31,584.35)	\$ (31,584.35)	\$ (31,584.35)	
REVENUES:													
BUREC				36,748.36			95,010.00						\$ 131,758.36
City of Brea	339.97		144.99		294.99								779.95
City of Buena Park	332.10		111.00	222.00	111.00		111.00	333.00					1,220.10
City of Fountain Valley													-
City of Fullerton		75.00											75.00
City of Garden Grove			222.00	666.00			777.00						1,665.00
City of Huntington Beach	640.85	49.99	519.99	117.96	557.99								3,002.91
City of La Habra	111.00		111.00										222.00
City of San Clemente		111.00			1,110.00								1,346.00
City of San Juan Capistrano	111.00		111.00	402.70	424.88			125.00					1,049.58
City of Tustin	11,583.00	25,459.59											37,042.59
City of Newport Beach		450.00	238.99		375.99	7,516.00							8,580.98
City of Orange	2,869.43		333.00	291.00		111.00	111.00						3,715.43
City of Westminster													-
County of Orange				25,297.04									25,297.04
Department of Water Resources		40,479.67					3,777.75	1,697.75					45,955.17
East Orange County Water District													-
El Toro Water District	75.00	75.00	75.00	2,552.00	366.99			15.00					3,158.99
East Orange County Water District													-
Golden State Water Company	1,980.00		75.00	50.00									2,105.00
Inrvine Ranch Water District	93,764.10	542,331.88	132,095.59	309,490.34	45,597.19	32,010.98	13,500.00	56,012.38					1,224,802.46
Laguna Beach County Water District	1,110.00	1,041.00		396.00									2,547.00
Mesa Water District	1,127.37		80.00	209.99	149.99		1,050.00						2,617.35
Metropolitan Water District			1,934,765.85	28,195.82		70,484.98							2,033,446.65
Moulton Niguel Water District	459,396.32	683,295.61	17,279.42	102,026.49	96,834.06	4,400.00	104,764.64	35,654.00					1,503,650.54
Santa Margarita Water District	6,821.55	3,703.49	10,737.34	8,062.96		4,215.84	1,693.97	12,326.00					47,561.15
Serrano Water District	75.00												75.00
South Coast Water District													-
Trabuco Canyon Water District	475.00	150.00	200.00	100.00	100.00	100.00	200.00						1,325.00
Yorba Linda Water District						596.00							596.00
Miscellaneous Revenues													
Miscellaneous		103.68		884.00									-
Interest Revenue													987.68
Total Revenues	580,811.69	1,297,325.91	2,097,100.17	515,712.66	145,923.08	219,110.55	124,466.49	104,132.38	-	-	-	-	\$ 5,084,582.93
EXPENDITURES:													
Aquifercent							5,400.00						\$ 10,800.00
Brylton Printing	5,400.00				2,500.00								2,500.00
Conservation Consulting, LLC				28,894.25									28,894.25
El Toro WD					100.00								100.00
Golden State Water Company					100.00								100.00
Laguna Beach CWD							240.00	560.00					800.00
Metropolitan Water District	229,162.49	111,028.73			19,364.33			13,053.16					372,608.71
Mesa Water District	18,300.13	14,225.68	38,367.35		8,770.78	24,081.46		9,322.50					113,067.90
Regents UCI Medical								18,684.00					18,684.00
Sunny Glizmo													675.00
Turf Removal	1,287,489.27	214,855.09	175,786.98	179,854.83	110,111.64	57,547.37	102,895.83	140,776.50					2,269,117.51
Miscellaneous Expenses													
Infraeast Expense	7,579.92		12,111.34	5,087.40									12,667.32
Safety & Benefit	390.00	3,510.00		1,885.00			4,030.00						28,915.34
Total Expenditures	1,548,321.81	343,419.50	226,265.67	215,721.48	141,621.75	94,257.83	119,978.99	169,343.00	-	-	-	-	\$ 2,858,930.03
Cash - Ending Balance	\$ (3,224,747.37)	\$ (2,270,840.96)	\$ (400,006.46)	\$ (100,015.28)	\$ (95,713.95)	\$ 29,138.77	\$ 33,626.27	\$ (31,584.35)	\$ (31,584.35)	\$ (31,584.35)	\$ (31,584.35)	\$ (31,584.35)	

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
COMBINED FINANCIAL STATEMENTS
AND
BUDGET COMPARATIVE
JULY 1, 2016 THRU JANUARY 31, 2017

**Municipal Water District of Orange County
Combined Balance Sheet
As of January 31, 2017**

<u>ASSETS</u>	Amount
Cash in Bank	96,211.47
Investments	14,873,020.98
Accounts Receivable	14,703,625.15
Accounts Receivable - Other	22,207.33
Accrued Interest Receivable	20,550.88
Prepays/Deposits	516,107.11
Leasehold Improvements	3,415,059.92
Furniture, Fixtures & Equipment	447,719.37
Less: Accum Depreciation	(2,657,546.46)
Net OPEB Asset	<u>117,085.00</u>
TOTAL ASSETS	<u>\$31,554,040.75</u>
 <u>LIABILITIES AND FUND BALANCES</u>	
Liabilities	
Accounts Payable	15,682,082.36
Accounts Payable - Other	734.27
Accrued Salaries and Benefits Payable	421,846.37
Other Liabilities	722,549.50
Unearned Revenue	<u>2,076,778.49</u>
Total Liabilities	<u>18,903,990.99</u>
 Fund Balances	
Restricted Fund Balances	
Water Fund - T2C	<u>966,962.46</u>
Total Restricted Fund Balances	<u>966,962.46</u>
Unrestricted Fund Balances	
Designated Reserves	
General Operations	2,832,714.74
Grant & Project Cash Flow	1,500,000.00
Election Expense	475,000.00
Building Repair	350,407.45
OPEB	<u>209,006.00</u>
Total Designated Reserves	<u>5,367,128.19</u>
GENERAL FUND	2,244,103.41
WEROC	<u>101,241.62</u>
Total Unrestricted Fund Balances	<u>7,712,473.22</u>
Excess Revenue over Expenditures	
Operating Fund	4,236,846.08
Other Funds	<u>(266,232.00)</u>
Total Fund Balance	<u>12,650,049.76</u>
TOTAL LIABILITIES AND FUND BALANCES	<u>\$31,554,040.75</u>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July 2016 thru January 2017

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>REVENUES</u>						
Retail Connection Charge	0.00	6,786,864.75	6,786,865.00	100.00%	0.00	0.25
Ground Water Customer Charge	0.00	392,666.00	392,666.00	100.00%	0.00	0.00
Water rate revenues	0.00	7,179,530.75	7,179,531.00	100.00%	0.00	0.25
Interest Revenue	16,040.13	119,674.99	123,000.00	97.30%	0.00	3,325.01
Subtotal	16,040.13	7,299,205.74	7,302,531.00	99.95%	0.00	3,325.26
Choice Programs	1,884.62	1,287,947.70	1,494,789.00	86.16%	0.00	206,841.30
Choice Prior Year Carry Over	0.00	0.00	44,416.00	0.00%	0.00	44,416.00
Miscellaneous Income	0.00	1,178.76	3,000.00	39.29%	0.00	1,821.24
School Contracts	6,040.95	38,341.46	70,000.00	54.77%	0.00	31,658.54
Transfer-In From Reserve	0.00	0.00	535,873.00	0.00%	0.00	535,873.00
Subtotal	7,925.57	1,327,467.92	2,148,078.00	61.80%	0.00	820,610.08
TOTAL REVENUES	23,965.70	8,626,673.66	9,450,609.00	91.28%	0.00	823,935.34

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July 2016 thru January 2017

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>EXPENSES</u>						
Salaries & Wages	269,309.47	1,797,522.82	3,437,120.00	52.30%	0.00	1,639,597.18
Salaries & Wages - Grant Recovery	0.00	(11,447.26)	(31,600.00)	36.23%	0.00	(20,152.74)
Salaries & Wages - Recovery	(3,385.20)	(12,285.00)	0.00	0.00%	0.00	12,285.00
Directors' Compensation	17,253.85	120,965.15	231,937.00	52.15%	0.00	110,971.85
MWD Representation	10,465.45	70,267.81	132,535.00	53.02%	0.00	62,267.19
Employee Benefits	89,194.78	510,560.77	968,160.00	52.74%	0.00	457,599.23
OPEB Annual Contribution	0.00	400,000.00	105,249.00	380.05%	0.00	(294,751.00)
Employee Benefits - Grant Recovery	0.00	(2,843.08)	0.00	0.00%	0.00	2,843.08
Employee Benefits - Recovery	(644.80)	(2,340.00)	0.00	0.00%	0.00	2,340.00
Director's Benefits	4,521.87	36,024.04	66,297.00	54.34%	0.00	30,272.96
Health Ins \$'s for Retirees	4,077.15	20,450.06	50,326.00	40.64%	0.00	29,875.94
Training Expense	1,785.00	5,379.00	12,000.00	44.83%	575.00	6,046.00
Tuition Reimbursement	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
Temporary Help Expense	2,718.30	11,171.55	0.00	0.00%	3,828.45	(15,000.00)
Personnel Expenses	395,295.87	2,943,425.86	4,977,024.00	59.14%	4,403.45	2,029,194.69
Engineering Expense	18,704.27	85,723.15	405,000.00	21.17%	75,176.41	244,100.44
Legal Expense	13,428.81	104,285.83	320,000.00	32.59%	215,714.17	0.00
Audit Expense	0.00	18,437.00	24,000.00	76.82%	0.00	5,563.00
Professional Services	99,840.05	382,473.94	1,504,497.00	25.42%	512,466.79	609,556.27
Professional Fees	131,973.13	590,919.92	2,253,497.00	26.22%	803,357.37	859,219.71
Conference-Staff	954.03	10,178.13	22,125.00	46.00%	(1,606.03)	13,552.90
Conference-Directors	2,029.00	7,019.00	10,725.00	65.45%	(1,995.00)	5,701.00
Travel & Accom.-Staff	4,532.47	19,630.04	71,130.00	27.60%	(4,328.04)	55,828.00
Travel & Accom.-Directors	887.06	9,263.69	38,250.00	24.22%	(804.07)	29,790.38
Travel & Conference	8,402.56	46,090.86	142,230.00	32.41%	(8,733.14)	104,872.28
Membership/Sponsorship	6,484.73	118,933.51	134,458.00	88.45%	0.00	15,524.49
CDR Support	0.00	19,985.76	39,972.00	50.00%	19,985.74	0.50
Dues & Memberships	6,484.73	138,919.27	174,430.00	79.64%	19,985.74	15,524.99
Business Expense	320.63	2,785.32	6,000.00	46.42%	0.00	3,214.68
Maintenance Office	6,211.59	51,190.71	123,185.00	41.56%	69,484.29	2,510.00
Building Repair & Maintenance	1,091.56	5,803.93	11,000.00	52.76%	2,291.07	2,905.00
Storage Rental & Equipment Lease	1,372.03	3,843.49	7,000.00	54.91%	3,156.51	0.00
Office Supplies	3,303.23	19,570.60	38,280.00	51.12%	2,174.26	16,535.14
Postage/Mail Delivery	2,559.49	7,742.91	11,400.00	67.92%	978.44	2,678.65
Subscriptions & Books	0.00	305.46	2,000.00	15.27%	0.00	1,694.54
Reproduction Expense	0.00	2,614.06	36,225.00	7.22%	7,557.89	26,053.05
Maintenance-Computers	936.91	4,441.71	10,000.00	44.42%	607.72	4,950.57
Software Purchase	0.00	22,705.04	31,300.00	72.54%	0.00	8,594.96
Software Support	1,300.78	29,755.54	46,000.00	64.69%	0.00	16,244.46
Computers and Equipment	8,515.72	23,080.34	32,500.00	71.02%	(2,437.47)	11,857.13
Automotive Expense	1,528.44	9,743.57	13,828.00	70.46%	0.00	4,084.43
Toll Road Charges	81.23	403.40	1,100.00	36.67%	0.00	696.60
Insurance Expense	8,786.21	62,990.95	90,000.00	69.99%	0.00	27,009.05
Utilities - Telephone	1,594.89	11,316.01	19,200.00	58.94%	0.00	7,883.99
Bank Fees	914.17	7,042.39	10,500.00	67.07%	0.00	3,457.61
Miscellaneous Expense	6,930.48	43,441.90	114,020.00	38.10%	(899.63)	71,477.73
MWDOC's Contrb. To WEROC	12,532.50	87,727.50	150,390.00	58.33%	0.00	62,662.50
Depreciation Expense	425.35	3,706.31	0.00	0.00%	0.00	(3,706.31)
Other Expenses	58,405.21	400,211.14	753,928.00	53.08%	82,913.08	270,803.78
Election Expense	0.00	0.00	592,000.00	0.00%	0.00	592,000.00
MWDOC's Building Expense	0.00	247,461.48	495,000.00	49.99%	4,004.14	243,534.38
Capital Acquisition	0.00	22,799.05	62,500.00	36.48%	0.00	39,700.95
TOTAL EXPENSES	600,561.50	4,389,827.58	9,450,609.00	46.45%	905,930.64	4,154,850.78
NET INCOME (LOSS)	(576,595.80)	4,236,846.08	0.00			

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
Water Fund
From July 2016 thru January 2017

	Month to Date	Year to Date	Annual Budget	% Used	Budget Remaining
<u>WATER REVENUES</u>					
Water Sales	3,694,929.40	86,620,677.00	121,881,702.00	71.07%	35,261,025.00
Readiness to Serve Charge	866,439.80	7,200,085.64	12,674,093.00	56.81%	5,474,007.36
Capacity Charge CCF	295,400.00	2,701,269.39	4,829,790.00	55.93%	2,128,520.61
SCP Surcharge	23,659.43	199,448.39	365,000.00	54.64%	165,551.61
Interest	643.51	4,550.83	4,800.00	94.81%	249.17
TOTAL WATER REVENUES	4,881,072.14	96,726,031.25	139,755,385.00	69.21%	43,029,353.75
<u>WATER PURCHASES</u>					
Water Sales	3,694,929.40	86,620,677.00	121,881,702.00	71.07%	35,261,025.00
Readiness to Serve Charge	866,439.80	7,200,085.64	12,674,093.00	56.81%	5,474,007.36
Capacity Charge CCF	295,400.00	2,710,295.00	4,829,790.00	56.12%	2,119,495.00
SCP Surcharge	23,659.43	190,422.78	365,000.00	52.17%	174,577.22
TOTAL WATER PURCHASES	4,880,428.63	96,721,480.42	139,750,585.00	69.21%	43,029,104.58
EXCESS OF REVENUE OVER EXPENDITURES	643.51	4,550.83	4,800.00		

Municipal Water District of Orange County
WUE Revenues and Expenditures (Actuals vs Budget)
From July 2016 thru January 2017

	Year to Date Actual	Annual Budget	% Used
Landscape Performance Certification			
Revenues	5,511.95	118,900.00	4.64%
Expenses	5,405.44	118,900.00	4.55%
Excess of Revenues over Expenditures	106.51	0.00	
Industrial Water Use Reduction			
Revenues	95,009.98	91,236.00	104.14%
Expenses	9,934.00	91,236.00	10.89%
Excess of Revenues over Expenditures	85,075.98	0.00	
Spray To Drip Conversion			
Revenues	675.00	468,552.34	0.14%
Expenses	681.52	468,552.34	0.15%
Excess of Revenues over Expenditures	(6.52)	0.00	
Water Smart Landscape for Public Property			
Revenues	0.00	168,588.80	0.00%
Expenses	0.00	168,588.80	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
Member Agency Administered Passthru			
Revenues	800.00	150,000.00	0.53%
Expenses	800.00	150,000.00	0.53%
Excess of Revenues over Expenditures	0.00	0.00	
ULFT Rebate Program			
Revenues	30,499.40	205,000.00	14.88%
Expenses	30,499.40	205,000.00	14.88%
Excess of Revenues over Expenditures	0.00	0.00	
HECW Rebate Program			
Revenues	160,511.49	432,000.00	37.16%
Expenses	160,538.54	432,000.00	37.16%
Excess of Revenues over Expenditures	(27.05)	0.00	
CII Rebate Program			
Revenues	225,690.00	325,000.00	69.44%
Expenses	263,290.00	325,000.00	81.01%
Excess of Revenues over Expenditures	(37,600.00)	0.00	
Large Landscape Survey			
Revenues	440.30	30,000.00	1.47%
Expenses	242.95	30,000.00	0.81%
Excess of Revenues over Expenditures	197.35	0.00	

Municipal Water District of Orange County
WUE & Other Funds Revenues and Expenditures (Actuals vs Budget)
From July 2016 thru January 2017

	Year to Date Actual	Annual Budget	% Used
Indoor-Outdoor Survey			
Revenues	1.53	3,500.00	0.04%
Expenses	14.06	3,500.00	0.40%
Excess of Revenues over Expenditures	<u>(12.53)</u>	<u>0.00</u>	
Turf Removal Program			
Revenues	1,143,422.25	1,750,000.00	65.34%
Expenses	958,078.68	1,750,000.00	54.75%
Excess of Revenues over Expenditures	<u>185,343.57</u>	<u>0.00</u>	
Comprehensive Landscape (CLWUE)			
Revenues	119,161.61	399,751.00	29.81%
Expenses	127,476.52	399,751.00	31.89%
Excess of Revenues over Expenditures	<u>(8,314.91)</u>	<u>0.00</u>	
CII, Large Landscape, Performance (OWOW)			
Revenues	0.00	121,210.00	0.00%
Expenses	47,898.99	121,210.00	39.52%
Excess of Revenues over Expenditures	<u>(47,898.99)</u>	<u>0.00</u>	
WUE Projects			
Revenues	1,781,723.51	4,263,738.14	41.79%
Expenses	1,604,860.10	4,263,738.14	37.64%
Excess of Revenues over Expenditures	<u>176,863.41</u>	<u>0.00</u>	
WEROC			
Revenues	242,421.29	300,780.00	80.60%
Expenses	146,698.16	293,780.00	49.93%
Excess of Revenues over Expenditures	<u>95,723.13</u>	<u>7,000.00</u>	
WEROC - Fuel Trailers			
Revenues	0.00	146,140.80	0.00%
Expenses	109,023.79	146,140.80	74.60%
Excess of Revenues over Expenditures	<u>(109,023.79)</u>	<u>0.00</u>	



CONSENT CALENDAR ITEM

March 15, 2017

TO: Board of Directors

FROM: **Planning & Operations Committee**
(Directors Dick, Tamaribuchi, Yoo Schneider)

Robert Hunter
General Manager

Staff Contact: J. Berg
Director of Water Use Efficiency

SUBJECT: **Landscape Design Assistance Program**

STAFF RECOMMENDATION

Staff requests the Board authorize the General Manager to enter into professional services agreements with both DeLorenzo International and EcoTech Services, Inc. to provide landscape design assistance in an amount not to exceed \$140,000. Should other firms (to be determined) demonstrate they are qualified to do the work and agree to a competitive fee structure, staff requests Board authorization to contract with them as well.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

Landscape water use accounts for approximately 50 percent of total water use in Orange County. There is a relatively untapped opportunity for water savings in the landscape as our focus historically has been on indoor residential plumbing fixtures. During this time, landscape water saving efforts have focused on education and landscape design standards, such as landscape ordinances administered by city planning departments. A comprehensive and prolonged approach is needed to achieve and maintain landscape water savings.

The Municipal Water District of Orange County began offering a variety of landscape rebates starting in 2004 with Smart Irrigation Timers to promote irrigation scheduling efficiency. This water savings opportunity was pioneered in Orange County and has resulted in quantifiable and reliable savings over time. Since then, we have expanded the opportunities to include low-volume sprinkler nozzles (2007), turf grass removal (2010),

Budgeted (Y/N): Y	Budgeted amount: \$140,000	Core __	Choice _X_
Action item amount: \$140,000		Line item: Fund No. 8116 & 9111	
Fiscal Impact (explain if unbudgeted): The proposed design assistance will be funded through a combination of grant funds awarded to MWDOC from the US Bureau of Reclamation (\$90,000) and California Department of Water Resources (\$50,000).			

spray-to-drip conversions (2014), education, and regulations such as landscape ordinances. These efforts focus on both residential and commercial landscapes. Ultimately, we are seeking to establish a transformation of urban landscapes to better match the water needs of our landscapes to our local climate and available water resources. That said, we are NOT advocating for the complete removal of turf grass; rather, we are advocating for functional turf areas that provide for recreation and other beneficial uses.

There are four factors that influence landscape water use: Landscape management, plant selection, irrigation equipment, and maintenance. Each of these factors contributes to the potential water savings at a site. However, simply improving the water use efficiency of one of these factors alone will only result in moderate water savings. To achieve the maximum potential water savings, these factors must each be considered in combination. For example, the water savings potential of efficient irrigation equipment is maximized with proper landscape management. Likewise, the water savings potential of climate appropriate plants is maximized with efficient irrigation equipment. Often times, a site will only upgrade one of the four factors.

Staff is now proposing to add Landscape Design Assistance into our portfolio of landscape water use efficiency programs. Landscape design has been found to be one of the biggest barriers for homeowners to overcome when participating in our turf removal rebate program. Our intention is to break down barriers and help ensure aesthetically appealing landscapes that will be adopted/emulated by others. The proposed Landscape Design Assistance Program will provide the site with customized tools to achieve maximum water savings by considering all four factors that influence landscape water use.

DETAILED REPORT

The proposed Landscape Design Assistance program will provide for the development of up to 36 design templates that will be posted on the program website, along with offering one-on-one landscape design assistance to approximately 100 residential property owners. The templates are intended to provide consumers with design ideas for their yards. The templates and one-on-one design assistance will include consultation (one-on-one only), a planting plan, an irrigation design plan, and instructions for proper maintenance once the new landscape is installed. Templates will include six design themes for participants to choose from as described below.

Design themes include:

- Mediterranean, Spanish
- Tuscan, Italian
- California Native, California Friendly Rain Garden, Ocean Friendly Garden
- Modern
- Cottage
- Coastal

Participants will be asked to select plants they like from a designated list of plants that are well adapted to Orange County's climate. Plant selection is a critical component of the program and is designed to create a vested interest and ownership in developing and maintaining the participant's landscape. The use of designs produced through this effort will extend beyond the individual receiving the one-on-one assistance; these designs will

become templates posted on MWDOC's website that can be used by other residents, thereby greatly expanding the usefulness of each design.

One of our goals is to create design packages that meet the architectural requirements of Homeowner Associations to streamline the HOA approval process. This has been successfully accomplished by Santa Margarita Water District's SustainaBlue landscape design assistance program (<http://www.smwd.com/conservation/landscape/>); MWDOC intends to model their approach.

Request for Proposals Process

Staff composed and distributed a Request for Proposals (RFP) outlining the desired services, schedule, and budget for the MWDOC Landscape Design Assistance program. On December 7, 2016, the RFP was distributed to more than 80 design firms thought to be capable of providing the needed services. On December 13, 2016, staff held a meeting to review the RFP with potential respondents and give them an opportunity to ask questions of clarification regarding the desired work to be performed. Six organizations attended this meeting. The RFP required proposals to be submitted to MWDOC on January 6, 2017. Two landscape design firms submitted proposals: DeLorenzo International, based in San Diego, and EcoTech Services, Inc., based in Monrovia.

Staff convened a review panel to evaluate and score proposals and recommend a design firm for MWDOC Board Consideration. The review panel included 10 representatives from four agencies including MWDOC, Irvine Ranch Water District, Mesa Water District, and Santa Margarita Water District.

The review panel found both design firms to be qualified to perform the landscape design work. However, the fees proposed by the two design firms differed significantly. Because the review panel felt that more than one design assistance firm was needed to meet program demand and schedule, staff approached both firms to verify their understanding of what was being requested in the RFP and to discuss a similar fee structure that both firms would honor. These discussions resulted in the fee structure outlined in Table 1.

Table 1 Landscape Design Assistance Fee Structure		
Consultant	Design Templates (fixed cost per template)	One-on-One Design Assistance
EcoTech Services, Inc.	\$1,500	\$150.00 / hour
DeLorenzo International	\$1,475	\$136.50 / hour

Funding for this design assistance comes from a combination of state and federal sources. The US Bureau of Reclamation will contribute \$90,000 through a Water Smart Grant, and the California Department of Water Resources will contribute \$50,000 through a South

Orange County Integrated Resources Plan Gant. MWDOC's staff time to administer this effort will contribute toward matching fund requirements of the grants.

Staff requests the Board authorize the General Manager to enter into professional services agreements with both DeLorenzo International and EcoTech Services, Inc. to provide landscape design assistance in an amount not to exceed \$140,000. Should other firms (to be determined) demonstrate they are qualified to perform the work and agree to a competitive fee structure, staff requests Board authorization to contract with them as well. Should this occur, staff will inform the Board via the monthly Water Use Efficiency Projects Status report contained in the Planning and Operations Committee packet.



CONSENT CALENDAR ITEM

March 15, 2017

**TO: Planning & Operations Committee
(Directors Dick, Tamaribuchi & Yoo Schneider)**

**FROM: Robert Hunter
General Manager**

Staff Contact: Karl Seckel

SUBJECT: Additional Authorization of Work for the OC Water Reliability Study 2017 Update

STAFF RECOMMENDATION

Staff recommends the Planning & Operations Committee recommends the Board increase the authorization to CDM-Smith by \$44,013 to complete \$81,590 in additional work on updating various aspects of the 2016 OC Water Reliability Study, using \$37,577 that was remaining from the prior authorization. The work is expected to take about 4 to 5 months to complete.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

At the February P&O Committee meeting, staff recommended follow-up work to the 2016 OC Water Reliability Study. CDM-Smith was requested to provide a proposal to complete the following work:

Budgeted (Y/N): Yes	Budgeted amount: \$44,013	Core ✓	Choice ____
Action item amount: \$81,590	Line item: 02-21-7010		
Fiscal Impact (explain if unbudgeted) The cost of the work is \$81,590; this will require \$44,013 in a new authorization to combine with \$37,577 in funds remaining from the 2016 study.			

- Updating Climate Change Data and Colorado River Assumptions
- Splitting Treated vs Untreated MWD Deliveries
- Evaluating Scenarios in Which Poseidon Desalination is Needed
- Assessing the Value of New Storage
- Project Management, Meetings and preparation of a Technical Memo

MWDOC staff will provide assistance in the way of costs related to the various options for integration of the Poseidon water. Staff will also work on a methodology to determine future minimum flows in pipelines to maintain high water quality.

The work is expected to take 4 to 5 months.

DETAILED REPORT

At the February 2017 MWDOC P&O Committee meeting, staff recommended the following additional work be pursued with respect to the OC Water Reliability Study:

- Work with MET and MET's member agencies to ascertain the future direction of local supply development. We should also recommend that MET take a closer look at where the various other MET agencies are heading as they pursue additional projects to reduce their use of imported water from MET. This has implications for the future of the MET Local Resources Program, MET's Integrated Resources Plan, and the fixed treatment charge.
- Work with MET and our agencies to examine how water pipelines should be operated at various water temperature conditions throughout the year to enable a high chloramine residual to be maintained. What is envisioned are minimum recommended flows on a monthly basis in the various pipelines.
- With respect to various base-loaded or supply projects in Orange County, additional work should be pursued to better understand how project costs and project benefits align under MET's Water Supply Allocation Plan. Specific analyses of the total cost of these projects with an analysis of where the benefits of the projects accrue should be completed.
- Consideration should be given to the cost-efficiency of additional future project investments so as to maximize water supply reliability while minimizing costs.
- Changes in the Colorado River Supply situation have occurred since completion of the 2016 OC Water Reliability Study. It is suggested that we take a closer look at

the assumptions under the completed modeling work compared to where the negotiations are today under the Colorado River Drought Contingency Plan to examine if updates to the modeling are warranted. Newer climate data is also available and it may be possible to incorporate it into the modeling study as an additional update.

- The assumption on the Santa Ana River base flows to OCWD and the addition of the Santa Ana River Conservation and Conjunctive Use Project (SARCCUP) will also be incorporated.

Staff requested CDM-Smith to develop a proposal to pursue the following work:

- Update and quantification of potential climate change impacts. Work was underway by others in updating climate impact projections for both the SWP and the CR systems when our reliability study was underway. Information from those efforts was not available within our initial study timeframe. Staff has asked CDM-Smith to consider additional modeling work on both watersheds.
 - MWDOC is interested in quantifying the climate implications for future supplies (as best as can be done based on the current status of climate change modeling)
- With respect to future Colorado River supplies, we also have the structural deficit issue and the rules for the drought contingency plan to incorporate into the modeling
- It is suggested that the OCWD base flow assumption be changed from 53kaf to 34kaf under the belief that the upstream watersheds will make full use of the water available to them which will result in lower flows over the long run being available to OC.
 - Additionally, the SARCCUP dry year project yield to OCWD will be included in the modeling. Also with respect to SARCCUP, we asked CDM-Smith to examine the SARCCUP Program modeling work by CH2MHill to see how it compares to the work completed in the OC Study.
- The modeling will incorporate the Doheny and San Juan Project yields to determine what additional supplies might be needed by SOC, if any. The modeling will result in a basis for other agencies to consider participating in the Doheny Project.
- The Poseidon Project will be evaluated in more detail to further understand the quantification of benefits from base loaded projects that provide supplies in excess of the average GAP (difference between supplies and demands). CDM-Smith has suggested examining under what future conditions the Poseidon Project should be pursued:
 - Delineating when it makes sense, such as if there is no WaterFix and No Carson IPR project or when Climate change has impacted us to a certain degree.

- Under this analysis, we will utilize costs developed to integrate the Poseidon supplies into the Orange County system.
- Due to the variety of discussions at MWDOC with respect to additional surface storage in Southern California, we asked CDM-Smith to include the addition of a “second” theoretical DVL Project into the modeling to understand how often and under what circumstances it would prove to be useful.
- MWDOC staff will work with MET and others to develop recommendations for minimum flow in pipelines to maintain water quality; to help in this analysis; CDM will look at various approaches to distinguish future MET flows in OC between treated and untreated water to help with the evaluation of this issue.

CDM-Smith has estimated the updated cost of the work at \$81,590; this will require \$44,013 in a new authorization to combine with \$37,577 in funds remaining from the 2016 study. The work is expected to take about 4 to 5 months to complete.

The CDM-Smith scope is attached.



600 Wilshire Blvd., Ste. 750
Los Angeles, CA 90017
tel: 213-457-2149

February 27, 2017

Karl Seckel, Assistant General Manager
Municipal Water District of Orange County
P.O. Box 20895, Fountain Valley, CA 92708

Subject: Orange County Reliability Study, Amendment to Budget for Further Work

Dear Karl:

As requested, CDM Smith is providing you with a scope of work and budget for further work associated with the Orange County Reliability Study. This scope of work is based on our meeting with you on February 9, 2017, and includes:

- Updating climate change data on Colorado River and State Water Project, and potential impacts on reliability resulting from shortage declarations on the Colorado River
- Splitting treated vs untreated MWD deliveries in the OCSIM model
- Evaluating scenarios that show need for Poseidon desalination at various sized capacities

Scope of Work for Amended Work

Task 1. Updating Climate Change Data and Colorado River Assumptions

For the original OC Study, we used currently available climate change data at the time of the study for the Colorado River and State Water Project. Some of this information has changed since the modeling portion of our study was completed. We will incorporate, to the best of our ability, any latest information and review the likelihood that our original climate change scenarios for the OC Study were too optimistic (indicated a lower impact). All indications are that the recent Global Circulation Models (GCMs) using Representative Concentration Pathways (RCPs), RCP8.5, which reflects the latest information regarding emission scenarios and potential for mitigation, are more in line with current observed data. We will explore whether we can utilize these newer GCMs in some capacity.

We will also incorporate the latest information regarding the Colorado River Drought Contingency Plan and structural shortages that might occur to MWD in terms of reliability impacts for Orange County.

Task 2. Splitting Treated vs Untreated MWD Deliveries

To demonstrate the cost effectiveness of projects like the Poseidon desalination project and to better understand the demand for treated imported water in OC, it is necessary to split out untreated vs treated MWD deliveries. This would be done for the three study areas within the OCSIM model. This would also allow us to determine more refined simulation in South County



as the Baker Water Treatment Plant requires untreated MWD water, while all other MWD deliveries are treated by MWD.

Task 3. Evaluating Scenarios in Which Poseidon Desalination is Needed

This effort would involve simulating the conditions that result in demonstrating a need for supplies from the Poseidon desalination project at different sized capacities. We would also assess a range of costs for the Poseidon project that are associated with different recharge strategies for the OC Basin. We envision simulating at least 3 conditions in which some sized Poseidon project is needed. We would then be able to determine the relative cost-effectiveness of the project by comparison to MWD water purchases and other potential projects. One such potential project for the OC Basin area is Santa Ana River Conservation and Conjunctive Use Project (SARCCUP). SARCCUP is a conjunctive use storage program for the members of SAWPA and could provide Orange County with drought year water supplies that are counted as “extraordinary supply” under MWD’s drought allocation formula. We will evaluate the SARCCUP project using information provided to us from OCWD.

For South County, we will estimate the remaining needs if Doheny Desalination and San Juan Groundwater Augmentation projects are implemented, which could be fulfilled by Poseidon Desalination.

Task 4. Assessing the Value of New Storage

As requested by MWDOC, CDM Smith will add new surface reservoir storage at a size equal to MWD’s Diamond Valley Reservoir and with a cost double of that project in today’s dollars. This will determine if additional storage in the system has more or less value than other projects such as Poseidon.

Task 5. Project Management, Meetings and TM

To support Tasks 1-3, project management including meetings with MWDOC staff will be needed. We envision no more than 3 meetings with MWDOC staff for this amended scope of work. This task would also include a brief TM summarizing Tasks 1-3.

Current Budget Status

Our original budget for the OC Study was \$425,275, of which \$37,577 remains.



Orange County Reliability Study Budget Amendment
February 27, 2017
Page 3

Summary of Budget for Amended Scope of Work

The table below summarizes the additional budget for the amended scope of work.

Tasks	Labor Hours					Labor Dollars	Other Costs	Total Fee
	Project Manager	Engineer	Dr. Yates	Admin	Total			
Task 1. Update Climate Change Data	10	60	48	-	118	\$ 19,800	\$ 400	\$ 20,200
Task 2. Split Treated vs Untreated MWD Water	10	32	-	-	42	\$ 7,980	\$ -	\$ 7,980
Task 3. Poseidon Scenarios, including SARCCUP	40	72	-	-	112	\$ 22,680	\$ -	\$ 22,680
Task 4. Assess Benefit of New Reservoir Storage	10	24	-	-	34	\$ 6,660	\$ -	\$ 6,660
Task 5. PM, Meetings and TM	48	48	8	16	120	\$ 23,920	\$ 150	\$ 24,070
Total	118	236	56	16	426	\$ 81,040	\$ 550	\$ 81,590
<i>Billing Rate (\$/Hour)</i>								
	\$270	\$165	\$150	\$115				

The total budget for the amended scope of work is \$81,590. The net additional budget needed for this scope of work is \$81,590 less \$37,577 = \$44,013. We believe this work can be completed in four to five months. If you should have any questions, please do not hesitate to contact me at 213-798-6142.

Sincerely,

Dan Rodrigo
Sr. Vice President
CDM Smith Inc.

cc: Lanaya Voelz, CDM Smith





CONSENT CALENDAR ITEM

March 15, 2017

TO: Board of Directors

FROM: **Planning & Operations Committee**
(Directors Dick, Tamaribuchi, Yoo Schneider)

Robert Hunter
General Manager

Staff Contact: Kelly Hubbard
WEROC Manager

SUBJECT: WEROC Radio System Replacement Evaluation

STAFF RECOMMENDATION

It is requested that the P&O Committee recommends that the Board of Directors directs staff to explore the best radio replacement solution for the WEROC radio including holding discussions with the WEROC funding agencies and the MWDOC member agencies; it is recommended that WEROC submits a formal request for permission to join the Orange County Sheriff's Department 800 MHz Radio Program as a Participating Agency. Staff will come back to the board with final proposed solutions and costs for approval.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

The WEROC Radio System has had a number of recent problems with clarity of communications; the current problems are more severe than other problems that have occurred now for many years. Staff was under the belief that the radio system would need replacing in the next several years, but now would like to advance the schedule. WEROC staff has spent significant time and money in researching, trouble shooting and repairing or replacing individual components of the system over the last five years or so, and the more recent problems have seemed to accelerate. In considering possible solutions for the WEROC radios, staff contacted METs Communications staff and Orange County Sheriff's Communications staff to identify options for long term solutions, including the pros and cons of each. At this time, WEROC staff believes that the best solution is to join the OC Sheriff's

Budgeted (Y/N): N	Budgeted amount: \$0	Core <u>_X_</u>	Choice <u>__</u>
Action item amount:		Line item:	
Fiscal Impact (explain if unbudgeted):			

800 mhz Radio Program. Staff is looking for Board Action to approve moving forward in exploring this solution with the Sheriff's Department and the WEROC Member Agencies.

DETAILED REPORT

The WEROC Radio system most recently experienced interference/static in the system approximately six months ago. This seems to be one of several problems that occur with the radio system over the last couple of years or even longer. Over the last six months, staff has pursued a variety of measures to try to identify the nature of the problem by conducting radio tests from different sites, using different repeaters and having radio technicians participate. The Fountain Valley radio was re-inspected since it was recently moved several times. The testing and site visits have not identified a distinct component to target for repair or replacement (equipment or programming issue) at a specific site. So far, the interference can only be attributed to what is considered normal interference for low-band radio systems. Further investigations would be needed to identify who or what is causing the interference before actions can be initiated to correct or mitigate the interference. For many years, some of the interference was attributed to the MET Member Agency Response System (MARS) radios which were very close in frequency and operating from the same repeater sites as the WEROC radios. MET has since changed their radio system and is no longer a contributing factor. When that problem was occurring, it took well over a year for WEROC staff to identify the MET system as the problem, and was only then able to make that determination after staff became aware of changes in the MET system which helped to locate the problem.

Staff was under the belief that the radio system would need replacing in the next several years, but now would like to advance the schedule rather than spending time, energy and money in correcting a problem with what is becoming an obsolete system. MET had the same type of system and made the change to a digital low band system several years ago; they were only able to make the system work by securing a number of radio frequencies in the same frequency vicinity to make their system work proficiently.

Possible Solutions

In speaking to various radio experts from MET, OC Sheriff's Communications and some private radio technicians, interference is a problem to be expected with low-band radio systems and will be a continual challenge. Furthermore, our radio system is aging and is nearing or at its useful life expectancy. Speaking with these same experts Kelly Hubbard explored possible solutions and considerations for the WEROC radio system.

Possible Solutions with Notes for Each:

1. Keep Current System – Low Band System with WEROC holding the FCC license and member agencies responsible for their own maintenance and upkeep.
 - a. Continued interference with no viable long-term solution (MET's solution was very expensive).
 - b. Agencies are spending money on repairs in addition to what WEROC staff invests.
 - c. Inconsistent programming and upkeep of the system amongst agencies.
 - d. Cost for correcting the current system interference is unknown.
2. Digital Low-Band – Low-band frequency through a digital radio that selects the frequency to be used during each transmission based on clarity.

- a. This is the system that MET converted to. They are very pleased with the resulting clear communications throughout their entire service area.
 - b. Requires the purchase of dozens of frequencies at a very high cost. This took MET several years and cost a considerable sum.
 - c. Low-band is necessary for MET because it is the only system that provides them the geographic coverage they need across the counties they serve and over to Arizona.
3. Independent 800 MHz System – WEROC could explore purchasing its own 800 MHz frequency.
 - a. This is improbable considering the high demand for 800 MHz and the high costs of frequencies within this band.
4. OC Sheriff's Department Communications Mutual Aid Frequency – The County system offers the ability to add on to their system to establish a group frequency and to jointly share in the system cost with other entities.
 - a. This does not create a separate channel for WEROC Member Agencies. We would be grouped in with another "mutual aid radio group" that makes sense to our mission. For example, one possibility could be the "OC Public Works Group." During an event WEROC agencies would share this channel with whichever Mutual Aid group we joined.
 - b. Once a mutual aid group is identified that makes sense for us to join, we would need to ask that group for permission to join.
 - c. Clear communications are expected throughout the county for WEROC Member Agencies, but would be tested prior to joining the system.
 - d. This appears to be a relatively inexpensive solution in that it only requires new radios (estimated cost at about \$3,500 per radio) and programming (\$50 per radio) for most of the WEROC agencies (some of the agencies may already be part of the existing system and may only need re-programming at \$50 per radio). It does not include annual maintenance of the system or radios.
 - i. Agencies that already have 800MHz radios would only cost \$50 for programming. This would mostly apply to Cities.
 - ii. Maintenance and upkeep would remain with the member agencies.
 - e. Cost savings of approximately \$20,000 to eliminate the Catalina Island Repeater Site Lease.
5. OC Sheriff's Department Communications WEROC Channel - This option would create a "WEROC Channel" within the current 800 MHz system, with WEROC and its agency's as "Participating Agencies."
 - a. This option provides a WEROC specific channel, with the ability to be "patched in" with other operations, such as fire, law, public works, etc. at the time of a disaster is needed.
 - b. WEROC would have to request permission from the 800MHz Governance Committee to join the system. The Governance Committee is managed by the OC Sheriff's Communications and Technology Division, and its members include four City Managers and representative of 3 County Departments (Sheriff, Public Works, and Chief Executive Office (CEO)).
 - c. Clear communications are expected throughout the county for WEROC Member Agencies, but would be tested prior to joining the system.

- d. There may be some cost savings in switching to this system, with agencies who already 800MHz members. Most of the cities and maybe a district or two are already members.
- e. Annual maintenance of the system and individual agency radios would be consistent and provided through the OC Sheriff's Communications and Technology Division.
- f. In total to provide each WEROC Member Agency with one radio, one at the South EOC and one at Fountain Valley, the estimated initial cost will range between \$120,000 and \$185,000 (the range is provided because we are not sure which agencies have existing compatible radios) and the annual cost is estimated at \$12,000 to \$14,000 per year for the annual maintenance. Agencies could opt to have additional radios if they choose to at the additional costs below.
 - i. Program includes one-time initial set-up fees of Template Development Fee (\$2,840), radio equipment if needed (est. \$3,500), and a system entry fee (\$2,480) or programming fee (\$50), if already a participating agency and radio within the system. Once the system is set-up, there is an annual access fee (\$250 per radio per year) and maintenance fee (\$96-132) per radio per year within the system.
- g. Cost savings of approximately \$20,000 a year to eliminate the Catalina Island Repeater Site Lease.

Staff Recommendation

Staff believes that Option 5, the OC 800MHz system is the best solution moving forward economically and most importantly for reliability. There are still several steps needed to narrow down the actual cost of participation and to make a final determination on whether this is the best option for WEROC's Member Agencies. First, WEROC staff wants to work closely with the WEROC Member Agencies to ensure that this solution is one that would be preferred, to determine what their preferred radio location would be, and if their participation level would include multiple radios (2 or more). Additionally, staff will need to work with the Sheriff's Communications group to ensure the system will work at all our Member Agency sites. We would also determine which WEROC agencies already have radios within the 800 MHz system and what types of radios will be needed for each agency, to come up with an exact cost for initial installation and for ongoing system access and maintenance costs.

To continue in this exploration process, staff would like to move forward with formally requesting permission via a Letter of Request to the 800MHz Governance Committee to join the 800MHz radio system. This committee only meets quarterly and its next meeting is in April. By making this request, MWDOC is not committed to joining the program, however staff want to ensure that this possible solution is not delayed further by having to wait for the Committee's next quarterly meeting in July or August.

Staff recommends the Board of Directors direct staff to explore the best radio replacement solutions with the WEROC Member Agencies, as well as to move forward with the formal request for permission to join the Orange County Sheriff's Department 800 MHz Radio Program as a Participating Agency. Staff will come back to the board with final proposed solutions and costs for approval.



CONSENT CALENDAR ITEM

March 15, 2017

TO: Board of Directors

FROM: **Planning & Operations Committee**
(Directors Dick, Yoo Schneider, Tamaribuchi)

Robert Hunter
General Manager

Staff Contact: Karl Seckel

SUBJECT: APPROVE PARTICIPATION IN THE CENTER FOR DEMOGRAPHIC RESEARCH

STAFF RECOMMENDATION

Staff recommends the Board of Directors: Approve participation in the Center for Demographic Research for fiscal years 2017-18 (\$43,802.57), 2018-19 (\$47,044.26), and 2019-20 (\$50,155.80). These amounts will be included in the budgets for each of the aforementioned fiscal years.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

The Center for Demographic Research (CDR) produces estimates and projections of demographic variables in Orange County. CDR's demographic data and projections are the "official" ones within Orange County that are built into the overall SCAG forecast for Southern California. CDR is supported and overseen by several governmental agencies (Sponsors) under a Memorandum of Understanding (MOU). MWDOC has historically shared a Sponsorship with OCWD so that each pays only half dues. Staff recommends continuation of this arrangement. The latest MOU covers fiscal years 2017-18, 2018-19, and 2019-20; MWDOC's contributions would be \$43,802.57, \$47,044.26, and \$50,155.80, respectively.

Budgeted (Y/N): Yes	Budgeted amount: \$43,802.57
Action item amount: \$43,802.57 for 2017-18	Line item:
Fiscal Impact (explain if unbudgeted): Additional amounts will be budgeted for 2018-19 and 2019-20. Participation will not be brought back to the Board unless changes to these amounts are required.	

The current membership includes:

- OC Transportation Authority
- OC Council of Governments
- County of Orange
- OC Sanitation District
- Transportation Corridor Agencies
- Southern California Association of Governments
- MWDOC
- OCWD
- OC LAFCO (affiliate member/non-voting)

CDR's regular products include:

- Orange County Progress Report, annual
- Orange County Projections OCP-2016 (demographic projections out to Year 2040)
- Orange County Facts and Figures
- Orange County Profiles (a quarterly on OC demographic issues)
- Housing Inventory
- Population, Housing, Employment by Transportation Analysis Zones
- Census Data
- Disaggregate of OCP-2016 to Special District Sponsor Agencies

In addition to its regular products, CDR contracts for specific projects with a variety of public agencies. CDR's charges are less than private sector charges because CDR uses graduate student labor.

CDR is supported and overseen by several governmental agencies that have joined in a Memorandum of Understanding (MOU) to create the CDR Management Oversight Committee. Payment of dues entitles representation on the Committee. Our current Representative on the CDR Management Oversight Committee is Joan Finnegan; she is backed up by Director Brett Barbre.

MEMORANDUM OF UNDERSTANDING
by and between
ORANGE COUNTY INTERESTS
and
CSU FULLERTON AUXILIARY SERVICES CORPORATION
for the
CONTINUED OPERATION OF THE CENTER FOR DEMOGRAPHIC RESEARCH
AT CALIFORNIA STATE UNIVERSITY, FULLERTON

This Memorandum of Understanding ("MOU") is entered into between the County of Orange, Transportation Corridor Agencies, Orange County Sanitation District, Orange County Transportation Authority, Municipal Water District of Orange County, Orange County Water District, Orange County Council of Governments, and Southern California Association of Governments ("SPONSORS"); the Orange County Local Agency Formation Commission ("CONTRIBUTING PARTNERS") and the CSU Fullerton Auxiliary Services Corporation, ("ASC"), which is a 501 (c)3 California corporation organized under California law as an auxiliary organization of California State University, Fullerton ("CSUF"). This MOU is for the development of demographic data and related support products. Obligations and rights specified for CSUF in the MOU shall be exercised by the ASC.

WHEREAS, the development of demographic and related information for Orange County is a vital data source used for a wide range of local, subregional and regional applications, including, transportation infrastructure planning, facilities planning and timing, development of fee programs, bond revenue stream analysis, general planning and other applications; and

WHEREAS, a number of primary users of data in Orange County have recognized the benefit of having a local area expertise in developing demographic projections and associated products; and

WHEREAS, these SPONSORS, CONTRIBUTING PARTNERS, and California State University, Fullerton agree on the importance of having a single entity in Orange County developing demographic products and providing such products to data users; and

WHEREAS, these agencies also desire to establish a long-term process which allows each individual agency participation in the development and review of demographic products; and

WHEREAS, the Center for Demographic Research ("CDR") located at CSUF provides an opportunity to place demographic activities in a setting that accomplishes SPONSORS' and CONTRIBUTING PARTNERS' objectives and provides augmented educational opportunities for CSUF; and

WHEREAS, CSUF will be listed as a "SPONSOR" based upon their financial contribution as outlined in the budget in Attachment 1 and in-kind contributions for the balance of the remaining Sponsor seat; and

WHEREAS, the SPONSORS and CSUF have worked cooperatively in supporting and organizing the Center for Demographic Research for eighteen years and wish to continue their cooperation; and

WHEREAS, the CONTRIBUTING PARTNERS wish to participate in supporting the Center for Demographic Research beginning in Fiscal Year 2017/2018; and

NOW, THEREFORE, IT IS RESOLVED that the SPONSORS, CONTRIBUTING PARTNERS, and the ASC agree as follows:

- I. The SPONSORS and CONTRIBUTING PARTNERS will fund the CDR for the next three years, subject to an annual review and two one-year options by the SPONSORS and CONTRIBUTING PARTNERS, for an annual total fee as set forth in Item IV below and Attachment 1.

- II. Process and Structure

- A. Orange County Projections

The Orange County Council of Governments (“OCCOG”) will be responsible for the approval of the Orange County Projections at the Regional Statistical Area level and subsequent to that action the County of Orange will approve the Orange County Projections. The OCCOG will work with CDR staff to integrate the Orange County Projections as approved into the Southern California Association of Governments (“SCAG”) Regional Growth Forecast. Sponsors will make good faith efforts to use the Orange County Projections data in all future forecasting and planning efforts.

- B. Management Oversight

The Management Oversight Committee (“MOC”) shall meet at least four (4) times each year to (1) consider policy matters associated with the operations of the Center for Demographic Research, (2) review products status and activities which are part of the core Work Program, (3) review the Center for Demographic Research’s financial status and status of annual MOU signatures, (4) set CDR budget and modify staff salaries funded by this MOU (5) consider requests from additional agencies wishing to become sponsors or contributing partners, (6) modify budget and work program upon addition or termination of a sponsor or contributing partner, (7) address other matters vital to the function of the Center for Demographic Research, and (8) undertake additional tasks as requested by the SPONSORS.

The Management Oversight Committee will be comprised of staff representing the SPONSORS, CONTRIBUTING PARTNERS and CSUF. Each SPONSOR will have one voting member of equal standing on the Management Oversight Committee including one member jointly representing the Municipal Water District of Orange County and the Orange County Water District; each CONTRIBUTING PARTNER will have one non-voting Ex-Officio member. The designees from each

SPONSOR, CONTRIBUTING PARTNER, and the university shall be named by July 1 of each year. An organization may also designate an individual(s) to serve as an alternate member of the Management Oversight Committee. The committee chair and vice-chair will be elected for a three-year term.

C. Technical Oversight:

The Technical Advisory Committee (“TAC”) provides technical guidance and input into the development of each product produced under this MOU before they are reviewed by the Management Oversight Committee. The Technical Advisory Committee advises the Director of the Center for Demographic Research, as well as reports to the Management Oversight Committee. The Committee will include one voting representative from each SPONSOR including a member representing the Municipal Water District of Orange County and the Orange County Water District; each CONTRIBUTING PARTNER will have one non-voting Ex-Officio member. University participation on the Technical Advisory Committee will include at least one voting member from CSUF, and one voting member each from the University of California, Irvine and Chapman University. The Director of the Center for Demographic Research will coordinate with research centers at these universities to ensure data consistency. The designees from each SPONSOR, CONTRIBUTING PARTNER, and agency shall be named by July 1 of each year. The committee chair and vice-chair will be elected for a three-year term.

The Technical Advisory Committee shall schedule at least four (4) meetings each year. It will (1) provide a report to the Management Oversight Committee summarizing its meetings, (2) provide advice on the approach, techniques, data sources and methods used to develop new products, (3) facilitate the acquisition of data necessary to produce products, (4) provide suggestions on the interpretation and analysis incorporated into deliverables, (5) provide input on assumptions for the development of the growth projections, (6) provide review of deliverables prior to approval by the Management Oversight Committee and (7) undertake other tasks as identified by the Management Oversight Committee.

D. Transportation Modeling Data

The Orange County Transportation Authority (“OCTA”) will be responsible for the approval of all transportation modeling variables used in the Orange County Transportation Analysis Model (“OCTAM”) at the Traffic Analysis Zone level. The transportation modeling variables shall be consistent with the Orange County Projections, as approved by the Orange County Council of Governments and the County of Orange at the Regional Statistical Area Level. The OCTA and SCAG will exercise user agreements for their consultants to access the transportation modeling variables.

III. Duration and Terminations

This agreement will become effective upon execution and ends on June 30, 2020. A review of the performance of the Center for Demographic Research in meeting its obligations under this MOU will be conducted by the Management Oversight Committee throughout the term July 2017 through June 2020. This MOU may be extended and/or amended by mutual agreement of all signatories.

A party may terminate its participation under this MOU by giving each of the other parties sixty (60) days written notice thereof. Upon said notice of termination, the SPONSOR or CONTRIBUTING PARTNER terminating its participation shall pay the balance of fees owed by the SPONSOR or CONTRIBUTING PARTNER for that given fiscal year. Each fiscal year, the SPONSORS and CONTRIBUTING PARTNERS shall review and approve in writing the MOU, work program, and funding arrangement. Such written approval shall constitute a SPONSOR'S or CONTRIBUTING PARTNER'S agreement to participate in this Agreement. In the event that ASC wishes to terminate its participation, it shall reimburse the SPONSORS and CONTRIBUTING PARTNERS any advance payments, less an amount to cover expenses related to work in progress and less costs reasonably necessary to effect such termination. If a party wishes to withdraw from the agreement, said notice shall be affected by delivery of such notice in person or by depositing said notice in the United States mail, registered or certified mail, return receipt required, postage prepaid.

IV. Funding and Schedule

Respective fees shall be as follows for the following fiscal year:

Payment Schedule for 2017-2020	2017-2018	2018-2019	2019-2020	Three Year Total
Orange County Transportation Authority	\$87,605.14	\$94,088.52	\$100,311.60	\$282,005.26
County of Orange	\$87,605.14	\$94,088.52	\$100,311.60	\$282,005.26
Orange County Council of Governments	\$87,605.14	\$94,088.52	\$100,311.60	\$282,005.26
Orange County Sanitation District	\$87,605.14	\$94,088.52	\$100,311.60	\$282,005.26
Transportation Corridor Agencies	\$87,605.14	\$94,088.52	\$100,311.60	\$282,005.26
Southern California Association of Governments	\$87,605.14	\$94,088.52	\$100,311.60	\$282,005.26
Municipal Water District of Orange County	\$43,802.57	\$47,044.26	\$50,155.80	\$141,002.63
Orange County Water District	\$43,802.57	\$47,044.26	\$50,155.80	\$141,002.63
Orange County Local Agency Formation Commission	\$16,000.00	\$16,000.00	\$16,000.00	\$48,000.00
TOTAL	\$629,235.98	\$674,619.64	\$718,181.20	\$2,022,036.82

Payments shall be made in accordance with invoicing policies of the ASC according to the schedule below. SPONSORS and CONTRIBUTING PARTNERS will be invoiced at the beginning of each quarter. Quarterly payments equal to 25% of the annual fees shall follow invoices submitted according to the calendar below:

Fiscal Year 2017/2018:	July 2017, October 2017, January 2018, April 2018
Fiscal Year 2018/2019:	July 2018, October 2018, January 2019, April 2019
Fiscal Year 2019/2020:	July 2019, October 2019, January 2020, April 2020

SPONSORS and CONTRIBUTING PARTNERS shall pay one-quarter of their annual fees upon receipt of said invoices or may prepay for an entire fiscal year. Prepayment does not imply a discounted rate.

V. Administrative Representatives

- A. The Principal Investigator for the operations and management of the Center for Demographic Research and the conduct of this MOU is Deborah Diep, Director. The Assistant Director, Scott Martin, will serve as the Principal Investigator in the Director's absence. They are authorized to negotiate supplemental services with the SPONSORS, CONTRIBUTING PARTNERS, and Non-sponsors as noted in Section VII. Denise Bell, Director, ASC Office of Sponsored Programs, is designated as the administrative representative for the ASC. Should the Principal Investigators become unavailable for any reason, no other Principal Investigator shall be chosen by CSUF or the ASC without the approval of the SPONSORS. Furthermore, the ASC agrees that the Management Oversight Committee shall make the recommendation on the selection of the Director or interim Director of the Center for Demographic Research and no Director or interim Director shall be appointed without approval of the Management Oversight Committee. The Management Oversight Committee will serve as the search committee if a search committee for the Director is required by the ASC.
- B. Equipment and furniture purchased by ASC under the terms of this MOU shall remain the property of the SPONSORS. In the event that the Center for Demographic Research is disbanded, the equipment remains the property of the SPONSORS and the Management Oversight Committee shall determine its disposition.
- C. Databases and applications developed and maintained for the Center for Demographic Research purposes shall remain under control of the SPONSORS. In the event that Center for Demographic Research is relocated from CSUF, all Center for Demographic Research functions and designations shall accompany the Center for Demographic Research.

VI. Additional Sponsorships and Revenues

Other agencies and entities can become sponsors or contributing partners of the Center for Demographic Research with unanimous agreement among the SPONSORS as determined by a vote of the Management Oversight Committee. Adjustments in sponsor fees found necessary resulting from the addition of sponsors shall be determined by the

Management Oversight Committee with consultation from the Center for Demographic Research Principal Investigators.

The disposition of additional revenues generated through additional sponsors, and the sale of products and services to non-sponsors shall be determined by the Management Oversight Committee. The additional funds shall be prorated according to the respective sponsor fee. SPONSORS shall have the option of expending their share of the additional funds on CDR activities, products or equipment or having the funds returned to the SPONSORS at the end of the fiscal year.

VII. Products and Deliverables

- A. The Center for Demographic Research will produce the identified core Demographic Products and Services as described in Attachment 2 and listed in Attachment 3. Each SPONSOR will receive ten (10) copies in printed form and one (1) copy of estimates and projections in electronic form.
- B. The SPONSORS and CONTRIBUTING PARTNERS have the right to request supplemental products and support services from the Center for Demographic Research through a purchase order. Projects above the amount of \$25,000 shall be approved by the ASC. Such purchases may be entered into if the SPONSOR or CONTRIBUTING PARTNER agrees to pay ASC all additional costs resulting from the additional products or services, including an indirect cost of 26%, and if the activities do not interfere with the normal functioning of the CDR. If requests for additional products or services require interference with the normal functioning of the CDR as determined by the Management Oversight Committee or additional resources from the CDR's basic budget the proposal for such products and services will be forwarded to the Management Oversight Committee for their advice and consent prior to finalization of the agreement. In all cases, supplemental work for SPONSORS and CONTRIBUTING PARTNERS shall be assessed indirect costs of 26%.
- C. Non-sponsors can contract with the Center for Demographic Research through the ASC for its services or obtain supplemental products and support services from the Center for Demographic Research through a Non-sponsor purchase order. A list of these projects will be submitted to the MOC on a quarterly basis. If the Director assesses a proposed project contains a conflict of interest, conflict of time commitment, or interference with the normal functioning of CDR, the Management Oversight Committee will be informed of the request for services and will review it for any potential conflicts. The Director shall notify the Management Oversight Committee of any such proposed agreement and provide the committee with draft text and budget, before the intended start of work. The Management Oversight Committee shall review the proposed project for possible conflicts of interests, conflicts of time commitment, and budgetary adequacy. The Management Oversight Committee may at its discretion impose a surcharge of funds to be used at its discretion. Action on these matters may be taken only with the concurrence of

a majority of the members of the Management Oversight Committee and all such supplemental work for Non-sponsors shall be assessed normal indirect costs of 26%.

- D. Use of revenues generated by the sale of products produced by the Center for Demographic Research shall be determined by the Management Oversight Committee. A quarterly report on product sales will be presented to the Management Oversight Committee.
- E. Additional projects should not adversely affect the schedule of deliverables unless otherwise agreed to by the Management Oversight Committee.

VIII. Sponsorship

This Agreement shall be signed by all SPONSORS and CONTRIBUTING PARTNERS by June 30, 2017 with the exception of the Southern California Association of Governments. The Southern California Association of Governments shall sign this Agreement by September 30, 2017. If all SPONSORS and CONTRIBUTING PARTNERS listed in Section XVIII do not sign by September 30, 2017, the work program and budget will be modified to reflect the committed funding. If any SPONSOR or CONTRIBUTING PARTNER does not sign this Agreement, the funding amounts of the remaining SPONSORS and CONTRIBUTING PARTNERS will not change. The remaining SPONSORS and CONTRIBUTING PARTNERS are not required to make up the difference in the reduced budget. Any SPONSOR or CONTRIBUTING PARTNER listed as an ORANGE COUNTY INTEREST that does not sign this Agreement forfeits all rights, services, and privileges as a CDR SPONSOR or CONTRIBUTING PARTNER unless otherwise negotiated. A formal status report on execution will be delivered at each Management Oversight Committee meeting until all SPONSORS and CONTRIBUTING PARTNERS sign this Agreement.

IX. Liability and Insurance

Each party to this MOU hereby assumes any and all risks for personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees, and agents thereof. ASC warrants that it has adequate Worker's Compensation Insurance and liability insurance for its own employees. The ASC, the SPONSORS (the County of Orange, Transportation Corridor Agencies, Orange County Sanitation District, Orange County Transportation Authority, Municipal Water District of Orange County, Orange County Water District, Orange County Council of Governments, and Southern California Association of Governments), and the CONTRIBUTING PARTNERS (the Orange County Local Agency Formation Commission) agree to indemnify and hold each other, their respective officers, employees, students, agents, harmless from and against all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result

from negligent or intentional acts or omissions of the indemnifying party, its officers, employees, students or agents.

X. Independent Contractor

In the performance of all services and obligations under this agreement, SPONSORS, CONTRIBUTING PARTNERS, and ASC shall act as independent contractors. None shall be considered an employee or agent of the other.

XI. Use of Names

SPONSORS and CONTRIBUTING PARTNERS agree not to use the names of the ASC or CSUF in any commercial connection with work performed under this Agreement without prior written permission from the ASC. SPONSORS and CONTRIBUTING PARTNERS may use said names in ordinary internal business reports concerning this Agreement and may use the names of the Center for Demographic Research and the Principal Investigators in non-commercial publicity announcing the results of the project.

ASC agrees not to use the names of SPONSORS and/or CONTRIBUTING PARTNERS in any commercial connection with this work without prior written permission from SPONSORS and/or CONTRIBUTING PARTNERS. ASC may use SPONSORS' and/or CONTRIBUTING PARTNERS' name in ordinary internal business reports concerning this agreement and in non-commercial publicity announcing the awarding of the contract.

The provisions of this Section of the Agreement shall survive for two (2) years beyond any termination date specified in Section III or any extension thereof.

XII. Force Majeure

SPONSORS, CONTRIBUTING PARTNERS, and ASC shall not be liable or deemed to be in default for any delay or failure in performance under this Agreement or interruption of services resulting, directly or indirectly, from acts of God, civil or military authority, acts of public enemy, strikes, labor disputes, or any similar cause beyond the reasonable control of SPONSORS, CONTRIBUTING PARTNERS, or ASC, provided the affected party notifies the other party of the delay in writing within ten days of the onset of the delay.

XIII. Assignment

This Agreement shall inure to the benefit of and be binding upon and enforceable by the parties and their successors and permitted assigns. However, neither party may assign any of its rights or obligations under this Agreement without the prior written consent of the other.

XIV. Modification and Waiver

None of the terms of the Agreement may be waived or modified except by an express agreement in writing signed by SPONSORS, CONTRIBUTING PARTNERS, and ASC. Modifications not documented in writing cannot be enforced. The failure or delay of either party in enforcing any of its rights under this Agreement shall not be deemed a continuing waiver or a modification by such party of such right.

XV. Governing Law

The validity and interpretation of this Agreement shall be governed by the laws of the State of California.

XVI. Federal Statutes Relating to Nondiscrimination

ASC will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S. C. sections 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S. C. section 794), which prohibits discrimination on the basis of handicaps; (d) Age discrimination Act of 1975, as amended (42 U.S.C. sections 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment, and Rehabilitation Act of 1970 (P.O. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) sections 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-d and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. section 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirement of any other federal nondiscrimination statute(s) which may apply to the application.

XVII. Notices

Notices under this agreement shall be considered to be given if delivered by first class mail to the following addresses:

For SPONSORS:

Carolyn McInerney
County of Orange
10 Civic Center Plaza, 3rd Floor
Santa Ana, CA 92701

Marnie O'Brien Primmer
Orange County Council of Governments
c/o Marika Poynter, Irvine Planning Department
One Civic Center Plaza
Irvine, CA 92623-9575

James D. Herberg
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92738-8127

Kurt Brotcke
Orange County Transportation Authority
550 S. Main Street
2nd Floor, Suite 220
Orange, CA 92613-1584

Hasan Ikhata
Southern California Association of Governments
c/o Joann Africa, SCAG Counsel
818 West Seventh Street, 12th Floor
Los Angeles, CA 90017-3435

Valarie McFall
Transportation Corridor Agencies
125 Pacifica, Suite 100
Irvine, CA 92618-3304

Robert Hunter
Municipal Water District of Orange County
18700 Ward Street
Fountain Valley, CA 92728

Michael R. Markus
Orange County Water District
18700 Ward Street
Fountain Valley, CA 92728-8300

For CONTRIBUTING PARTNERS:

Carolyn Emery
Orange County Local Agency Formation Commission
2677 N. Main Street, Suite 1050
Santa Ana, CA 92705

For CSU FULLERTON AUXILIARY SERVICES CORPORATION

Denise Bell, Director, Sponsored Programs
CSU Fullerton Auxiliary Services Corporation
1121 N. State College Blvd.
Fullerton, CA 92831-3014

XVIII. Execution

IN WITNESS THEREOF, the SPONSORS, CONTRIBUTING PARTNERS, and the ASC have executed this Agreement on the date first herein written. This Agreement is to be signed in counter parts.

For the CSU Fullerton Auxiliary Services Corporation:

Frank Mumford, Executive Director

Date

For the County of Orange:

Frank Kim, County Executive Officer

Date

For the Orange County Council of Governments:

Marnie O'Brien Primmer, Executive Director

Date

For the Orange County Sanitation District:

James D. Herberg, General Manager

Date

For the Orange County Transportation Authority:

Darrell Johnson, Chief Executive Officer

Date

For the Southern California Association of Governments:

Hasan Ikhrata, Executive Director

Date

For the Foothill/Eastern Transportation Corridor Agency:

Michael Kraman, Chief Executive Officer

Date

For the San Joaquin Hills Transportation Corridor Agency:

Michael Kraman, Chief Executive Officer

Date

For the Municipal Water District of Orange County:

Wayne Osborne, President of the Board

Date

Robert Hunter, General Manager

Date

For the Orange County Water District:

Denis R. Bilodeau, P.E., President

Date

Michael R. Markus, General Manager

Date

For the Orange County Local Agency Formation Commission:

Derek J. McGregor, Chair

Date

**Attachment 1: Center for Demographic Research
Annual Budget: July 1, 2017 through June 30, 2020**

	2017-18	2018-19	2019-20	
Salaries	\$342,204.62	\$363,939.40	\$391,849.90	
Benefits	\$157,727.36	\$167,011.24	\$178,673.30	
Supplies	\$7,000.00	\$7,000.00	\$7,000.00	
Printing & Publications	\$4,000.00	\$9,000.00	\$4,000.00	
Meetings, Mileage, & Training	\$1,000.00	\$1,000.00	\$1,000.00	
Equipment	\$500.00	\$500.00	\$500.00	
Expenses	\$512,431.98	\$548,450.64	\$583,023.20	
26% Indirect Cost (IDC) / Overhead	\$133,233.00	\$142,598.00	\$151,587.00	
40% of office space rent not paid through IDC (office space rent is exempt from overhead)	\$31,686.53	\$31,686.53	\$32,313.98	
Gross Total	\$677,351.51	\$722,735.17	\$766,924.18	
University will contribute: 40% of office space rent	\$31,686.53	\$31,686.53	\$32,313.98	
HSS Dean will contribute \$16,429 to Administrative Asst salary	\$16,429.00	\$16,429.00	\$16,429.00	
Monetary Subtotal	\$48,115.53	\$48,115.53	\$48,742.98	
NET CDR BUDGET TOTAL	\$629,235.98	\$674,619.64	\$718,181.20	
Number of Seats				
OCTA	1	\$87,605.14	\$94,088.52	\$100,311.60
COUNTY	1	\$87,605.14	\$94,088.52	\$100,311.60
OCCOG	1	\$87,605.14	\$94,088.52	\$100,311.60
OCSO	1	\$87,605.14	\$94,088.52	\$100,311.60
TCA	1	\$87,605.14	\$94,088.52	\$100,311.60
SCAG	1	\$87,605.14	\$94,088.52	\$100,311.60
MWDOC	0.5	\$43,802.57	\$47,044.26	\$50,155.80
OCWD	0.5	\$43,802.57	\$47,044.26	\$50,155.80
CSUF	1	see above	see above	see above
CONTRIBUTING PARTNER: LAFCO		\$16,000.00	\$16,000.00	\$16,000.00
TOTAL	8	\$629,235.98	\$674,619.64	\$718,181.20
Cost per Sponsorship Seat= Net Budget / 7 remaining seats		\$87,605.14	\$94,088.52	\$100,311.60
(Note: New IDC Return Program returns 10% of IDC collected to CDR project. This has been earmarked for a part time GIS Tech/Research Assistant.)				
		\$13,323	\$14,260	\$15,159

Attachment 2

Proposed CDR 2017-2020 Services and Products

REPORTS

Orange County Progress Report

Produce an annual Orange County Progress Report. This document presents a unified and a comprehensive picture of Orange County and its 34 cities including its economic health, its demographic status and trends, and other information of interest to those who might wish to relocate to Orange County, do business in the County, or otherwise have an interest in the economic and demographic status and future of Orange County.

Orange County Projections

Complete OCP-2018 dataset and adoption. Following the adoption of **OCP-2018**, produce a report containing assumptions, tables, charts, maps, and methodology. Preparation and development of **OCP-2022** will begin during this three-year MOU. The OCP dataset contains population, housing, and employment projections by 2010 census tract, jurisdiction, Community Analysis Area, and Regional Statistical Area for a 25-year period. This iteration will incorporate agency boundaries for MWDOC, OCSD, & OCWD.

Orange County Facts and Figures

Update quarterly the Orange County Facts and Figures. This document focuses on the most frequently asked questions about Orange County demographics and related information.

Boundary and Annexation Report

Working with information provided by OC LAFCO, CDR staff will produce an annual report of the jurisdictional boundary changes. This multi-page report will contain a map of the year to year boundary changes and a table listing the area change and specific annexations and incorporations for each calendar year. Detailed annexation and vicinity maps from OC LAFCO's approved changes of organization documents will also be included in the report. For ease of reference and to make the information publically available, the report will be posted on OC LAFCO's website.

PUBLIC INFORMATION SERVICES

Provide Public Information on Orange County Demographics as Requested

Provide information in response to numerous requests made by government agencies, elected officials, private companies, non-profit organizations, schools, students, and citizens regarding demographic and related information about Orange County.

Maintain CDR Homepage

Update the information currently on the CDR homepage on a regular basis and expand as information becomes available.

Provide Information and Analysis to News Media

Provide information, description, interviews, and analysis of demographics to news media to assist them in doing stories where demographics is the focus.

Update RHNA Allocations

Develop allocations of 2012 RHNA for annexations and incorporations as requested. Provide data support to local jurisdictions and SCAG during development of the 2020 RHNA. Monitor RHNA development process to ensure Orange County data is incorporated.

Process Decennial Census and American Community Survey Data

Process Bureau of Census data as it pertains to development of the Orange County Projections and at the request of CDR Sponsors.

DATA BASES

Housing Inventory System

The Housing Inventory System (HIS) is a data system that includes all changes to each jurisdiction's housing stock. Data is collected at the address level and converted into a GIS database by geocoding. After geocoding, quality analysis efforts include tying activity to parcels. Depending on the jurisdiction, different documents are used to record added units including certificates of use and occupancy, utility release log, or building final documents. Demolitions and conversions are recorded through other recordation. Changes to the mobile home inventory will be verified with HCD. This project will be expanded to include an annual review and sign off process by each jurisdiction of their geocoded data to ensure accuracy. HIS will be expanded to include new types of accessory dwelling units per recent legislation (AB 2501, AB 2299 and SB 1069).

Census Data by Partial TAZ

Update the correspondence tables of 2010 Census blocks to the TAZs after release of Census Bureau data and GIS shapefiles. As the various census files become available, transportation modeling variables and other key variables useful for projecting the modeling variables will be aggregated to TAZ.

Calibrate Age Cohort Component, Shift-Share and Headship Rate Models

Based on data from the Census Bureau, DOF, and EDD data, calibrate the models used to project county-wide population, housing and employment.

Master Polygon File

Update master polygon file based on the 2010 Census block file for use in development of OCP dataset and annual population and housing unit estimates. Allocate Census block data to TAZ, CAA, RSA, MWDOC, OCSD, and OCWD. Working with information from OC LAFCO, the master polygon file will be updated annually to include changes to agency boundaries: jurisdiction, MWDOC, OCSD, and OCWD.

Population and Housing Estimates by TAZ (OCP)

Estimates of population and housing by unit type will be developed using the 2010 Census and American Community Survey data at the split TAZ. From 2014 onwards, housing unit changes will be geocoded and aggregated to the TAZ. Annual estimates of population and housing will be produced by TAZ for maintenance of the OCP base file.

Annual Population and Housing Estimates by Partial Census Tract and Sponsor Agency

Estimates of population and housing units developed using the 2010 Census for each of the special district sponsors will be updated annually. From 2014 onwards, annual estimates (January 1) of population and housing will be produced by partial census tract and for each of the special district sponsor agencies: MWDOC, OCSD, and OCWD.

Project Total County Population, Housing, and Employment

Draft assumptions for OCP-2018 will be developed and reviewed by the CDR TAC. These will then be incorporated into the macro level models used to project population, housing, and employment. The resulting projections will be reviewed by the CDR TAC and MOC and then brought to the OCCOG TAC and Board for approval as the controls totals for OCP-2018.

Projected Population, Housing and Employment by TAZ (OCP)

Preparation and development of OCP-2022 will begin during this MOU cycle. Countywide population, housing, and employment for years 2020 through 2045 will be allocated to Traffic Analysis Zones split by jurisdictions. Following the allocation, extensive review and refinement will occur to assure the accuracy of the projections.

Secondary Variables by TAZ (OCTAM)

The basic projected population, housing, and employment from OCP-2014 will be expanded to the 14 OCTAM variables. These variables will include resident population, group quarters population, employed residents, median income, occupied single family dwelling units, occupied multiple family dwelling units, household size, retail employment, service employment, K-12 public school employment, all other employment, school enrollment, university enrollment, and area. Data for the projection years will be updated in the next MOU cycle. Preparation of the base year OCTAM data for OCP-2018 will begin in this MOU cycle.

Consolidated Boundary and Annexation Program (CBAS)

CDR staff will report annual jurisdictional boundary and feature changes through a new, voluntary program of the U.S. Census Bureau that allows for a consolidated annual review of jurisdiction boundaries. This review will be done using the official County Surveyor/OC LAFCO jurisdiction GIS boundary file. Orange County jurisdictions will be able to opt in or out of this CDR service annually. CDR will notify each participating jurisdiction and OC LAFCO of the outcome of the BAS review, i.e. whether there were any areas where jurisdiction boundaries needed to be corrected.

COMMITTEES

Participate in Sponsor Technical Advisory Committees as Requested

Participate in appropriate Sponsor technical advisory committees including, OCCOG TAC, County's Demographic Steering Committee, OCTA's Modeling TAC, Orange County Sanitation District's Planning Advisory Committee, Water Use Efficiency Project Advisory Committee, and SCAG's Technical Working Group and Scenario Planning Model Working Group.

Coordinate with SCAG and SCAG Committees

This service revolves around the incorporation of OCP into the SCAG growth forecast. This service includes participation in SCAG expert panels and workshops to develop assumptions for their population and employment projections; monitoring the discussions relevant to the development of SCAG's growth forecast at SCAG policy committees and subregional coordinator meetings; and coordinating with relevant SCAG staff on this issue.

Coordinate with University Research Centers

CDR staff will coordinate with UCI and Chapman University research centers to ensure consistency between the CDR's forecast and estimates and those produced by these institutes.

2017-2020 LAFCO FUNDED PROJECT: Sphere of Influence Estimates

CDR will update its master polygon file on an annual basis with changes to the sphere of influence (SOI) boundaries. CDR will produce annual estimate of January 1 population and housing for each of the SOI polygons upon completion of the annual Housing Inventory System to maintain this information in preparation for the 2018-2022 OC LAFCO municipal service review cycle.

Boundary and Annexation Report: Working with OC LAFCO over the three-year MOU cycle, CDR will attempt to build a historical reference collection of these reports going back to 2000 as information is available.

NEW PROJECTS & SERVICES

Housing Activity Report

Using information from the Housing Inventory System (HIS), CDR staff will produce an annual report on the housing construction and demolition activity by jurisdiction. Information will be released in aggregate form at the jurisdiction level in a PDF.

State Data Center Affiliate

The CDR will serve as a State Data Center Affiliate to the Demographic Research Unit of the California Department of Finance. As an Affiliate, CDR will assist the SDC and Orange County in disseminating census data and improving public access to census data products consistent with services CDR already provides.

2020 Decennial Census Geographic Support

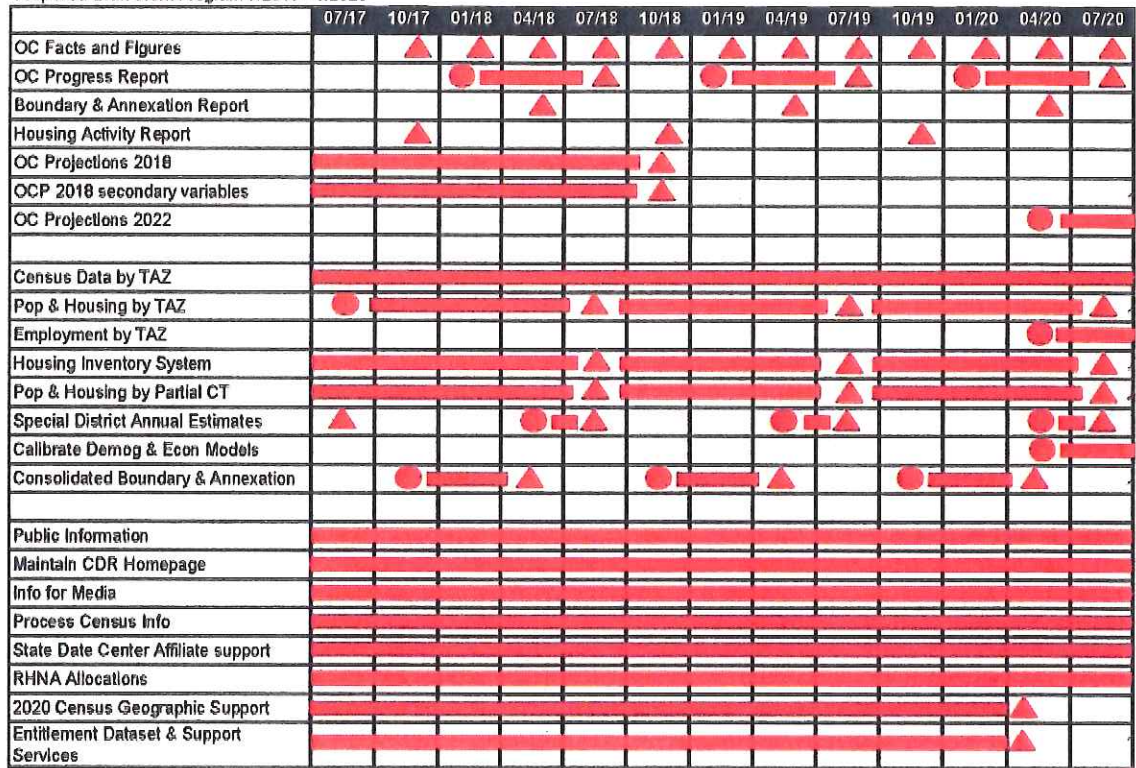
The CDR will participate in the geographic program updates leading up to the 2020 Decennial Census. These will include programs such as the Participant Statistical Area Program (PSAP) to update block group, census tract, and CDP boundaries.

Entitlement Dataset & Support Services

Provide support to Orange County jurisdictions in the development of the entitlements database and other data requested by SCAG during the development of the 2020 RTP/SCS. Monitor development process to ensure Orange County data is incorporated.

Attachment 3

Proposed Draft Work Program 7/2017 - 6/2020



● Startup
▲ Milestone/Completion



CONSENT CALENDAR ITEM

March 15, 2017

TO: Board of Directors

FROM: **Planning & Operations Committee**
(Directors Dick, Tamaribuchi, Yoo Schneider)

Robert Hunter
General Manager

Staff Contact: J. Berg
Director of Water Use Efficiency

SUBJECT: Multi-Family Toilet Rebate Program

STAFF RECOMMENDATION

Staff recommends the Board of Directors authorize staff to administer a Multi-family Toilet Rebate Program utilizing MWDOC's allocation of Metropolitan's Member Agency Administered funding.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

Since 1992, more than 423,000 high water use toilets have been replaced with water efficient toilets in single- and multi-family properties throughout the MWDOC service area. While saturation of water efficient toilets is high, water savings potential remains, especially in multi-family properties. As a result, Metropolitan continues to provide a \$40 rebate for residential toilet replacements through their regional rebate program. This rebate is based on replacing a mix of 3.5 and 1.6 gallon per flush toilets with new toilets that flush 1.06 gallons per flush or less.

DETAILED REPORT

Over the past year, MWDOC has been approached by multi-family property owners inquiring about rebate incentives to replace their high water use toilets. This includes The Irvine Company and Western National Property Management. Western National Property Management is a company that provides property management services and management of their own properties throughout southern California. Both companies indicated the \$40

Budgeted (Y/N): Y	Budgeted amount: \$475,000	Core __	Choice _X_
Action item amount: \$475,000		Line item:	
Fiscal Impact (explain if unbudgeted): Other than staff time to administer the rebate program, all funding will be provided by Metropolitan.			

rebate offered through Metropolitan's regional rebate program was not sufficient to justify the retrofits.

With this input, MWDOC approached Metropolitan to see if a higher rebate could be justified to replace 3.5 gallon per flush toilets. Metropolitan confirmed that if MWDOC verified the higher flush volume toilets, Metropolitan would provide a higher rebate. Based on a water savings of 36 gallons per day per toilet, MWDOC proposed and was given approval for a rebate of \$75 per toilet.

The source of the funding is MWDOC's allocation of \$715,000 from Metropolitan's Member Agency Administered funding pool. Should this allocation go unspent by MWDOC, it will be retained by Metropolitan, and MWDOC will lose access to those funds. Of MWDOC's \$715,000 allocation, staff is proposing that \$475,000 be made available for the Multi-Family Toilet Rebate program. This will allow for the retrofitting of more than 6,250 water wasting toilets. These retrofits will result in annual water savings of 252 acre feet or 2,527 acre feet over 10n years. The cost per acre foot saved is 188.

The program will target verified 3.5 gpf or greater toilets and replace them with premium high efficiency toilets flushing from 0.8 to 1.06 gpf. As required by Metropolitan, MWDOC and member agency staff will verify through visual on-site inspections a minimum of 10% of the existing 3.5 gpf toilets to be replaced. The project timeline is approximately March 15, 2017 to June 15, 2017. Should Metropolitan provide additional funding, the number of toilets targeted could increase, along with an extended program implementation timeline. MWDOC will administer the rebates in-house and will issue rebate checks to the property owner on a property-by-property basis.

**CONSENT CALENDAR ITEM**

March 15, 2017

TO: Board of Directors**FROM:** **Public Affairs & Legislation Committee**
(Directors Dick, Tamaribuchi and Yoo Schneider)Robert Hunter
General Manager

Staff Contact: Heather Baez

SUBJECT: TRAVEL TO WASHINGTON D.C. TO COVER FEDERAL INITIATIVES**STAFF RECOMMENDATION**

Staff recommends the Board of Directors receive and file the report.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

REPORT

For the second quarter (Oct.-Dec. 2016) of fiscal year 2016-2017, one trip was taken.

The following is budgeted for fiscal year 2016/2017 for **staff**:

Washington Legislative Travel - \$11,000

- Total cost for this quarter: \$3,000

The following is budgeted for fiscal year 2016/2017 for **directors**:

Washington Legislative Travel - \$11,000

Budgeted (Y/N): Yes	Budgeted amount: Washington Legislative Advocacy - \$11,000/each for staff and directors.	Core <u>X</u>	Choice <u> </u>
Action item amount: n/a		Line item:	
Fiscal Impact (explain if unbudgeted): Within projected budget			

- Total cost for this quarter: \$1500

Projecting out for the 3rd Quarter of fiscal year 2016/2017

- January 11-13 – Director Barbre + 1 staff, \$2,500 estimated total costs
- February 28-March 2 – Directors Tambaribuchi, Thomas & Barbre + 2 staff (a portion of this trip is budgeted under the ACWA DC conference cost section)

This advocacy trip focused on the importance of the CA WaterFix (federal permits and funding), benefits California has received due to the passage of S.612, the drought bill, promoting the upcoming DC luncheon, and visits to representative offices to discuss long term conservation and tax parity water rebate issues (turf removal program, et al).

**CONSENT CALENDAR ITEM**

March 15, 2017

TO: Board of Directors**FROM:** **Public Affairs & Legislation Committee**
(Directors Dick, Tamaribuchi and Yoo Schneider)Robert Hunter
General Manager

Staff Contact: Heather Baez

SUBJECT: TRAVEL TO SACRAMENTO TO COVER STATE INITIATIVES**STAFF RECOMMENDATION**

Staff recommends the Board of Directors receive and file the report.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

REPORT

For the second quarter (Oct.-Dec. 2016) of fiscal year 2016-2017, one trip was taken.

- December 1 – Director Barbre

The following is budgeted for fiscal year 2016/2017 for **staff**:

Sacramento Legislative Travel - \$9,500

- Total cost for this quarter: \$0

Budgeted (Y/N): Yes	Budgeted amount: Sacramento Legislative Advocacy - \$9,500/staff; \$4,000/directors.	Core <u>X</u>	Choice ____
Action item amount: n/a		Line item:	
Fiscal Impact (explain if unbudgeted): Within projected budget			

The following is budgeted for fiscal year 2016/2017 for **directors**:

Sacramento Legislative Travel - \$4,000

- Total cost for this quarter: \$500

The purpose of this trip was to attend the California Public Utilities Commission hearing and testify in support of the South Orange County Reliability Enhancement project to improve safety and reliability for South Orange County customers in SDG&E's service area.

Projecting out for the 3rd Quarter of fiscal year 2016/2017

- Upcoming trips:

January 17-18 – Heather Baez

February 8 & 10 – Heather Baez & Joe Berg

March 3 – Heather Baez

March 24 – Heather Baez

The purpose of these trips are to meet with members of the delegation, attend the ACWA State Legislative Committee meetings and State Water Resources Control Board meetings.

**CONSENT CALENDAR ITEM**

March 15, 2017

TO: Board of Directors**FROM:** **Public Affairs Legislative Committee**
(Directors Tamaribuchi, Dick, and Yoo Schneider)Robert Hunter
General Manager

Staff Contact: Heather Baez

SUBJECT: H.R. 23 (Valadao, R-CA) – Gaining Responsibility on Water Act of 2017**STAFF RECOMMENDATION**

Staff recommends the Board of Directors take a support position on H.R. 23 and send a letter to the bill's author and members of the Orange County Congressional delegation.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

BACKGROUND

The 115th Congress was sworn in and returned to work on January 3, 2017. Wasting no time, Congressman David Valadao (R-CA, 21st) introduced H.R. 23, the "Gaining Responsibility on Water Act of 2017" or GROW Act, that same day. The 125-page measure is broken down into the following sections:

- Central Valley Project Reliability
- CALFED Storage Feasibility Studies
- Water Rights Protections
- Miscellaneous
- Water Supply Permitting Act
- Bureau of Reclamation Project Streamlining
- Accelerated Revenue, Repayment, and Surface Water Storage Enhancement
- Safety of Dams

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

- Water Rights Protections

This measure is very similar to H.R. 2898 - "The Western Water and American Food Security Act of 2015" introduced by Congressman Valadao in the summer of 2015. It was approved by the House by a vote of 245-176, however it was not taken up in the Senate, nor conferred with a Senate Bill. Sections of this bill were included in S. 612, the WRDA/WIIN, California Drought bill.

ARGUMENTS IN SUPPORT

According to the author, "This Western drought has had devastating consequences on my constituents in California's Central Valley; our economy is stagnant and parents are struggling to provide for their children. Now, the entire country feels the consequences of this drought." He continued, "While we were able to implement temporary provisions in the 114th Congress, a complete and long term agreement is still needed. My bill, the GROW Act will enact policies to expand our water infrastructure and allow for more water conveyance while protecting the water rights of users across the state."

H.R. 23 is designed to streamline the dam approval process by putting the federal Bureau of Reclamation in charge of coordinating local, state and federal permitting of new dams. In addition, the measure also places deadlines to finish feasibility studies on proposals for the Sites Dam along the Sacramento River, and the Temperance Flat Dam along the San Joaquin River.

This Board supported H.R. 2898 (Valadao) in 2015 and S. 612 which was signed into law by President Obama on December 16, 2016.

ARGUMENTS IN OPPOSITION

The more controversial portions of this bill that were removed from S.612 are contained in H.R. 23 such as: erasing the Bureau of Land Management finding that the San Joaquin River canyon to be dammed by Temperance Flat is eligible for federal Wild and Scenic River status and amending the Endangered Species Act to free up water supply.

There may not be the political will to move another California drought bill after the tremendous negotiations that took place to get S.612 passed and after a very wet winter so far.

COMMENTS

Co-authors so far include:

Rep. Nunes, Devin [R-CA-22]
 Rep. Rohrabacher, Dana [R-CA-48]
 Rep. Cook, Paul [R-CA-8]
 Rep. Issa, Darrell E. [R-CA-49]
 Rep. Royce, Edward R. [R-CA-39]
 Rep. Walters, Mimi [R-CA-45]

Rep. Calvert, Ken [R-CA-42]
Rep. Knight, Stephen [R-CA-25]
Rep. McCarthy, Kevin [R-CA-23]
Rep. Hunter, Duncan D. [R-CA-50]
Rep. LaMalfa, Doug [R-CA-1]
Rep. McClintock, Tom [R-CA-4]
Rep. Costa, Jim [D-CA-16]

Full text of the bill can be found by clicking [here](#).



CONSENT CALENDAR ITEM

March 15, 2017

TO: Board of Directors

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

Robert J. Hunter, General Manager

Staff Contacts: Cathy Harris, Administrative Services Manager
Pari Francisco, Records Coordinator

**SUBJECT: AUTHORIZE THE HIRING OF TEMPORARY HELP TO ASSIST WITH
RECORDS MANAGEMENT SCANNING**

STAFF RECOMMENDATION

It is recommended that the Board of Directors authorize the services of Staffing Network and Matrix Imaging to assist with Records Management Scanning of District records.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

DETAILED REPORT

One of the projects established in the Records Management Program for this FY 16-17 budget year is to hire temporary staff to assist with scanning off-site records that the District is required to keep in addition to files stored in the records room at the District office. Once the files to be scanned are reviewed by our Records Coordinator, the temporary staff scans the documents and quality checks the scanning to send to the Records Coordinator to import into our District's electronic records management system. Files that are reviewed and identified as no longer required, are being purged in accordance with the Districts retention schedule.

Budgeted (Y/N): Yes	Budgeted amount: 48,000	Core _X_	Choice __
Action item amount: \$40,000	Line item: 7040-12-2000		
Fiscal Impact (explain if unbudgeted):			

Staff obtained quotes from three temporary staffing agencies at the following rates:

Staffing Network	\$26.52 per hour
Matrix Imaging	\$27.00 per hour
Muni Temps	\$29.75 per hour

Based on recommendations from others that have used these resources, staff is determined that utilizing both Staffing Network and Matrix Imaging would provide the most efficient and effective method in accomplishing our scanning project goals. It is anticipated that the work will continue until the end of this fiscal year.



CONSENT CALENDAR ITEM

March 15, 2017

TO: Board of Directors

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

Robert J. Hunter, General Manager

Staff Contact: Pat Meszaros

**SUBJECT: AUTHORIZE ATTENDANCE AT THE CALIFORNIA WATER POLICY
26, SAN DIEGO, CA, APRIL 6 & 7, 2017**

STAFF RECOMMENDATION

It is recommended that the Board of Directors authorize attendance for Directors and such members of District staff as approved by the General Manager at the California Water Policy 26 Conference.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

DETAILED REPORT

The California Water policy Conference is the premier venue for inclusive, engaging and frank discussion of the most pressing water issues of the day. The conference brings together policy thinkers and management leaders representing diverse constituencies and perspectives who are seeking to inform and be informed through active dialogue. Every year, over 300 participants from around the State attend this conference to network with their colleagues, listen to perspectives they may not have heard before and learn about new programs and ideas.

Agenda highlights include 9 workshops on topics including water rights in an era of conservation mandates, linking California's gray and green infrastructure, sustainable groundwater management, the Delta fix and the human right to water.

Director Tamaribuchi has expressed interest in attending; the fiscal impact is based on one attendee.

Budgeted (Y/N): No	Budgeted amount: NA	Core ____	Choice ____
Action item amount: \$769	Line item:		
Fiscal Impact (explain if unbudgeted): \$399 – conference registration; hotel \$185/night – 2 nights \$370/			



California Water Policy 26: Upstream, Downstream, We All Scream

April 6 & 7, 2017

Courtyard by Marriott at Liberty Station, San Diego, CA

Register Now!

www.cawaterpolicy.org or 858-272-6804

SPONSORS INCLUDE:

MWD of Southern California • East Bay Municipal Utility Agency • Marin Municipal Water District
Inland Empire Utilities Agency • San Diego County Water Authority • ICF International
Los Angeles County Department of Public Works • Valley Center Water District

the human right to water.

Plenary Speakers

Jeff Kightlinger – As GM and CEO for the Metropolitan Water District of Southern California, Jeff manages a \$1.8 million budget, 1,800 employees and serves 19 million customers. We look forward to hearing how he views the emerging water policy terrain.

Lois Henry – A columnist and investigate reporter with the Bakersfield Californian since 1990, Lois is known for tackling tough issues and her extensive reporting on California water. Her columns include water issues impacting the entire state as well as those impacting her local community.

Plenary Panels

ESA & Climate Change: Collision Course?

Water Scarcity & Unreliability:

The Impact on California's Agricultural Future

The Colorado River: Looking for a Watershed Moment

Location

The conference is at the Courtyard by Marriott at Liberty Station in San Diego - located on the waterfront and just one mile from the San Diego Airport. Our conference rate is \$185. **Rate expires March 1, 2017.** Phone 800-321-2211 and ask for the CWP rate.



1174 T-5 B-5 *****AUTO**ALL FOR AADC &
MUNICIPAL WATER DISTRICT OF ORANGE COL
GENERAL MANAGER

PO Box 20895

Fountain Valley CA 92728-0895



ACTION ITEM

March 15, 2017

TO: Board of Directors

FROM: **Public Affairs & Legislation Committee**
(Directors Tamaribuchi, Dick, Yoo Schneider)

Robert Hunter
General Manager

Staff Contact: Heather Baez

SUBJECT: ACWA JPIA EXECUTIVE COMMITTEE – REQUEST FOR CONCURRING RESOLUTION

STAFF RECOMMENDATION

Staff recommends that the Board of Directors review the candidates and determine if they wish to submit a resolution of support concurring with the nomination of a candidate or candidates.

COMMITTEE RECOMMENDATION

Committee deferred this item to the Board to review any additional requests for Concurring Nominations. Since the Committee meeting, MWDOC received an additional request for a concurring nomination from Fred Adjarian of El Toro Water District; his request has been added as an attachment.

SUMMARY

This election will fill four Executive Committee member positions, each for a four-year term each. The incumbents are Tom Cuquet, South Sutter WD; David Drake, Rincon Del Diablo MWD; and Melody McDonald, San Bernardino Valley WCD. There is one vacant position.

Candidates for the election must be elected or appointed directors of the JPIA member that they represent and must have been appointed by that member to be on the JPIA's Board of Directors. Further, candidates for the election must also be representatives of JPIA members that participate in all four of the JPIA's Programs: Liability, Property, Workers' Compensation, and Employee Benefits.

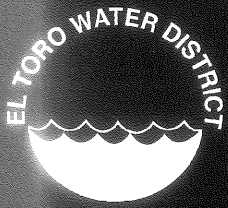
Budgeted (Y/N): N/A	Budgeted amount:	Core ____	Choice ____
Action item amount:		Line item:	
Fiscal Impact (explain if unbudgeted):			

The candidates must also each receive concurring in nomination resolutions from **three** other JPIA members. However, JPIA members may concur in the nomination of as many candidates as they wish. When asking other JPIA members to **concur** in a nomination, it would be helpful to them to include some information about the Director and his/her background.

The submission of the nominating resolution, the three concurring in nomination resolutions, and the candidate's statement of qualifications is the sole responsibility of the nominating member. These nominations must reach the JPIA by the close of business (4:30 pm) on Friday, March 24, 2017. Nominations may be mailed to the attention of Sylvia Robinson at the JPIA: P. O. Box 619082, Roseville, CA 95661-9082 or emailed to srobinson@acwajpia.com.

To date, MWDOC has received three requests for support for the vacant position – one from Fred Adjarian, El Toro Water District, one from Paul Dorey, Vista Irrigation District, and one from Kathleen Tiegs, Cucamonga Valley Water District. In addition, we have received one request from Melody McDonald requesting support to continue her position on the ACWA/JPIA Executive Committee.

Attached is background information on each candidate and sample resolutions to use if desired.



El Toro Water District

"A District of Distinction"

Serving the Public - Respecting the Environment

Board of Directors

M. Scott Goldman
William H. Kahn
Jose F. Vergara
Frederick J. Adjarian
Mark L. Monin

General Manager

Robert R. Hill



February 22, 2017

MWDOC

18700 Ward Street

Fountain Valley, CA 92708

Attn: Wayne Osborne, Board President

Re: Concurring Resolution in Support of Director Fred J. Adjarian/El
Toro Water District as an ACWA-JPIA Executive Committee
Candidate

Dear President Osborne,

Please let this letter serve as my formal request of MWDOC to consider adopting a Concurring Resolution to that of ETWD in support of my nomination as an ACWA-JPIA Executive Committee Candidate.

Included are: (1) a copy of ETWD's Board of Directors adopted resolution nominating me as a candidate for the upcoming ACWA-JPIA Executive Committee elections at the May 2017 ACWA Conference; and (2) the ACWA-JPIA's election notice of January 3, 2017 containing a link to access a sample template Concurring Resolution.

Following is a synopsis of my professional qualifications for the MWDOC Board's information:

- ❖ Mr. Adjarian was elected in November 2014 to serve on the El Toro Water District [ETWD] Board of Directors. Mr. Adjarian brings over 41 years of professional water industry experience to ACWA-JPIA. This includes over 26 years managing five public and private sector water agencies.
- ❖ Mr. Adjarian holds a BA from UCLA in Geography-Ecosystems, and a Masters of Public Administration with honors from CSULB. Mr. Adjarian also earned State of California Water Resources Control Board [SCWRCB] Operator Certifications as a Grade D-4 / Water Distribution and a Grade T-2 / Water Treatment Operator.

El Toro Water District

- ❖ Mr. Adjarian was appointed in 1996 by Governor Pete Wilson to the San Diego Regional Water Quality Control Board for three years. He served as the SDRWQCB's Spanish-speaking liaison to the California Border Environmental Cooperation Committee (Cal/BECC). A binational alliance of California, Baja California, and Baja California Sur, CAL/BECC's focuses on environmental infrastructure needs for the California-Mexico Border region.
- ❖ Mr. Adjarian presently serves as ETWD's representative to ACWA-JPIA, the Santiago Aqueduct Commission, and the Orange County Local Agency Formation Commission. He is also ETWD's alternate representative to the South Orange County Wastewater Authority.
- ❖ Mr. Adjarian is a very active member of the: Orange County Water Association; American Water Works Association; South Orange County Economic Coalition; Water Advisory Committee of Orange County; the Independent Special Districts of Orange County; and a member of several Linked-In professional water policy/water industry associations.
- ❖ Mr. Adjarian holds a California Community Colleges Teaching Certificate, having taught California Water Resources as an adjunct faculty member at Rancho Santiago Community College. He is also a guest lecturer at UCLA's Geography Department, and UCI's Water Initiative Program focusing on water policy and water infrastructure issues.

It is with great enthusiasm that I respectfully request the MWDOC Board of Directors support for my candidacy to the ACWA-JPIA Executive Committee. I believe that my training, education, experience plus broad professional network of water industry contacts would complement the ACWA-JPIA Executive Committee's focus, specifically:

- Past executive "hands-on" administrative responsibility for ensuring agency compliance with all ACWA-JPIA insurance policies, directives and initiatives.
- Working closely with various Boards of Directors/other decision-makers at all levels of government to implement organizational strategic goals;
- A detailed understanding of the institutional relationships and insurance policy issues affecting California's water industry;
- A "team-player" oriented work ethic to accomplish annual policy and organizational work plan initiatives;

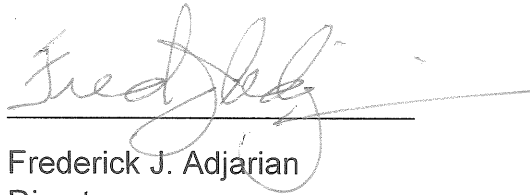
El Toro Water District

- A cultivator of collaborative and enduring working relationships with a broad spectrum of public/private water entities, agricultural, military, environmental and business community water stakeholders.

Thank you very much for the Board's consideration of my request. Please let me know if the Board should have any questions, or require additional information to supplement the agenda packet.

Very truly yours,

EL TORO WATER DISTRICT

A handwritten signature in dark ink, appearing to read "Fred Adjarian", is written over a horizontal line. The signature is fluid and cursive.

Frederick J. Adjarian
Director

cc: Robert Hunter, General Manager
Scott Goldman, ETWD President
Bob Hill, General Manager

RESOLUTION NO. 17-1-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
EL TORO WATER DISTRICT
NOMINATING ITS ACWA JPIA BOARD MEMBER
DIRECTOR FRED ADJARIAN
TO THE EXECUTIVE COMMITTEE
OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
JOINT POWERS INSURANCE AUTHORITY ("ACWA JPIA")

WHEREAS, this district is a member district of the ACWA JPIA that participates in all four of its Programs: Liability, Property, Workers' Compensation, and Employee Benefits; and


WHEREAS, the Bylaws of the ACWA JPIA provide that in order for a nomination to be made to ACWA JPIA's **Executive Committee**, the member district must place into nomination its member of the ACWA JPIA Board of Directors for such open position;

NOW THEREFORE BE IT RESOLVED by the Board of Directors of the EL Toro Water District that its member of the ACWA JPIA Board of Directors, Director Fred Adjarian be nominated as a candidate for the Executive Committee for the election to be held on May 8, 2017.

BE IT FURTHER RESOLVED that the ACWA JPIA staff is hereby requested, upon receipt of the formal concurrence of three other member districts to effect such nomination.

BE IT FURTHER RESOLVED that the District Secretary is hereby directed to transmit a certified copy of this resolution to the ACWA JPIA at P.O. Box 619082, Roseville, CA 95661-9082, forthwith.

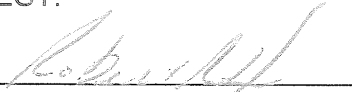
ADOPTED, SIGNED and APPROVED this 24th day of January, 2017.



M. Scott Goldman, President
El Toro Water District and the
Board of Directors thereof

(SEAL)

ATTEST:


A handwritten signature in cursive script, appearing to read "Robert R. Hill", is written over a horizontal line.

ROBERT R. HILL, Secretary
El Toro Water District and the
Board of Directors thereof

STATE OF CALIFORNIA)
)
COUNTY OF ORANGE)

I, ROBERT R. HILL, Secretary of the Board of Directors of the El Toro Water District, do hereby certify that the above and foregoing is a full, true and correct copy of Resolution No. 17-1-1 of said Board, and that the same has not been amended or repealed.

DATED: January 24, 2017



ROBERT R. HILL, Secretary
El Toro Water District and of
the Board of Directors thereof

(SEAL)



1391 Engineer Street • Vista, California 92081-8840
Phone (760) 597-3100 • Fax: (760) 598-8757
www.vidwater.org

Board of Directors

Marty Miller, *President*
Paul E. Dorey
Jo MacKenzie
Randy L. Reznicek
Richard L. Vásquez

Administrative Staff

Eldon L. Boone
General Manager / Treasurer
Brett L. Hodgkiss
Assistant General Manager
Lisa R. Soto
Board Secretary
Joel D. Kuperberg
General Counsel

January 19, 2017

ACWA/JPIA Member Agencies

Re: Nomination of Paul E. Dorey to the ACWA/JPIA Executive Committee

Dear General Manager:

The Vista Irrigation District (VID) has nominated Board member Paul E. Dorey to serve on the ACWA/JPIA Executive Committee. Elections will take place at the JPIA Board of Directors meeting on May 8, 2017 at the Spring ACWA Conference in Monterey, California.

Paul has served as VID's representative to the JPIA Board of Directors for 10 years, and he has been a member of the JPIA Liability Subcommittee for 7 years. We hope your organization will concur with this nomination.

As a member of ACWA/JPIA, Vista Irrigation District requests that your Board submit a resolution of support **concurring** with the nomination of Paul Dorey to serve on the ACWA/JPIA Executive Committee, and vote for him at the election. As you can see from the attached background information regarding Paul Dorey, he is well qualified for this position. All concurring nominations must reach the JPIA office to the attention of Sylvia Robinson at P.O. Box 619082, Roseville, CA 95661-9082 by 4:30 p.m. on Friday, March 24, 2017. If you have any questions, please feel free to contact me.

Thank you for your consideration.

Sincerely,

Eldon Boone
General Manager

Attachments:

- Statement of candidacy for Paul E. Dorey
- Vista Irrigation District nominating resolution
- Sample concurring resolution

RECEIVED

JAN 23 2017

MWD OF OC

Paul E. Dorey

Statement of Candidacy



I have served on the ACWA/JPIA Board of Directors since 2007. During the last seven years, I have had the privilege of serving on the Liability Committee of the JPIA. The Liability Committee has successfully kept its focus on providing member agencies with the most comprehensive, affordable and reliable liability insurance possible. Our Committee has recommended significant reductions in the premiums paid by member agencies while also increasing the insurance coverages provided.

I was elected to the Vista Irrigation District Board of Directors in 2006. The District provides water service to over 120,000 residents in northern San Diego County. I served on the Board of Directors of the Groundwater Resources Association of California, and I currently serve on the San Luis Rey Watershed Council and the Southern California Water Committee. My wife Nancy and I have lived in Vista since 1971, where we raised our two daughters.

My forty-six years of public service, first in the United States Marine Corps and then in the water industry, have given me the necessary experience and background to serve as a member of the JPIA Executive Committee. This experience has helped me recognize the importance of safety and risk management and the value of developing appropriate policies and procedures, as well as establishing conservative fiscal controls.

As a member of the JPIA's Executive Committee, I will perform my duties and make decisions to guide the organization to most efficiently benefit its member agencies. I will take my responsibility seriously and serve as a very useful and productive member of the Executive Committee. I value your trust and will honor it if elected to the Executive Committee.

Thank you for your support. If you have any questions about my candidacy, feel free to contact me at (760) 208-5263 or WN6K@sbcglobal.net.

RESOLUTION NO. 17-04

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
VISTA IRRIGATION DISTRICT
NOMINATING PAUL E. DOREY TO THE EXECUTIVE COMMITTEE
OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
JOINT POWERS INSURANCE AUTHORITY ("ACWA/JPIA")

WHEREAS, Vista Irrigation District is a member district of the ACWA/JPIA that participates in all four of its Programs: Liability, Property, Workers' Compensation, and Employee Benefits; and

WHEREAS, the Bylaws of the ACWA/JPIA provide that in order for a nomination to be made to ACWA/JPIA's Executive Committee, the member district must place into nomination its member of the ACWA/JPIA Board of Directors for such open position;

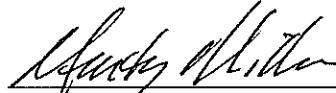
NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Vista Irrigation District that its member of the ACWA/JPIA Board of Directors, Paul E. Dorey, be nominated as a candidate for the Executive Committee for the election to be held on May 8, 2017.

BE IT FURTHER RESOLVED that the ACWA/JPIA staff is hereby requested, upon receipt of the formal concurrence of three other member districts, to effect such nomination.

BE IT FURTHER RESOLVED that the District Secretary is hereby directed to transmit a certified copy of this resolution to the ACWA/JPIA at P.O. Box 619082, Roseville, CA 95661-9082, forthwith.

PASSED AND ADOPTED by the following roll call vote of the Board of Directors for the Vista Irrigation District this 18th day of January 2017.

AYES: Directors Vásquez, Dorey, MacKenzie, and Miller
NOES: None
ABSTAIN: None
ABSENT: Director Reznicek


Marty Miller, President

ATTEST:



Lisa R. Soto, Secretary
Board of Directors
VISTA IRRIGATION DISTRICT

RECEIVED

JAN 30 2017

MWD OF OC

January 25, 2017

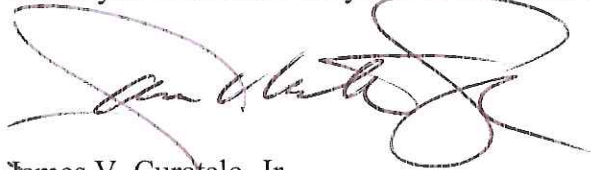
Dear Fellow ACWA/JPIA Member:

On January 24, 2017 the Cucamonga Valley Water District Board of Directors adopted Resolution No. 2017-1-1 nominating Director Kathleen J. Tiegs for the position of ACWA/JPIA Executive Committee. We are formally requesting your support of Director Tiegs' nomination through the adoption of a concurring resolution from your agency.

Director Tiegs has been actively involved in ACWA/JPIA having served the past 10 years on the board, as well as having experience as the ex-officio member on the Executive Committee. Director Tiegs is committed to continuing the great work of providing quality insurance and employee benefit services that ensure our agencies and ratepayers are receiving the most cost-effective service possible.

I have attached a sample concurring resolution in support of Director Tiegs' nomination, as well as her candidate statement. The elections for ACWA/JPIA Executive Committee will be held May 8, 2017, should you desire to adopt a resolution or if you have questions please contact our Executive Assistant to the Board, Taya Victorino at 909.987.2591 or tayav@cvwdwater.com.

Thank you in advance for your consideration.



James V. Curatalo, Jr.
President

Attachments:

Sample Concurring Resolution

Candidate Statement – Director Tiegs

RESOLUTION NO. _____

RESOLUTION OF THE BOARD OF DIRECTORS OF THE (NAME OF MEMBER DISTRICT)
**CONCURRING IN NOMINATION TO THE EXECUTIVE COMMITTEE
OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
JOINT POWERS INSURANCE AUTHORITY ("ACWA JPIA")**

WHEREAS, this district is a member district of the ACWA JPIA; and

WHEREAS, the Bylaws of the ACWA JPIA provide that in order for a nomination to be made to ACWA JPIA's **Executive Committee**, three member districts must concur with the nominating district, and

WHEREAS, another ACWA JPIA member district, the Cucamonga Valley Water District has requested that this district concur in its nomination of its member of the ACWA JPIA Board of Directors to the **Executive Committee** of the ACWA JPIA;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the (NAME OF MEMBER DISTRICT) that this district concur with the nomination of Kathleen J. Tiegs of Cucamonga Valley Water District to the **Executive Committee** of the ACWA JPIA.

BE IT FURTHER RESOLVED that the District Secretary is hereby directed to transmit a certified copy of this resolution to the ACWA JPIA at P.O. Box 619082, Roseville, CA 95661-9082, forthwith.

ADOPTED this (DATE) day of (MONTH), 2017.

(SIGNATURE)
Board President

ATTEST:

(SIGNATURE)
Secretary

Kathleen J. Tiegs
Candidate Statement for
Association of California Water Agencies
Joint Powers Insurance Authority (ACWA/JPIA) Executive Committee

Dear ACWA/JPIA Board Members:

I am pleased to share with you my interest in serving on the Executive Committee for ACWA/JPIA. I believe I am prepared and ready for the challenge to help lead the organization as we continue to grapple with providing the best and most cost-effective insurance and employee benefit services to our members.



My experience with the ACWA/JPIA began over 10 years ago when I was appointed by the Cucamonga Valley Water District (CVWD) to serve as their ACWA/JPIA representative. I have also served as the ex-officio member of the Executive Committee in 2015-2016. As part of the Executive Committee I was able to provide the leadership and feedback to staff to ensure they were continuing to uphold the mission of the ACWA/JPIA: *"to consistently and cost effectively provide the broadest possible affordable insurance coverage and related services to its member agencies"*.

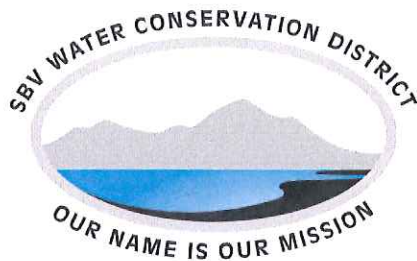
I have served on the CVWD board of directors for approximately 12 years, and have served in the role as both president and vice-president of the board of directors. I am currently a member of the Legislative/Outreach and the Human Resources/Risk Management committees. The Human Resources/Risk Management Committee is responsible for overseeing employee benefits, risk management and safety programs for the organization. At CVWD, we have taken full advantage of all the programs the ACWA/JPIA has to offer to ensure our employees are working in the safest environment possible. Our board of directors has also adopted the *Commitment to Excellence* Program pledge putting into place best management practices which bolsters our effectiveness for loss prevention and safety.

I currently serve as the President for the Association of California Agencies (ACWA). In my role as president I have focused on increasing my understanding of our members needs so that I may know how to better serve and lead the ACWA organization. I will use this same approach if elected to serve on the ACWA/JPIA Executive Committee.

The election for ACWA/JPIA is scheduled for May 8, 2017 at the conference. Thank you for allowing me to share my experience, leadership and knowledge. I look forward to the opportunity to represent you and your agency. Please feel free to contact me directly at (909) 635-4177 should you have questions or if you would like to support my candidacy.

Thank you in advance for your consideration,

Kathy Tiegs



SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT

Established 1932

1630 West Redlands Boulevard, Suite A
Redlands, CA 92373-8032
(909) 793-2503
Fax: (909) 793-0188

Email: info@sbvwcd.org
www.sbvwcd.org

January 31, 2017

Joan C. Finnegan
Municipal Water District of Orange County
258 Sherwood Street
Costa Mesa, CA 92627

Dear Joan C. Finnegan,

The Board of Directors of the San Bernardino Valley Water Conservation District has nominated its Vice-President, Melody A. McDonald, to continue in her position on the ACWA/JPIA Executive Committee. Enclosed is a certified copy of SBVWCD Resolution No. 542 nominating Mrs. McDonald for ACWA/JPIA Executive Committee.

Melody currently serves on the ACWA/JPIA Executive Committee, Personnel Committee, Chairs the Liability Program Subcommittee, served on the Building & Property Ad Hoc Committee, and was past chair of the Property & Workers Compensation Program Subcommittees. Melody has an institutional knowledge of all of JPIA's programs, their history, how coverage's evolved for the JPIA membership and has helped the organization grow to 188 Million in assets. Melody participates in training at various JPIA members facilities; she has personally visited and presented rate stabilization fund refund checks back to JPIA members totaling over 25 Million, since the inception of the fund. This year, JPIA has held nearly 400 training classes resulting in more than 7,700 employees receiving training. Melody believes the best claim is the one that never happened, and that there is a direct correlation between risk management, training, and minimizing losses. She pursues all her duties with a strong sense of commitment and dedication. Enclosed is her Statement of Qualifications.

The District respectfully requests your organization consider adopting a concurring resolution of nomination in support of Mrs. McDonald. Enclosed is a sample concurring resolution for your consideration in support of her nomination or it can be found at <http://www.acwajpia.com/ElectionNews.aspx>. Since time is of the essence, and that this will require Board action, please include this on your agenda for your next Board meeting. Please send a certified copy to:

ACWA/JPIA
Attention: Sylvia Robinson
P.O. Box 619082
Roseville, CA 95661-9082

and

San Bernardino Valley Water Conservation District
Attention: Athena Monge
1630 W. Redlands Blvd. Ste "A"
Redlands, CA 92374

This resolution must be received by ACWA/JPIA no later than 4:30 pm Friday March 24, 2017.

Sincerely,

Daniel B. Cozad
General Manager

BOARD
OF
DIRECTORS

Division 1:
Richard Corneille
Division 2:
David E. Raley

Division 3:
T. Milford Harrison
Division 4:
John Longville

Division 5:
Melody McDonald

GENERAL
MANAGER

Daniel B. Cozad

RESOLUTION NO. 542

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT
NOMINATING ITS ACWA/JPIA BOARD
MEMBER TO THE EXECUTIVE COMMITTEE
OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
JOINT POWERS INSURANCE AUTHORITY ("ACWA/JPIA")**

WHEREAS, this District is a member district of the ACWA/JPIA that participates in all four of its Programs: Liability, Property, and Workers' Compensation; and Employee Benefits; and

WHEREAS, the Bylaws of the ACWA/JPIA provide that in order for a nomination to be made to ACWA/JPIA's **Executive Committee**, the member district must place into nomination its member of the ACWA/JPIA Board of Directors for such open position;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the San Bernardino Valley Water Conservation District that its member of the ACWA/JPIA Board of Directors, Melody McDonald, be nominated as a candidate for the **Executive Committee** for the election to be held on May 8, 2017.

BE IT FURTHER RESOLVED that the ACWA/JPIA staff is hereby requested, upon receipt of the formal concurrence of five other member districts to effect such nomination.

BE IT FURTHER RESOLVED that the District Secretary is hereby directed to transmit a certified copy of this resolution to the ACWA/JPIA at P.O. Box 619082, Roseville, California 95661-9082, forthwith.

ADOPTED this 11th day of January, 2017.



President, Board of Directors

ATTEST:



Secretary



Melody.sbvwd@gmail.com

**Melody
Henriques-McDonald**

P.O. BOX 30197
SAN BERNARDINO, CA 92413

*(909) 793-2503 District
(909) 499-5175 cell
(909) 383-1122 fax*

Like @ <https://www.facebook.com/Melody4Water>

Candidate for:

**ACWA JPIA
EXECUTIVE COMMITTEE**
(Incumbent)



Melody & Board receiving, District of Distinction Award, the highest governance and best practices accreditation possible.

Left, Kathleen Tiegs, Special Districts Board Member & ACWA Vice-President presenting.

ASSOCIATIONS

Member, Board of Directors of the San Bernardino Valley Water Conservation District (Elected), Past President, & currently Vice-President, 1991 originally appointed, and first woman on the board

Member, Executive Committee ACWA/JPIA

Chair, JPIA Liability Program Committee

Director, ACWA/Joint Powers Insurance Authority

Voting Member, Association of the San Bernardino County Special Districts

Over the 25 + Years, Experience in the Water Industry includes:

Past Member, (CWA) California Women for Agriculture

Past Member, ACWA Water Management Committee

Past Member, ACWA State Legislative Committee

Chair & Vice-Chair, JPIA Property & Workers Compensation Programs

Member, Board of Directors ACWA, Region 9 Chair

Chair, Water Management Certification Subcommittee

Chair, California Water Quality Control Board, Santa Ana Region
8 Years of service, Gubernatorial Appointment

CURRENT EMPLOYMENT

Southwest Lift & Equipment, Inc. (Heavy Duty Vehicle Lifts)
Broker/Associate, Century 21 Lois Lauer Realty

PROFESSIONAL ASSOCIATIONS & LICENSES

Redlands Association of Realtors
California Real Estate Broker's License
Arizona Real Estate Broker's License

ORGANIZATIONS AND SOCIETIES

Highland Chamber of Commerce
San Bernardino Chamber of Commerce
Immanuel Baptist Church Highland, CA
BSF International

EDUCATION

San Gorgonio High School, 1976
Western Real Estate School, 1989
Graduate, Special Districts Board Management Institute, 1997

GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES MARCH 2017

Managers' Meeting	<p>MWDOC held its Managers' meeting on February 16, 2017 at its office in Fountain Valley. In attendance were Rob Bob (Advanced Microgrid Solutions); Katie Victoria and Cel Pasillas (Garden Grove); Richard Eglash (Brady & Assoc.); Mike Grisso and Mike McGee (Buena Park); Paul Weghorst (IRWD); Steve Conklin (YLWD); Steffen Catron (Newport Beach); David Spitz (Seal Beach); Chris Davis (Huntington Beach); Mark Sprague (City of Fountain Valley); Bob Hill (ETWD); Dan Ferons (SMWD); Matt Collings (MNWD); Jose Diaz (City of Orange); Carlo Nafarrete (La Palma); John Kennedy (OCWD); Charley Wilson (SCE); Karl Seckel; Harvey De La Torre; Charles Busslinger; Damon Micalizzi; Jonathan Volzke; Melissa Baum Haley; Kevin Hostert; and Heather Baez of staff.</p> <p>The agenda included the following:</p> <ol style="list-style-type: none"> 1. OC Flood Control Potential License Fees Update 2. Energy Efficiency Optimization – Continued 3. Water Supply Report, and DWR Updated 2017 Allocation of 60% 4. Update on State Emergency Drought Declaration & MWDOC's Declaration for end of Drought "Emergency" 5. SWRCB Requirements for Lead Sampling at K-12 Schools 6. MET Proposed Fixed Treatment Charge 7. SDCWA's Letters to Cities regarding MET's conservation Funding 8. MWDOC FY16/17 Budget Review & FY 17/18 Budget Initiatives 9. OC Water Reliability Study Update <p>The next meeting is tentatively scheduled for March 16, 2017.</p>
Storage of Imported Water	<p>Harvey De La Torre and Karl and I met with Debra Man, Deven Upadhyay and Jim Green of Metropolitan along with Mike Markus and John Kennedy of OCWD to discuss storage of imported water for later this year. It appears that the most likely options include maximizing MET untreated deliveries into the groundwater basin and into MET's Conjunctive Use Account for later this year, beginning around July 1.</p>

MET ITEMS CRITICAL TO ORANGE COUNTY

MET's Water Supply Conditions	<p><u>Water Supply Conditions for 2017</u></p> <p>As of March 2, precipitation conditions for the State are on-track to be one of the wettest years on record. The Northern California accumulated precipitation (8-Station Index) is reporting 76.5 inches or 217% of normal. This is highest level on record, this time of year; and only 12 inches away from exceeding the wettest year at 88.4 inches in 1983. For the month of February 2017, precipitation reached 23.4 inches, which is 15 inches above normal compared to the historical average. This is the third consecutive month with above average precipitation for North California.</p> <p>Based on these conditions, the Department of Water Resources (DWR) is expected to increased the State Water Project (SWP) "Table A" allocation from 60% to 70% or higher by the end of the season. This increase will result in MET placing any where between 700 TAF to 1 million AF in dry-year storage by the end of 2017, depending on MET service area demands.</p> <p>This significant wet year has also created flooding throughout the state which has placed a tremendous amount of pressure on our key reservoirs and dams. The repair damage at Oroville's spillway and emergency spillway alone is estimated to be in the \$100s of millions.</p> <p>On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. As of March, snowpack measured 138% of normal, and Reclamation reported Lake Mead at 1,086 feet. Based on these conditions, Reclamation is still projecting that there is about a 50% chance of a shortage on the Colorado River in 2018, increasing to about 60% in 2019 and beyond.</p>
MET's Finance /Rate Issues	<p><u>MET Financial Report</u></p> <p>At the February MET Finance and Insurance Committee, MET staff stated that water sales through January were 14.2 thousand acre-feet lower than budget and 63.4 thousand acre-feet lower than the 5-year average; with annual sales expected to be 1.5 million acre-feet.</p> <p><u>Fixed Treatment Charge Workgroup</u></p> <p>Per an April 2016 Board Action, MET Member Agency Managers were asked to form a workgroup with MET staff to develop a Fixed Treatment</p>

MET's Finance /Rate Issues (Continued)	<p>Charge proposal for Board Consideration. During fall 2016, MET staff selected Tom Chesnutt of A&N Technical to help facilitate the discussions and commenced the workgroup meetings. The initial meetings focused on identifying the problem with the current treatment surcharge, and why a fixed charge would be beneficial to MET and the Member Agencies.</p> <p>In January 2017, the workgroup outlined a conceptual proposal which contained Policy Principles and proposed a recommended Fixed Treatment Charge, which mirrors the existing Capacity Charge methodology to be consistent with the cost of service principles. The recommended charge would follow a <i>prospective</i> approach, meaning it would include summer peak flows of the upcoming three years (i.e. 2017, 2018, and 2019).</p> <p>The workgroup's findings were presented to the MET Board for review and consideration at the February 2017 Finance and Insurance Committee Meeting. The consensus of the workgroup was that this new proposal is (while not addressing all concerns) is at least a "step in the right direction." If the MET Board does adopt this Fixed Treatment Charge, MWDOC staff would need to work with the MWDOC Board and its member agencies to determine how to best allocate MWDOC's share of MET Fixed Treatment Charge within the MWDOC service area. Further, this topic was brought the MWDOC P&O committee on March 6 as a discussion item.</p>
Colorado River Issues	<p><u>Colorado River Drought Contingency Plan</u></p> <p>Discussions have continued within each of the Lower Basin States to review the concepts developed among the Lower Basin States and Reclamation for a Drought Contingency Plan (DCP) to encourage more water savings and storage in Lake Mead in order to decrease the likelihood that Lake Mead will drop below elevation 1,020, and to add flexibility and certainty for operations at lower reservoir levels. Intra-state implementation agreements are still under development within each of the three Lower Basin States. Pursuant to a statutory provision in Arizona, their Legislature must take action to authorize the Director of Arizona Department of Water Resources to execute the new agreements. To implement the contingency plan within CA, agreements are contemplated among MET, Imperial Irrigation District, and Coachella Valley Water District. The CA parties will continue their parallel efforts to resolve ongoing issues relating to operations in the Bay-Delta and planning and restoration efforts at the Salton Sea. New or revised exhibits for ICS Program will be developed to assist facilitation of the DCP in all three Lower Basin States.</p>

Colorado River Issues (Continued)	<p><u>U. S. Department of the Interior Secretary Issues Order</u></p> <p>On January 18, Sally Jewell, Secretary of the U. S. Department of the Interior (Interior), issued Secretarial Order No. 3344 (Order) directing the staff of the U.S. Bureau of Reclamation (Reclamation) to continue work on the following Drought Response efforts initiated during the Obama administration (to note, the Order is not binding on the new administration):</p> <ul style="list-style-type: none"> • The Lower Basin Drought Contingency Plan (DCP) – a set of agreements that would address conservation, storage, and federal water operations; • The DCP, an intra-Arizona agreement to conserve additional water in Lake Mead through 2017-2019; • A Minute to the Mexican Water Treaty (Minute 32X) – this Minute may include provisions regarding shortage sharing, conservation and riparian enhancement; • The Upper Basin Drought Memorandum of Agreement – an agreement regarding operation of Colorado River Storage Project facilities to reduce or avoid Lake Powell reaching critical elevations; and • Consultation with Tribes regarding Drought Response efforts. <p>Concurrent with issuance of the Order, Reclamation also:</p> <ul style="list-style-type: none"> • Finalized an agreement with the Gila River Indian Community to conserve water within Lake Mead intended to decrease the risk of shortages and support the State of Arizona's efforts to finalize its DCP Plan. • Signed an addendum to the 2016 Memorandum of Understanding between Interior and the California Natural Resources Agency (CNRA) regarding the Coordination of Activities to Manage the Salton Sea. The addendum is intended to strengthen coordinated efforts by CNRA and Interior to address anticipated changes in the Salton Sea's elevation. <p><u>Colorado River System Conservation Pilot Program 2016 Implementation Activities</u></p> <p>In July 2014, Reclamation, Central Arizona Project, Southern Nevada Water Authority (SNWA), Denver Water, and Metropolitan (collectively, the funding agencies) entered into an agreement to establish a two-year pilot program that would compensate selected projects implementing voluntary reductions in water use for the benefit of the Colorado River System as a whole.</p>
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Colorado River Issues (Continued)	<p>Since last year's report to the Board, a total of 27 new projects are under contract. These contracts represent a greater geographical diversity, and cover all basin states: nine in Wyoming, nine in Colorado, two in New Mexico, one in Utah, four in Arizona, one in California, and one in Nevada. Of these 27 projects, 18 are projects that temporarily reduce agricultural irrigation, either through fallowing or split season deficit irrigation. The remaining nine projects include: three that reduce groundwater storage/diversion, three organic transition, one tributary conservation, one turf removal, and one irrigation efficiency improvement project. The contracted projects are estimated to conserve a total of over 66,000 AF of water. It is estimated that almost 90 percent of the savings will occur from projects in the Lower Basin. While there are fewer projects in Lower Basin states, these projects result in greater water savings.</p>
Bay Delta/State Water Project Issues	<p><u>Final Environmental Documents for WaterFix Released</u></p> <p>As reported last month, the Bay Delta Conservation Plan/California WaterFix Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) was released to the public on December 22, 2016. The Final EIR/EIS combines the information contained in the Draft EIR/EIS with that of the RDEIR/SDEIS, as well as comments received on the Draft EIR/EIS and RDEIR/SDEIS and accompanying responses to those comments. A Record of Decision under the National Environmental Policy Act will be issued by the U.S. Bureau of Reclamation (USBR) no sooner than 30-days after the U.S. Environmental Protection Agency's Federal Register publication of the notice of availability. Certification of the EIR and final decision-making under the California Environmental Quality Act by the California Department of Water Resources (DWR) would not occur until after the 30-day Federal Register notice of availability as well. Completion of the Endangered Species Act Section 7 consultation process with the U.S. Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS) is required prior to final approval of the project under National Environmental Policy Act.</p> <p>At the request of USFWS, NMFS and the California Department of Fish and Wildlife (CDFW), Delta Science Program staff convened a phased independent scientific peer review process to review and evaluate the methods and scientific information used in developing the California WaterFix Biological Opinions. Phase 2B of the science review was held on January 23 and 24 in Sacramento. The panel is reviewing sections of the draft NMFS and USFWS Biological Opinions, including the NMFS' analytical approach and USFWS' analytical framework, status of the species and critical habitat,</p>

Bay Delta/State Water Project Issues (Continued)	<p>environmental baseline, and effects analysis sections. The panel is also reviewing the proposed approach to establishing longfin smelt outflow criteria as modeled in the California Endangered Species Act permit for CWF. A final report on the panel's findings will be made public in early March 2017.</p> <p><u>State Water Resources Control Board</u></p> <p>The California WaterFix Petition proceedings before the State Water Resources Control Board (SWRCB) are ongoing. Part 1 of the hearings addresses the effects of the proposed project on legal users of water. MET staff is preparing for the rebuttal phase of Part 1 in collaboration with the State Water Contractors (SWC) and the DWR. There will be written and oral rebuttal. Part 2 of the hearings, which are scheduled to begin once the EIR/EIS is approved and Endangered Species Act permits are approved, will consider the effects of the proposed project on fish and wildlife and review "appropriate flow" criteria.</p> <p><u>Science Activities</u></p> <p>MET staff continues to participate in the Collaborative Science and Adaptive Management Program, providing input on the salmon and Delta smelt current studies and plans for future studies. For 2017, the Collaborative Adaptive Management Team (CAMT) is planning to continue current Delta smelt studies addressing entrainment and effects of fall outflow, continue involvement in key Delta Smelt Resiliency Strategy actions, and initiate new salmon studies. MET staff is also participating on two recently formed technical teams established as forums to develop a better understanding of how proposed management actions affecting the Delta flow regime affect ecosystem processes. The CAMT Outflow Subgroup is developing an adaptive management plan for evaluating the North Delta food web enhancement action and the potential fall flow action for 2017. The Interagency Ecological Program Flow Alteration Project Work team is charged with developing the conceptual model and general research questions that would be important for promoting survival of Delta smelt.</p> <p><u>Delta Flood Emergency Management Plan</u></p> <p>MET staff met with DWR to review recently completed Emergency Response Tool (ERT) model simulation runs demonstrating the</p>
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Bay Delta/State Water Project Issues (Continued)	<p>emergency freshwater pathway can be developed and partial exports resumed within six months of a severe levee breach scenario involving up to 20 island failures. The scenario included several breaches of the reaches of the freshwater pathway levees and levee slumping predicted by Metropolitan's seismic stability studies over a significant segment of the pathway. Modeling included measures to divert San Joaquin River flow toward the south Delta to flush saline water from the freshwater pathway and expedite resumption of exports. The model also allows closure of some waterways in the northwestern Delta to facilitate diversion of fresh water toward the central Delta and freshwater pathway. The completion of ERT model and simulation runs is an essential step to finalize the Delta Flood Emergency Management Plan. MET staff will meet with DWR to discuss the timeline for completion of the Plan. This document will include ERT runs simulating development of the freshwater pathway, along with model runs simulating lesser levee breach and island flooding scenarios.</p>
<h2>ENGINEERING & PLANNING</h2>	
Baker Treatment Plant	<p>The Baker Plant began water production in early January and ramped up to the full capacity. MWDOC, IRWD, SMWD and the Project Participants are working on the meter reading and water invoicing as part of the water will be pumped into the South County Pipeline. The Treatment Plant went on-line to treat water from Irvine Lake to complete the performance testing under the construction contract.</p>
Doheny Desalination Project	<p>Recent offshore geophysical testing and mapping indicated a wider and deeper alluvial channel at the mouth of San Juan Creek than previously anticipated. On February 23, 2017, South Coast Water District's Board approved the award of additional groundwater modeling. The additional modeling will assess the maximum amount of groundwater available for production, modeling of alternative placement of production slant well pods both east and west of San Juan Creek, and groundwater modeling with and without the San Juan Watershed Project rubber dams. The additional modeling is scheduled to be completed by the end of May 2017.</p> <p>A 'Value for Money' workshop is anticipated in March and a separate workshop on the SCWD's Reliability Study is anticipated in May 2017.</p> <p>MWDOC's contractor for the decommissioning and removal of the test facilities at Doheny State Park completed their work and demobilized from the site. An informational item is included in the P&O Packet; the work was completed under budget.</p>

Poseidon Resources Desal Project	MWDOC staff and OCWD staff met with JIG Consultants on January 23, 2017 regarding initiation of the CEQA evaluation for a South County pipeline extension (EOCF No. 2 bypass pipeline) to distribute desalinated water to South County.
San Juan Watershed Project	<p>The public comment period on the Notice of Preparation for the Draft Environmental Impact Report closed on February 2, 2017. Comment letters are posted on the project website (http://sanjuanwatershed.com/). SJBA is working through the next steps of forming a Project Committee. Due to the SJBA Joint Powers Agreement, only Authority members can be project committee members, non-members cannot be participants in a project committee.</p> <p>The SJBA Board authorized resumption of limited pumping for the City of San Juan Capistrano and South Coast WD at the February 14, 2017 Board meeting. Water levels indicate the lower basin area south of the Arroyo Trabuco – San Juan Creek confluence (aka Phase 1 project area) is now rejecting new recharge. Pumping is authorized at the City Alipaz well field in the amount of 90 acre-feet every two weeks and for South Coast WD 36 acre-feet every two weeks.</p>
Orange County Reliability Study	<p>CDM-Smith and MWDOC staff met in February to discuss updating the Study model to include the most recent information on:</p> <ul style="list-style-type: none"> • Climate change impacts to supply, • Impacts from the Lower Colorado Basin Drought Contingency Plan, • Future increases to the Basin Pumping Percentage, • Downward revisions to future Santa Ana River base flows, and • Minimum system flows necessary to maintain water quality. <p>Additionally, analysis of the benefits from base loaded projects which provide supplies in excess of the average water supply gap will be looked at.</p>
OC-28 Flow Metering Issue with MET	MWDOC and OCWD are awaiting MET's analysis of the flow test to examine the metering issue from last summer. Preliminary results indicate that OCWD is owed about 700 AF of water.
S.C. CM-1 Cost Issues with MET	MWDOC and MET are awaiting the outcome of discussions between Laguna Beach and Newport Beach on this issue before moving forward.
MET Metering Issues	MET is convening a workgroup to further examine the use of mag meters in their system to allow further flexibility compared to the current use of venturi meters. This issue has a high level of interest to MWDOC and a number of our agencies. Charles Busslinger and Kevin Hostert will participate in the workgroup. The kick-off meeting is being set in March.

OC Flood Control District	<p>Karl, Heather Baez and John Lewis met with Chris Wangsaporn, Supervisors Do's office, and Melanie Eustice, Supervisor Spitzer's office to discuss the issues related to the OCFCD encroachment permits.</p> <p>On February 9, MWDOC and a legal team and several retail agency reps met with OCFCD staff and County Counsel. The legal team agreed to disagree with the position of County Counsel. OC Flood staff suggested a NEW formula for an on-going maintenance fee arrangement. That formula was reviewed at MWDOC's member agency meeting and essentially rejected as a bad precedent to set, especially given that there was not a clear nexus between the charge and the costs incurred by OC Flood.</p> <p>At the Managers' meeting, the retail agencies suggested entering into a cooperative or maintenance agreement that allows for reconciliation of cost items on a case-by-case basis. Staff is working on such a request. It is unknown if agreement can be reached with the OC Flood Control District.</p>
Advanced Microgrid Solutions	<p>Staff has had several meetings with Advanced Microgrid Solutions to investigate a new initiative that involves entering into electrical load aggregation contracts that will translate into a cost-savings for our agencies and will improve their emergency operations by having energy storage devices at key facilities. Additionally, there may be opportunities to secure state of the art emergency generator back-ups that meet AQMD standards using grant funding. This is an extremely exciting proposition that is just now being kicked off. Staff advanced this idea to our agencies to see if there was sufficient interest at the February Manager's meeting. Staff will continue to work on the next steps.</p>
MET's Water Tomorrow Conference	<p>Karl attended MET's Water Tomorrow Conference that included reports from all of the MET Foundational Action Program studies. MWDOC was represented by Don Bunts from SMWD who spoke about the San Juan Watershed project; Andy Brunhart who spoke about the Doheny Desal Project and Jeff Mosher who spoke about the Research into the Direct Potable Research program. MWDOC authorized MET funding for all three efforts.</p>
Global Environmental Legacy Foundation	<p>Karl Seckel met with SOCWA General Manager Betty Burnett, South Coast Board member Rick Erkeneff and Global Environmental Legacy Foundation President Brett Danson. Brett Danson has a number of research efforts underway and is looking for support for brine treatment, sustainable energy development and water purification. He has research efforts underway at the Salton Sea and with the Bureau of Reclamation.</p>
South Orange County Economic Coalition	<p>Karl Seckel and MET Director Larry McKenney provided a presentation to the South Orange County Economic Coalition on Orange County's water supply and focused on the question of "Is the Drought Over?" Heather Baez assisted with the presentations and attended the meeting.</p>

EMERGENCY PREPAREDNESS

Coordination with WEROC Member Agencies	<p>The WEROC Quarterly Emergency Coordinator meeting was held on February 7, 2017. Assistant City Manager of San Juan Capistrano, Jacob Green, provided an excellent presentation on lessons learned from the 2010 Christchurch Earthquake. He did a great job of pulling together lessons specific to water and wastewater utilities. Additional discussions included generators and AQMD regulations, 2017 WEROC exercise and training program, the required update to the Orange County Regional Water and Wastewater Multi-Hazard Mitigation Plan and on-going storm response needs and considerations.</p> <p>Colin Eckerle, Engineering Intern, sent out information to the WEROC member Agencies requesting updated system map information. This information will be pulled together to complete a 2017 WEROC Map Update.</p> <p>Kelly Hubbard met with staff of the City of Newport Water Utilities Division and the City's Emergency Manager to discuss the new Municipal Utilities Department Operations Center and design considerations.</p> <p>Kelly presented at the OC MET Managers Meeting to a majority of the program's funding agency managers on the proposed 2017-2018 WEROC budget. The group also discussed last year's accomplishments and proposed programs in the coming year.</p>
Training and Programs	<p>Kelly attended a seminar on the new California State Training Institute (CSTI) Emergency Operations Center (EOC) Position Credentialing Program. The credentialing program is not a mandatory program, but is being presented as a best practice moving forward for the training of staff for positions within any EOC. The program's intention is to standardize training between EOC's to ensure a minimal level of knowledge and expertise for critical positions in an emergency. Unfortunately, the program is pretty demanding in the number of hours required for credentialing various positions. Staff will be looking into what it would take to credential the WEROC EOC staff in various positions and come up with a multi-year plan on how to achieve this new best practice if it is determined to be feasible and beneficial.</p> <p>On February 16, Kelly presented "Having What it Takes to be 'Water Prepared'" at Three Valleys Municipal Water District's Winter Leadership Breakfast. The presentation shared some of the hard earned lessons of others, critical areas of planning and staff time that should be invested into, and why</p>

Training (Continued)	some of these steps can make a difference in worker safety, community responsiveness and fiscal recovery.
Coordination with the County of Orange	<p>Kelly attended the February Orange County Emergency Management Organization (OCEMO) meeting and OCEMO Exercise Design meeting. OCEMO had an excellent speaker on communicating with the deaf and hard of hearing community in a disaster. Kelly is working with the speaker to come to a future PAW group meeting to talk about disaster communications, as well as general public outreach that is inclusive. The Exercise Design Committee worked on a county-wide exercise and training schedule and program for 2017.</p> <p>Kelly attended the Urban Area Working Group (UAWG) Meeting, and the Orange County Operational Area (OA) Executive Board Meeting, as a voting member for ISDOC.</p> <p>Janine Schunk and Kelly met with county emergency management staff to work out some outstanding programming issues with Alert OC and WebEOC on behalf of the member agencies. Janine is working on the implementation of those solutions with county staff.</p>
Coordination with Outside Agencies	<p>Kelly participated in the California Water and Water Agency Response Network (CalWARN) State Steering Committee conference call. The primary discussion was to ensure that all coordination requested by impacted water and wastewater utilities in California by flooding was being met and that there were no known outstanding issues with response.</p> <p>Kelly attended the Southern California Critical Lifeline Work Group meeting at Southern California Edison. This group is made up of what is considered to be critical lifeline providers, such as power, gas, water, and communications companies. The group meets quarterly to ensure networking and the sharing of planning and response coordination concepts</p>
Emergency Operations Center (EOC) Readiness	<p>Staff participated in the February MARS and Operational Area radio test successfully. Staff continues to do tests with Member Agencies on the WEROC Radio system and to work with Radio Technicians to identify long-term solutions.</p> <p>Janine Schunk, MWDOC/WEROC Administrator, has been providing general EOC maintenance by meeting with contractors for site cleanings, lock repair, and phone repair. She has also completed a significant update to the WEROC contact list and is starting to update those contacts in the appropriate EOC support systems (AlertOC, Safety Center, EOC resources, etc.)</p>

WATER USE EFFICIENCY	
State Water Resources Control Board (SWRCB) Hearing	On February 8, Joe Berg attended a SWRCB hearing held in Sacramento to consider extending the Emergency Drought Regulations. After significant public comment, the SWRCB voted to extend the Emergency Drought Regulations the full 270 days, but committed to revisiting water supply conditions in the April-May timeframe and potentially withdrawing Drought Regulations. Agencies have the option to update their Stress Tests, if desired. All monthly reporting and end user restrictions remain in place. More than 50 representatives from throughout the state made comments, with most requesting an end to the Regulations.
California Environmental Dialogue Committee Meeting	On February 16, Joe and I attended the California Environmental Dialogue Long View Committee Meeting at the Wine Institute in San Francisco. Grant Davis of Sonoma County Water Agency and Bob Wilkinson of Earth Island Institute co-chaired the meeting. Executive Director, Jonathan Clay, provided staff support for the meeting which focused on the Governor's Executive Order B-37-16 to make water conservation a California Way of Life. Max Gomberg from SWRCB and Peter Brostrom from DWR.
MET Water Conservation Workgroup Meeting	<p>On February 16, Beth Fahl attended Metropolitan's Water Use Efficiency Workgroup meeting. Approximately 30 member agencies participated in the meeting. Agenda items included:</p> <ul style="list-style-type: none"> • Metropolitan Conservation Board Presentations • Update on Oroville Dam • SoCal Gas Presentation on Ozone Laundry • Metropolitan Program Updates <ul style="list-style-type: none"> ○ Research ○ Classes ○ Metropolitan Spring Green RFQ for Landscape Design ○ Peer to Peer ○ EGIA Contract ○ Water Smart Innovations ○ Member Agency Inspections • Member Agency Roundtable <p>The next meeting is scheduled for March 16, 2017 at Metropolitan.</p>

ACC-OC Panel Discussion	<p>On February 21, Joe participated in a panel discussion regarding the Emergency Drought Regulations. The panel was moderated by Joone Lopez from Moulton Niguel Water District and was intended to educate local officials about the SWRCB's recent action to extend the Emergency Drought Regulations. Panel members included: Debbie Franco, Community and Rural Affairs Advisor and Local Drought Liaison - Governor's Office of Planning and Research, Erik Ekdahl, Director of Research, Planning, and Performance, SWRCB, Peter Brostrom, Urban Water Efficiency Program Manager, DWR, Frank Loge, Professor with the Department of Civil and Environmental Engineering - UC Davis, Kathy Tiegs, ACWA Board President, Tracy Quinn, Policy Analyst-Water Program, NRDC, Greg Woodside, Executive Director of Planning and Natural Resources, OCWD, Kris Murray, Council Member - City of Anaheim, Dennis Wilberg, City Manager - City of Mission Viejo, and Mark Grey – Director of Environmental Affairs - Building Industry Association of Southern California. The event was attended by approximately 35 ACC-OC members. Ms. Baez also attended.</p>
Orange County Water Use Efficiency Coordinators Workgroup	<p>On March 2, Joe, Beth, Steve Hedges, Matthew Conway, Rachel Waite, and Laura Loewen hosted the OC WUE Coordinators' Workgroup meeting at MWDOC where 25 agencies participated. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates • Agency Roundtable/Problem Solving • Water Supply Update • SWRCB Regulations Update • Public Affairs/Marketing Update <ul style="list-style-type: none"> ○ Wyland Foundation National Mayor's Challenge ○ OC Water Summit Save the Date ○ Water Policy Dinner Save the Date ○ Boy Scout Soil and Water Conservation Merit Badge Clinic ○ Water Awareness Poster Contest ○ Marketing for Turf Removal, Spray to Drip, Nozzles, and Timers • MWDOC Board Items <ul style="list-style-type: none"> ○ Design Assistance ○ Multi-Family Premium HET Direct Install Program • Metropolitan Update <ul style="list-style-type: none"> ○ Metropolitan Board Update ○ Metropolitan Programs Update

OC WUE Coordinators' (Continued)	<ul style="list-style-type: none"> ▪ Research ▪ RFQ for Landscape Design ▪ EGIA Contract ▪ Member Agency Inspections • Water Use Efficiency Programs Update <ul style="list-style-type: none"> ○ Umbrella Agreement <ul style="list-style-type: none"> ▪ Amendment 1 and Turf and Drip Addendums ○ Landscape Training Classes • California Urban Water Conservation Council Update <ul style="list-style-type: none"> ○ New Name – California Water Efficiency Partnership (Cal WEP) ○ Executive Director Search <p>The next meeting is scheduled for April 6, 2017 at MWDOC.</p>
PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	<p>Heather attended the MWDOC Member Agency Managers meeting and provided a quick update on the SWRCB's decision to extend the emergency drought declaration an additional 270 days. She also provided an update on the SWRCB's regulation for retail water agencies to provide lead testing to schools that request it.</p> <p>Heather met with Jim Leach from Santa Margarita Water District to discuss upcoming legislative issues and events.</p> <p>Laura attended two OC Garden Friendly preparation meetings.</p> <p>Laura and Tiffany attended the Water Use Efficiency Workgroup meeting. Laura gave an update on Public Affairs activities. Tiffany gave a brief presentation on the Wyland Mayor's Challenge and MWDOC's break-away challenge award of a water-efficient pocket park.</p> <p>Jonathan and Laura met with MWDOC education contractors and staff from the City of San Clemente to discuss the MWDOC education programs.</p> <p>Jonathan and Laura and MWDOC education contractors made a presentation about the education programs to the South Coast Water District Board of Directors.</p>

Member Agency Relations (Continued)	<p>Jonathan worked with Huntington Beach in preparation for my presentation to the City Council to gain support for the California WaterFix. Eight agencies have endorsed the project.</p> <p>Ivan coordinated Ricki Raindrops appearance in support of South Coast Water District at the Dana Point Festival of Whales. Bryce and Ivan staffed the event.</p>
Community Relations	<p>Heather and Tiffany attended the Women in Water Breakfast hosted by East Orange County Water District at the Discovery Cube. The guest speaker was MWDOC Director Megan Yoo Schneider.</p> <p>Heather attended the South Orange County Economic Coalition meeting where Karl and Director McKenney were the guest speakers providing a 2017 "Drought Update."</p> <p>Jonathan met with ACC-OC Executive Director, Heather Stratman to discuss joint projects.</p>
Education	<p>Jonathan and Laura staffed the Boy Scout Soil and Water Conservation Merit Badge Clinic at OCWD. 57 Scouts earned their merit badge. Laura sent out a post-survey to the Scouts. They are also taking registration and coordinating for the April 1st clinic at IRWD.</p> <p>Damon, Jonathan and Laura met with Directors Tamaribuchi and Yoo Schneider to discuss the proposed countywide water education program.</p> <p>Jonathan and Laura hosted Yvette Martinez and Adrian Hightower, Metropolitan staff, and MNWD staff at a Laguna Hills high school visit.</p> <p>Laura attended the Mission Viejo HS Expo with staff from MNWD and SMWD, and the Anaheim HS Expo with staff from Anaheim Public Utilities.</p> <p>Bryce wrote a letter of congratulations for Janet Yamaguchi, Director of Education at the Discovery Cube. Ms. Yamaguchi was awarded the National Science Teachers Association Distinguished Informal Science Education Award.</p>

Media Relations	Jonathan wrote an article about MWDOC and OC water for the OC REALTOR magazine.
Special Projects	<p>Bryce launched a Facebook advertising campaign for two Water Use Efficiency programs. The ads have reached over 20,000 people and sent over 600 people to the ocwatersmart.com rebates page.</p> <p>Laura sent out invitations and organized the kick-off meeting for the Consumer Confidence (Water Quality) Reports.</p> <p>Jonathan, Damon, Tiffany, and Bryce worked on a California WaterFix toolkit, which can be used by MWDOCs partners when discussing the WaterFix.</p> <p>Bryce worked with Director Yoo Schneider to write her bio for the MWDOC Director page.</p> <p>Bryce and Tiffany had conference calls with potential vendors for the MWDOC hallway display.</p> <p>Jonathan shepherded the contract for Stetson Engineering to complete the CCR reports through the approval process and hosted the kick-off meeting with Laura.</p> <p>Heather, Karl and John Lewis met with Supervisor Andrew Do's new Chief of Staff, Chris Wangsaporn to brief him on the OCFCD's proposed utility license fee. They also met with Supervisor Todd Spitzer's Chief of Staff, Melanie Eustice, to discuss the issue with her.</p> <p>Heather staffed the WACO Planning meeting and coordinated the March WACO speaker, Jim Green from MET who gave an update on the Oroville Dam.</p> <p>Heather and Laura staffed the ISDOC Executive Committee meeting.</p> <p>Tiffany and Bryce are currently working on itineraries, trip logistics, guest and Director requirements for the following inspection trips:</p> <ol style="list-style-type: none"> 1. April 7-9, Director Barbre, CRA/Hoover 2. May 5, Director McKenney, Diamond Valley Lake 3. June 23-25, Director Ackerman, CRA/Hoover

Special Projects (Continued)	<p>Tiffany coordinated and co-led a conference call with Wyland Foundation and MWDOC member agency representatives, to discuss logistics and program participation for the 2017 Wyland National Mayor's Challenge. Also discussed was the break-away challenge in which one winning city would be presented a pocket park by MWDOC, the Wyland Foundation and their partners. Tiffany also prepared a promotional flyer, contacted all OC Mayors and their city managers and prepared and sent a news release to MWDOC database contacts to include elected officials, PAW group and member agency general managers. Jonathan sent the news release to local media groups and Bryce posted the flyer on our social media pages.</p> <p>Tiffany, Bryce and Damon met with Director Barbre and MET staff for an April 7-9 CRA/Hoover trip planning meeting.</p> <p>Bryce and Tiffany worked with Met on the March 5 & 6 San Jacinto Tunnel tours. Seven MWDOC guests toured the tunnel over the course of two days.</p> <p>Tiffany and Damon staffed Director Barbre's February 23-25 tour of the State Water Project. The trip was a shared with Director Beard of the city of Fullerton.</p> <p>Laura sent out the invitation for the ISDOC Quarterly Luncheon, and assisted in the coordination of the program.</p> <p>Laura facilitated a pre-planning CCR meeting for OCWD and Stetson engineering.</p> <p>Laura attended the NPDES Sub-Committee Meeting.</p> <p>Laura created a Flyer for the Water Use Control Workgroup Meeting.</p> <p>Laura completed and distributed the 2017 Annual Orange County Cities and Water Agencies' Directory. She is also working on the 2017 ISDOC Directory.</p> <p>Tiffany and Damon met with staff at the Great Wolf Lodge to tour event facilities and discuss AV options for the March 30 Water Policy Dinner.</p>
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Special Projects (Continued)	<p>Tiffany and Damon participated in a conference call with Great Wolf Lodge General Manager, Phil Cunningham. The discussion was focused on Mr. Cunningham speaking at the Water Policy Forum & Dinner prior to the main program, about the water-efficient accomplishments of the hotel.</p> <p>Tiffany participated in a Save Our Water partner webinar.</p> <p>Tiffany and Bryce participated on a conference call with LA Design Studio to discuss wireframe recommendations and navigation structure for the new website.</p> <p>Tiffany and Bryce met with Matthew Conway to discuss the direction of the Landscape Assistance Program on the new MWDOC website.</p> <p>Jonathan attended seminars on social media, communications tools and media at a Public Relations Society conference in Riverside.</p> <p>Jonathan worked with contractors on the CHOICE magazine program and whiteboards, finalizing scripts and meeting with writers with Karl and me.</p>
Legislative Affairs	<p>Heather participated in the ACWA Region 10 State Legislative Committee pre-meeting call to discuss any thoughts or issues the region members may have with upcoming bills.</p> <p>Heather attended the ACWA State Legislative Committee meetings in Sacramento on February 10 and March 3.</p> <p>Heather, Bryce, Ivan, Laura and Tiffany made the final arrangements for the Southern California Water Issues Briefing Luncheon MWDOC co-hosts in Washington D.C. Heather ordered the food and collected the final RSVPs. Laura made all of the name tags; Tiffany designed and updated the event program, with assistance from Bryce and Ivan. It was a true team effort.</p> <p>Heather attended the ACWA D.C. Legislative Conference in Washington D.C. The first panel featured policy makers: Kiel Weaver, Staff Director, House Water, Power and Oceans subcommittee, Joaquin Esquivel, Assistant Secretary for Federal Water Policy, Gov. Jerry Brown, and John Watts, Legislative Director to Sen. Dianne Feinstein. The second panel was comprised of water journalists: Reid Wilson, The Hill; Samantha Page, Center for American Progress; Ariel Wittenberg, E&E Daily, and Michael Doyle, McClatchy Newspapers. Director Tamaribuchi also attended.</p>

Legislative Affairs (Continued)	<p>Heather participated in the ACWA Region 10 State Legislative Committee pre-meeting call to discuss any thoughts or issues the region members may have with upcoming bills.</p> <p>Heather attended the ACWA State Legislative Committee meeting in Sacramento on Feb. 10 and March 3.</p> <p>Heather participated in MET's Legislative Coordinators' Conference Call.</p> <p>Jonathan worked with contractors on the CHOICE magazine program and whiteboards, finalizing scripts and meeting with writers with Karl and me.</p> <p>MWDOC co-hosted their annual Southern California Water Issues Briefing Luncheon with partners Eastern Municipal Water District, Inland Empire Utilities Agency, Long Beach Water Department and Western Municipal Water District. Congress members Ken Calvert, Alan Lowenthal, Ed Royce, Dana Rohrabacher, and Darrell Issa attended, along with staff from Congresswoman Norma Torres's office and Congressman Raul Ruiz's office. Approximately 60 guests total attended the luncheon. The luncheon was emceed by Director Barbre with Directors Yoo Schneider and Tamaribuchi also attending.</p> <p>Heather attended ACWA's afternoon session which included guests Senator Dianne Feinstein, Congressman Kevin McCarthy, Congressman John Garamendi, Congressman Doug La Malfa, Congresswoman Nanette Barragan, Congressman Jeff Denham, Congressman Ken Calvert, and Congressman Jim Costa. Director Tamaribuchi also attended.</p>
Water Summit	<p>Director Osborne and Damon participated in a Water Summit committee meeting with Orange County Water District representatives. Items discussed included program structure and speakers, sponsorships and budget.</p>

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
- Megan Yoo Schneider