

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
April 19, 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>.

ACKNOWLEDGEMENT OF KEITH LYON ON THE OCCASION OF HIS RETIREMENT

NEXT RESOLUTION NO. 2048

CONSENT CALENDAR (Items 1 to 5)

(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. March 1, 2017 Adjourned Workshop Board Meeting
- b. March 15, 2017 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee: March 6, 2017
- b. Administration & Finance Committee: March 8, 2017

- c. Public Affairs & Legislation Committee: February 21, 2016
- d. Public Affairs & Legislation Committee: March 20, 2016
- e. Executive Committee Meeting: March 16, 2017
- f. MWDOC/OCWD Joint Planning Committee: March 22, 2017

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of March 31, 2017
- b. MWDOC Disbursement Registers (March/April)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of February 28, 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 February 28, 2017

Recommendation: Receive and file as presented.

5. TECHNICAL ASSISTANCE TO STAFF ON ELECTROMAGNETIC FLOWMETERS (MAG METERS) OR ULTRASONIC FLOWMETERS (SONIC METERS)

Recommendation: Authorize the General Manager to enter into a contract with Black & Veatch Engineers for technical assistance to support staff on a not to exceed basis of \$16,000.

– End Consent Calendar –

ACTION ITEMS

**6-1 UPDATE TO THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
CONTINUITY OF OPERATIONS (COOP) PLAN RES. NO. _____**

Recommendation: Adopt Resolution approving the updated Municipal Water District of Orange County (MWDOC) Continuity of Operations (COOP) Plan, as presented.

6-2 AB 1667 (FRIEDMAN) – URBAN WATER SUPPLIERS: LANDSCAPE WATER METERS

Recommendation: Adopt an oppose position on AB 1667 (Friedman).

6-3 AB 869 (RUBIO) – RECYCLED WATER STATUTORY PROTECTIONS

Recommendation: Adopt a support position on AB 869 (Rubio).

6-4 AB 732 (FRAZIER) – DELTA LEVEE MAINTENANCE

Recommendation: Adopt an oppose position on AB 732 (Frazier).

6-5 AB 791, AB 792 AND AB 793 (FRAZIER) – DELTA REGION MEASURES

Recommendation: Adopt an oppose position on AB 791, 792 and 793 (Frazier).

6-6 AB 574 (QUIRK) – RECYCLED WATER

Recommendation: Adopt a support position on AB 574 (Quirk).

6-7 AB 968 (RUBIO) – LONG-TERM WATER USE EFFICIENCY

Recommendation: Consider adopting a conditional support position on AB 968 (Rubio) as it is still in draft form.

6-8 AB 1654 (RUBIO) – WATER SHORTAGE: URBAN WATER MANAGEMENT PLANNING

Recommendation: Adopt a support position on AB 1654 (Rubio).

6-9 CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) CALL FOR NOMINATIONS, SEAT C

Recommendation: The Public Affairs & Legislation Committee will review this item on April 17, 2017 and make a recommendation as to whether a member of the MWDOC Board of Directors would like to be nominated and run for the CSDA Board of Directors Southern Network, "Seat C."

6-10 AUTHORIZATION TO CONTRACT FOR SOCIAL MEDIA CONSULTING SERVICES FOR CA WATERFIX & ECORESTORE CAMPAIGN

Recommendation: Authorize entering into a contract with HashtagPinpoint Corporation for strategic social media consulting services for the Municipal Water District of Orange County (MWDOC) California WaterFix & EcoRestore Outreach Campaign at a base cost of \$5,000 per month for three months.

6-11 ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA) POLICY STATEMENT ON BAY-DELTA FLOW REQUIREMENTS

RES. NO. _____

Recommendation: Adopt the attached resolution in support of ACWA's policy statement on Bay-Delta flow requirements.

6-12 RESOLUTION FOR RETIRING MET DIRECTOR ROBERT WUNDERLICH
RES. NO. _____

Recommendation: Adopt a Resolution for retiring MET Director Robert Wunderlich.

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

7. GENERAL MANAGER'S REPORT, APRIL 2017 (ORAL AND WRITTEN)

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

8. 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.

CLOSED SESSION

9. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9: (1 case)

ADJOURNMENT

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

MINUTES OF THE WORKSHOP BOARD MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
March 1, 2017

The Workshop Meeting of the Board of Directors of the Municipal Water District of Orange County (MWDOC) scheduled for Wednesday, March 1, 2017 at 8:30 a.m., at the offices of the District, 18700 Ward Street, Fountain Valley, California, was canceled due to lack of a quorum. A Notice of Cancelation was thereon duly posted.

APPROVED:

Maribeth Goldsby, District Secretary

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
March 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. Director Tamaribuchi 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
Joe Byrne, Legal Counsel
Maribeth Goldsby, Board Secretary
Harvey De La Torre, Associate General Manager
Damon Micalizzi, Director of Public Affairs
Jonathan Volzke, Public Affairs Manager
Joe Berg, Director of Water Use Efficiency

ALSO PRESENT

Larry McKenney
Brian Ragland
Jim Atkinson
Ray Miller
Rick Erkeneff
Dennis Erdman
Andy Brunhart
Al Nederhood
Brooke Jones
Richard Eglash
Kelly Rowe
Andy Sells
Peter Kuchinsky

MWDOC MET Director
City of Huntington Beach
Mesa Water
City of San Juan Capistrano
South Coast Water District
South Coast Water District
South Coast Water District
Yorba Linda Water District
Yorba Linda Water District
Brady & Associates
Water Resources Consultant
ACWA/JPIA
ACWA/JPIA

INTRODUCTION OF NEW EMPLOYEES

Director of Water Use Efficiency Joe Berg introduced new employees Matthew Conway, Water Use Efficiency Program Coordinator, and Rachel Waite, Water Use Efficiency Analyst, to the Board.

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.

Mr. Brian Ragland (City of Huntington Beach) thanked the MWDOC staff for attending the City's Intergovernmental Relations Committee meeting, as well as presenting information to the

Huntington Beach City Council regarding the WaterFix, noting that the Council voted to support the WaterFix.

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.

It was noted that a letter from Mr. Fred Adjarian (El Toro Water District) requesting MWDOC's support for his candidacy on the ACWA/JPIA Executive Committee was distributed to the Board and made available to the public.

PRESENTATION BY ANDY SELLS OF ACWA/JPIA

Mr. Andy Sells, along with Mr. Peter Kuchinsky, from ACWA/JPIA, presented a check for \$47,771 to the District which represented a refund on MWDOC's liability and property insurance premiums.

CONSENT CALENDAR

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

Director Barbre pulled Item No. 6 (Additional Authorization of Work for the OC Water Reliability Study 2017 Update) from the Consent Calendar for further discussion.

Upon MOTION by Director Thomas, seconded by Director Finnegan, and carried (7-0), the Board approved the balance of 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.

November 16, 2016 Regular Board Meeting (revised)
February 1, 2017 Workshop Board Meeting
February 15, 2017 Regular Board Meeting

COMMITTEE MEETING REPORTS

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

Planning & Operations Committee Meeting: February 6, 2017
Administration & Finance Committee Meeting: February 8, 2017

Executive Committee Meeting: February 16, 2017

TREASURER'S REPORTS

The following items were ratified and approved as presented.

MWDOC Revenue/Cash Receipt Register as of February 28, 2017
MWDOC Disbursement Registers (February/March)

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 January 31, 2017

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 January 31, 2017

LANDSCAPE DESIGN ASSISTANCE PROGRAM

The Board authorized 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 is authorized to contract with them as well.

WEROC RADIO SYSTEM REPLACEMENT EVALUATION

The Board directed 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; authorized 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 return to the Board with final proposed solutions and costs for approval.

APPROVE PARTICIPATION IN THE CENTER FOR DEMOGRAPHIC RESEARCH

The Board approved 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.

MULTI-FAMILY TOILET REBATE PROGRAM

The Board authorized staff to administer a Multi-Family Toilet Rebate Program utilizing MWDOC's allocation of Metropolitan's Member Agency administered funding.

TRAVEL TO WASHINGTON, DC TO COVER FEDERAL INITIATIVES

The Board received and filed the report.

TRAVEL TO SACRAMENTO TO COVER STATE INITIATIVES

The Board received and filed the report.

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

The Board adopted a support position on H.R. 23 and directed staff to send a letter to the bill's author and members of the Orange County Congressional delegation.

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

The Board authorized the services of Staffing Network and Matrix Imaging to assist with Records Management scanning of District records.

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

The Board authorized 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**ITEMS PULLED FROM THE CONSENT CALENDAR****ADDITIONAL AUTHORIZATION OF WORK FOR THE OC WATER RELIABILITY STUDY 2017 UPDATE**

Responding to an inquiry by Director Barbre, Assistant General Manager Karl Seckel advised that the Poseidon Desalination Project was not earmarked as a potential project in the OC Water Reliability Study, as the Study included projects that had a greater likelihood of success in the short-term. He also noted that two issues identified with the Poseidon Project are (1) it provides more reliability than needed in Orange County; and (2) decreasing demands on the Diemer Plant would create unintended consequences, such as issues with water quality. Director Barbre expressed his belief that the Poseidon Project should be included, noting his belief that it has a greater likelihood of success than the Carson Project. Mr. Seckel advised that the additional update to the Study would include an analysis on when, or at what point, the Poseidon Project would make sense. Following this clarification/discussion, and upon MOTION by Director Barbre,

seconded by Director Thomas, and carried (7-0), the Board increased 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. Directors Barbre, Dick, Finnegan, Osborne, Yoo Schneider, Tamaribuchi & Thomas voted in favor.

ACTION CALENDAR

ACWA/JPIA EXECUTIVE COMMITTEE – REQUEST FOR CONCURRING RESOLUTIONS

Director Finnegan recommended the District concur in the nominations of all four candidates, namely, Fred Adjarian (El Toro Water District), Paul Dorey (Vista Irrigation District), Kathleen Tiegs (Cucamonga Valley Water District), and Melody Henriques- McDonald (San Bernardino Valley Water Conservation District). Several Board members concurred, expressing priority support for Fred Adjarian.

Upon MOTION by Director Finnegan, seconded by Director Barbre, and carried (7-0), the Board adopted RESOLUTION NO. 2044, concurring in the nomination of Fred Adjarian to the ACWA/JPIA Executive Committee, RESOLUTION NO. 2045, concurring in the nomination of Paul Dorey to the ACWA/JPIA Executive Committee, RESOLUTION NO. 2046, concurring in the nomination of Kathleen Tiegs to the ACWA/JPIA Executive Committee, and RESOLUTION NO. 2047, concurring in the nomination of Melody Henriques-McDonald to the ACWA/JPIA Executive Committee. Said RESOLUTIONS were adopted by the following roll call vote:

AYES: Directors Barbre, Dick, Finnegan, Osborne, Yoo Schneider, Tamaribuchi & Thomas

NOES:None

ABSENT: None

ABSTAIN: None

INFORMATION CALENDAR

GENERAL MANAGER'S REPORT, MARCH 2017

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

President Osborne commented that due to drought conditions last year, the Colorado River supplies were at 100% pumping capacity (in an effort to save or reduce deliveries from the State Water Project) and he inquired as to whether that would change as a result of the current above-average rainfall/snow pack. Director Barbre advised that MET is pumping 100% State Water Project Water through its treatment plants, storage facilities are being filled (Diamond Valley Lake is at 80%), and that it is anticipated that Lake Powell supplies will increase approximately 60 feet. Mr. Barbre also noted that currently MET's Table A Allocation is currently set at 60%, but may increase to 80%; MET will know more in April.

General Manager Hunter advised that staff is seeking input on the fiscal year 2017-18 budget, that MWDOC will host its Water Policy Dinner at the Great Wolf Lodge on March 30 (with Jeff Kightlinger as main speaker, and will include a segment honoring Legal Counsel Russ Behrens). He also advised that MWDOC will host its Elected Officials Forum on April 26th.

Mr. Hunter noted that the new WEROC Emergency Program Coordinator will begin employment soon, and, as a result, MWDOC will be fully staffed.

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 Yoo Schneider reported on attending all MWDOC Board and Committee meetings, the South Coast Water District Board meeting, a legislative trip to Washington, DC, a MET inspection trip of the San Jacinto Tunnel, a meeting with Emerald Bay, a meeting with Orange County Water District, and a meeting with Santa Margarita Water District. She also reported on upcoming meetings, including a CSDA Governance Training, a meeting with Inside the Outdoors regarding the Education Program, and an Integrated Regional Water Management Plan (IRWMP) meeting.

Director Thomas stated that he attended the MWDOC Planning & Operations, Administration & Finance, and Board meetings, Water Summit planning meeting(s), a meeting with Trabuco Canyon Water District, a meeting with the South County agencies, and advised that he will be attending the Santa Margarita Water District Committee meeting later in the week. He encouraged all to register and attend the Water Summit which will be held on June 16th at the Grand Californian Hotel in Anaheim.

Director Tamaribuchi noted his attendance at all of the MWDOC Board and Committee meetings (except the Administration & Finance Committee), the meeting with South County agencies, the ACWA Legislative Conference in Washington, DC, the ACWA Legislative Symposium in Sacramento, and the OCBC Legislative trip to Sacramento.

Director Barbre reported that he attended the following meetings in his capacity as a MWDOC Director: the Board meeting, the Executive, Public Affairs & Legislation, Planning & Operations, and Administration & Finance Committee meetings, the Trabuco Canyon Water District Board meeting, a meeting with Phil Hawkins, the ACWA Legislative conference in Washington, DC, and the WACO meeting. In his capacity as a MET Director, he attended: a planning meeting for an upcoming Colorado River Aqueduct inspection trip, the Steve Anderson Dedication Ceremony at the City of La Habra treatment reservoir, he hosted a State Water Project inspection trip, he attended the MET Board and Committee days (second Monday/Tuesday), the MET Committees (4th Tuesday), a hearing of the Natural Resources Committee (in DC), a Committee meeting and met with legislative staff while in Washington, DC, the MWDOC/MET Directors meeting, the Inland Empire Caucus meeting, a meeting with Pat Scanlon and Bill Gedney (Golden State Water Company), noting that Mr. Gedney has been appointed as a MET Director from Central Basin Municipal Water District.

Director Finnegan noted her attendance at the ISDOC Workshop, the MWDOC Board meetings, the Planning & Operations, Public Affairs & Legislation, Administration & Finance, and Executive Committee meetings, the ISDOC Executive Committee meeting, and the WACO Planning Committee meeting. She announced that the next ISDOC luncheon would be held on Thursday, March 30th.

Director Dick reported on attending the following meetings: the MWDOC Workshop Board meeting, the Executive, Public Affairs & Legislation, and Planning & Operations Committee meetings, a planning meeting for the MET Local Resources Program (LRP), a meeting with MET legal counsel regarding the San Diego litigation, the OC Taxpayers Association meeting, the MWDOC/MET Directors meeting, the MET Board and Committee meetings. He commended Mr. Hunter for his presentation regarding the California WaterFix at a recent meeting with the City of Garden Grove while he was out of town.

Director Osborne stated that he attended the MWDOC Board and Committee meetings, the OC Water Summit planning meeting (February 27), the WACO meeting (March 3), and the ISDOC Executive Committee meeting.

Responding to an inquiry by President Osborne, Director Barbre gave a brief overview of the recent ACWA Legislative trip to DC, noting the luncheon was well attended by the legislators and was a worthwhile effort.

ADJOURNMENT

There being no further business to come before the Board, President Osborne adjourned the meeting at 9:04 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
March 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
Matthew Conway

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
Jim Leach, Santa Margarita Water District
Don Froelich, Moulton Niguel Water District
Jake Vollebregt, Moulton Niguel Water District
Jose Vergara, El Toro Water District

Chair 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

No items were presented.

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.

BOARD ACTION ITEM**PARTNERSHIP WITH WYLAND FOUNDATION – OC CHALLENGE**

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

Mr. Hunter added that the committee's prior request to include a 5-year requirement to maintain the park has been included.

Upon MOTION by Director Tamaribuchi, seconded by Director Yoo Schneider, and carried (7-0), the Board approved the partnership with Wyland Foundation—OC Challenge. Directors Dick, Finnegan, Yoo Schneider, Osborne, Barbre, and Tamaribuchi all voted in favor.

President Osborne adjourned the Board meeting and turned the meeting back over to P&O Chair Dick.

ACTION ITEMS:**LANDSCAPE DESIGN ASSISTANCE PROGRAM**

Chair Dick introduced the Landscape Design Assistance Program which is before the Committee for approval and asked Mr. Berg to give the Board a synopsis. He explained that the 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 including the appropriate maintenance for California landscape.

There was then discussion on the benefits of such a program. Director Yoo Schneider stated that this is key to addressing the issue with the turf program. Mr. Berg reiterated that 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. Director Tamaribuchi requested that templates be made available to our member agencies. Also, he mentioned other local California landscape gardens, UCI's extension garden and Coastkeepers garden. Mr. Berg stated that we've been working with Coastkeepers and they can get classroom access at the college. We will be hosting CA landscaping classes and MET will provide the instructor and Coastkeepers will secure the classroom and market the classes.

Upon MOTION by Director Tamaribuchi, seconded by Director Yoo Schneider, and carried (3-0), the Committee recommended approval of the Landscape Design Assistance Program at the March 15, 2017 Board meeting. Directors Dick, Tamaribuchi and Yoo Schneider all voted in favor.

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

Director Dick noted that additional authorization for the OC Water Reliability Study is before the Committee for approval.

Upon MOTION by Director Tamaribuchi, seconded by Director Yoo Schneider, and carried (3-0), the Committee recommended approval of additional authorization of work for the OC Water Reliability Study 2017 Update at the March 15, 2017 Board meeting. Directors Dick, Yoo Schneider and Tamaribuchi voted in favor.

WEROC RADIO SYSTEM REPLACEMENT EVALUATION

Director Dick noted that staff is recommending that WEROC join the Orange County Sheriffs' Department's radio program and he is pleased to move forward with radios and equipment as all of our member cities and districts should be participating in radio checks. Ms. Hubbard noted that the Sheriff's Department maintains the radios and that we'd purchase one of the radios for each member agency to start. Mr. Hunter noted that a complete assessment of the WEROC program is included in the budget and WEROC will be implementing additional studies as well.

Upon MOTION by Director Tamaribuchi, seconded by Director Yoo Schneider, and carried (3-0), the Committee recommended approval of WEROC radio system replacement evaluation at the March 15, 2017 Board meeting. Directors Dick, Tamaribuchi and Yoo Schneider all voted in favor.

APPROVE PARTICIPATION IN THE CENTER FOR DEMOGRAPHIC RESEARCH

Director Dick noted that we have used CDR for many years and this request has been budgeted and he looks forward to continuing the relationship.

Upon MOTION by Director Yoo Schneider, seconded by Director Tamaribuchi, and carried (3-0), the Committee recommended approval of participation in the Center for Demographic Research at the March 15, 2017 Board meeting. Directors Dick, Tamaribuchi and Yoo Schneider all voted in favor.

MULTI-FAMILY TOILET REBATE PROGRAM

Director Tamaribuchi recused himself and Chair Dick appointed Director Finnegan to sit on the Committee for consideration of the Multi-Family Toilet Rebate Program. Director Yoo Schneider inquired about the current program's inspection policy. Mr. Berg stated that we inspect a minimum of 10%. Director Barbre stated that he didn't feel 10% was enough and inquired about the expected payback to the apartment property. Mr. Berg stated that he'd have to crunch the numbers. Director Yoo Schneider asked if we could request the apartment owner to check those toilets which are not being replaced for leaks. Mr. Berg agreed that that could be done or we could even do that when we're there inspecting.

Upon MOTION by Director Yoo Schneider, seconded by Director Finnegan, and carried (3-0), the Committee recommended approval of participation in the Multi-Family Toilet Rebate Program at the March 15, 2017 Board meeting. Directors Dick, Tamaribuchi and Yoo Schneider all voted in favor.

DISCUSSION ITEMS**METROPOLITAN PROPOSED FIXED TREATMENT CHARGE**

Mr. Hunter stated that if MET's Board passes this it would not go into effect for 3 years.

INFORMATION ITEMS**DESALINATION SLANT WELL DECOMMISSIONING PROJECT STATUS UPDATE**

Director Barbre noted that when we installed the well in 2006, we did estimates on how well it would perform and Mr. Seckel stated that the equipment performed as we expected. The well structure itself performed satisfactorily but we didn't have the pumping capacity to adequately develop it which resulted in sanding issues. This would not occur with the full scale project. Mr. Hunter congratulated and thanked Mr. Seckel and Mr. Busslinger for completing the project ahead of schedule and under budget. Director Dick commented that Mr. Seckel and Mr. Bell have spent countless hours on the project and he's saddened that it didn't come to fruition as we had hoped, however, each project has its time.

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 9:20 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**

March 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, Maribeth Goldsby,
Hilary Chumpitazi, Jonathan Volzke,
Pari Francisco, Lina Gunawan, Kelly Hubbard,
Melissa Baum-Haley, Damon Micalizzi

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
Peer Swan, Irvine Ranch Water District
William Kahn, El Toro Water District
Mark Ronin, El Toro Water District
Neely Shahbakhti, El Toro Water District
Phil Lauri, Mesa Water
Paul Weghorst, Irvine Ranch Water District
Hector Ruiz, Trabuco Canyon Water District
Saundra Jacobs, Santa Margarita Water District

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

PUBLIC COMMENTS

There were none.

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 and an updated PFM report were distributed to the Board and made available to the public.

PROPOSED BOARD CONSENT CALENDAR ITEMS**TREASURER'S REPORT**

- a. Revenue/Cash Receipt Report – February 2017
- b. Disbursement Approval Report for the month of March 2017
- c. Disbursement Ratification Report for the month of February 2017
- d. GM Approved Disbursement Report for the month of February 2017
- e. Water Use Efficiency Projects Cash Flow – February 28, 2017
- f. Consolidated Summary of Cash and Investment – January 2017
- g. OPEB Trust Fund monthly statement

FINANCIAL REPORT

- a. Combined Financial Statements and Budget Comparative for the Period ending January 31, 2017
- b. Quarterly Budget Review

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

DISCUSSION ITEMS**FIRST DRAFT OF MWDOC'S BUDGET FOR 2017-18**

General Manager Hunter provided an overview of the proposed budget. His presentation included information on MWDOC's proposed rates/charges, MET's two-year budget rates, priorities and projects, an overview of Choice Programs, water loss control program; ongoing school programs; water use efficiency, and communications plan. Water purchases are up 11% and the majority of OPEB liability is in an irrevocable trust. MWDOC's number one effort remains ensuring that policies, supplies, programs and projects developed and implemented by MET have significant value to the residents and ratepayers in Orange County. Key issues will include IRP policy discussions, Local Resources Projects, water supply allocations, supply and system reliability, groundwater replenishment and storage, the State Water Project investments, including CA WaterFix, CRA, Water Quality, and Communication activities and legislation. Mr. Hunter noted that the baseline budget includes a planned draw on reserves of \$160,139, and that there are two optional staff positions not included in this first draft and both are government affairs staff positions, one a dedicated staffer for Federal issues and the second for grants' assistance activities currently under discussion. Mr. Hunter discussed WEROC and its capital needs which currently require an overall assessment of the program and Emergency Operations Centers with the likely conclusion being increased capital costs. He noted that he's asked Mr. Micalizzi to research communication outreach programs related to the CA WaterFix, MET activities and regulatory/legislative activities and how we get information out to our member agencies. Mr. Berg will be leading water use efficiency efforts on water savings potential, cost-efficient programs, increased emphasis on water loss and landscape design. Mr. Seckel will continue with the Orange County Reliability Study and work on the

emergency connection between OCWD and South Orange County. With regard to schedule, Mr. Hunter stated it's our goal is to work through member agency meetings for the next 3 months, the elected officials' forum at the end of April and then back to the Board in mid-May.

There was then discussion by the Committee and audience on the Government Affairs positions and two aspects came up – (1) do we need another person to work on Federal issues, and (2) what do we want to do regarding grant funding—hire a staff person or use consultant services. Director Barbre stated that it's his hope that we'll move Government Affairs under Public Affairs. Director Osborne stated that it's easy to add a position but hard to remove it. Further, that he'd prefer a consultant for the grant funding. Ms. Jacobs commented that she appreciates the support we've given to Director Gibson regarding the grant funding and she agreed that we hire a consultant for that. She asked further how a staffer for Federal affairs work would support or expand the lobbyist's work and would there be an offset of cost take work off lobbyist or in addition to what they're doing now. Director Barbre stated it's to enhance our entire Governmental Affairs Program (Federal and State) and to add a back-up for State legislative. Mr. Hunter stated we are talking about doing more so we must redefine our scope. Director Barbre stated that Ms. Baez isn't familiar with Federal process and the new staffer could back Ms. Baez up and vice versa.

Upon MOTION by Director Barbre, seconded by Director Finnegan, and carried (3-0), the Committee recommended the inclusion of one staff position for Federal legislative/grant funding activities to the draft fiscal year 2017-18 budget. Directors Thomas, Finnegan and Barbre all voted in favor.

The discussion then turned to memberships/district participation costs, with Director Barbre highlighting the high cost of the Association of Metropolitan Water Agencies (AMWA) (\$17,000), and the California Council for Environmental & Economic Balance (CCEEB) (\$29,500). The Committee requested updates on the value of these organizations at an upcoming Public Affairs & Legislation Committee meeting so that future participation in these entities could be evaluated during the budget process. It was mentioned that in addition to the high participation fees, additional budgeting is required for travel, conferences, etc.

Director Barbre then highlighted potential sponsorships, noting the Executive Committee had a robust discussion on whether to sponsor California Water Policy 26, as well as the overall policy of the Board to provide sponsorships during the year that are not budgeted. It was noted that the general practice of the Board was to refer entities requesting sponsorships that are not budgeted, to the next budget cycle for consideration.

Following discussion, and upon MOTION by Director Barbre, seconded by Director Yoo Schneider, and carried (3-0), the Committee recommended a sponsorship contingency fund of \$5,000 be added to the draft fiscal year 2017-18 budget. Directors Barbre, Finnegan, and Thomas voted in favor.

MWDOC'S RESERVE POLICY & PFM MEMO REPORT

Mr. Hunter stated that MWDOC retained PFM to review our current reserve policy. PFM recommends that (1) MWDOC change the reserve policy to reflect a range of reserve

targets based on a days of operating expense basis and (2) if MWDOC's Board does desire to begin accumulating a reserve for potential projects that a reasonable range for that reserve would be \$5 to \$10 million. MWDOC's existing reserve levels are within the range recommended by PFM.

Mr. Hunter posed two questions for the Board to consider—whether it's the board's desire to draft a change to the admin code regarding "days' basis", and does the Board desire to prepare for a project by examining the District's reserves. Director Barbre stated that yes the committee would like this on the agenda again next month for discussion.

ACTION ITEMS

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

Upon MOTION by Director Thomas, seconded by Director Finnegan, and carried (3-0), the Committee recommended authorization to hire temporary help to assist with records management scanning at the March 15, 2017 Board meeting. Directors Thomas, Finnegan and Barbre all voted in favor.

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

Upon MOTION by Director Thomas, seconded by Director Finnegan, and carried (3-0), the Committee recommended authorization to attend the California Water Policy 26 Conference, April 6-7, 2017, in San Diego, at the March 15, 2017 Board meeting. Directors Thomas, Finnegan and Barbre voted in favor.

INFORMATION ITEMS

SOLE SOURCE CONTRACT WITH FRANK PITMAN DESIGNS

The reports was 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

Mr. Hunter asked about the utility of this report. Director Barbre stated that it's gotten too lengthy—there are too many charts and it's useful to water people only.

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
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE**

February 21, 2017 - 8:30 a.m. to 10:20 a.m.

MWDOC Conference Room 101

Committee:

Director Sat Tamaribuchi, Chairman
Director Larry Dick
Director Megan Yoo Schneider

Staff:

Robert Hunter (via phone), Karl Seckel,
Jonathan Volzke, Pat Meszaros,
Tiffany Baca, Harvey De La Torre,
Bryce Roberto, Melissa Baum-Haley,
Kevin Hostert, Charles Busslinger,
Damon Micalizzi, Maribeth Goldsby,
Pari Francisco, Heather Baez,

Also Present:

Joan Finnegan, MWDOC Director
Brett Barbre, MWDOC Director
Wayne Osborne, MWDOC Director
Larry McKenney, MWDOC MET Director
Linda Ackerman, MWDOC MET Director
John Lewis, Lewis Consulting
Dick Ackerman
Jim Leach, Santa Margarita W.D.
Tony Solorzano, Discovery Cube
Syrus Devers, BBK
Stacy Taylor, Mesa Water
Chuck Gibson, SMWD
Peer Swan

Chair Tamaribuchi called the meeting to order at 8:30 a.m.

PUBLIC PARTICIPATION

No items were presented.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

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

No items were presented.

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

Director Dick expressed his disappointment with Senator Feinstein. After working with her for literally a decade, we still have not had any federally appropriated funds made available to us through the 2007 WRDA Account.

b. State Legislative Report (BBK)

Mr. Devers reported that the deadline to introduce bills was February 17 and he began his report with Park Bonds AB 18 (Garcia) and SB 5 (De Leon) which he mentioned in previous reports. Of the two, SB 5 (De Leon) is the better bill for water agencies at this early stage. It targets existing pots of money from Prop 1. Mr. Devers stated that we like them both but we'd give a thumbs up to SB 5. Mr. Devers stated further that it's good to be senate leader but Assemblyman Garcia is Chair of the Assembly Water, Parks and Wildlife Committee and will have a lot of sway over what goes on in his committee. He's passionate about the Salton Sea. Mr. Devers noted that another water bond is being discussed as well, maybe next year.

SCA 4 (Hertzberg) is a redo from last year and is a spot bill that merits discussion. Mr. Devers stated that they had a very robust discussion at the ACWA State Leg Committee. AB 313 (Gray) is a massive bill that will get a lot of attention. It reorganizes water rights and how they're administered. It reorganizes California's water rights' system and administration of the State Water Project. The bill would transfer the existing authority of the State Water Resources Control Board over water rights to the Department of Water Resources. Mr. Devers stated further that this is a wide ranging bill and its odds are low for passing.

There was then further discussion of AB 313. Mr. Seckel asked if there were details in the bill. Mr. Devers stated that Gray came right out of the gate with this comprehensive bill which embodies several ideas going around and he needs leadership behind it to move it. Director Barbre inquired whether it would be good to discuss this bill with Mr. Daly since he's part of the mod caucus. Mr. Devers thought Daly would be good to talk with about this as he is extremely important within the mod caucus.

Lastly, Mr. Devers discussed AB 574 (Quirk) potable reuse concept and stated that it's a great bill and Quirk is a great author. Further, it is sponsored by Water Reuse which is an influential group.

c. County Legislative Report (Lewis)

Mr. John Lewis reported that LAFCO adopted amendments to guidelines and policies at its last meeting. He also briefly discussed the January 31 Public Policy Institute of California poll.

d. Legal and Regulatory Report (Ackerman)

Mr. Ackerman stated that the Sacramento Bee reported that long term management of the entire Delta system is coming under scrutiny. Further that the Governor and legislature have put attention on other things and have not prioritized water.

e. MWDOC Legislative Matrix

The legislative matrix was received and filed.

SOUTHERN CALIFORNIA WATER ISSUES CONGRESSIONAL DELEGATION BRIEFING LUNCHEON

Ms. Baez reported that everything is confirmed and they are collecting rsvsps. Director Barbre reported that all Orange County delegates have responded except for Dana Rohrabacher, although he's never missed the luncheon.

Director Tamaribuchi inquired about the status of the briefing book and his desire to see it. Ms. Baez reported that they are still collecting data from the other agencies even though it was due by January 20. Director Barbre inquired who would be coming from our member agencies to which Ms. Baez responded that elected officials and staff of Santa Margarita Water District, Irvine Ranch Water District, Moulton Niguel Water District, Mesa Water District and Orange County Water District would be attending. Director Barbre stated that it will be a great luncheon in the Gold Room and will feature Chairman Record.

UPDATE ON REQUEST FOR MWDOC TO CONVENE A WORKING GROUP TO OBTAIN FEDERAL FUNDING

Mr. Gibson reported that he met with Mr. Hunter and Mr. Seckel and learned that MWDOC is already doing a lot of things with regard to federal funding. He'd like MWDOC, as a first step, to get the word out to our member agencies on what we're already doing and what they'd like to accomplish. Director Tamaribuchi asked if Mr. Gibson liked the ideas in the report to which Mr. Gibson responded that he did but he's looking for engagement of member agencies and what they'd like. Director Barbre mentioned that Mr. Berg has figured out the sweet spot for MWDOC and has obtained significant monies for water use efficiency projects. Mr. Swan gave an example of a collaborative project, the Baker Treatment Plant, which was a project that many agencies worked on together. Mr. Hunter commented that every task we take on, takes away from something else so someone dedicated to federal funding would require additional resources. Director Tamaribuchi suggested having continued discussions.

2017 WYLAND NATIONAL MAYOR'S CHALLENGE (MY WATER PLEDGE)

Ms. Baca stated that the Committee asked for additional information on the breakaway challenge so they have provided it. It is an excellent opportunity for MWDOC to engage and interact with our mayors. Director Dick inquired whether the recipient will be required to maintain the park for a specified time period. He stated his reluctance to support this because it's not budgeted and also can we get assurance that once we do the work, they'll

keep it up. Director Yoo Schneider opined that it's a great opportunity for the public to see what CA Friendly landscape looks like so it's a great educational opportunity. In addition, community events could be held there, too. Director Tamaribuchi suggests coming back to P&O and he'd like to see incorporated that there is a commitment to maintain it for five years. Ms. Baca noted, too, that Wyland is a celebrity, he has galleries in Laguna Beach and enjoys recognition worldwide. Mr. Micalizzi stated that this breakaway event is an interesting and unique opportunity for MWDOC to assert ourselves as leaders.

Director Tamaribuchi recommended that the Committee bring it back on March 6 for Board action at the P&O Committee meeting.

ACTION ITEMS

ACWA JPIA EXECUTIVE COMMITTEE – REQUEST FOR CONCURRING RESOLUTIONS

Ms. Baez noted that this item will go to MWDOC board on March 15 and resolutions are due to ACWA JPIA by March 24. Director Finnegan opted to wait for local people to put in requests. The Committee decided to defer this until the March 15, 2017 Board meeting.

TRAVEL TO WASHINGTON, DC TO COVER FEDERAL INITIATIVES

Upon MOTION by Director Dick, seconded by Director Yoo Schneider, and carried (3-0), the Committee recommended approval of travel to Washington, DC to cover federal initiatives at the March 15, 2017 Board meeting. Directors Barbre, Osborne and Tamaribuchi all voted in favor.

TRAVEL TO SACRAMENTO TO COVER STATE INITIATIVES

Upon MOTION by Director Dick, seconded by Director Yoo Schneider, and carried (3-0), the Committee recommended approval of travel to Sacramento to cover state initiatives at the March 15, 2017 Board meeting. Directors Barbre, Osborne and Tamaribuchi all voted in favor.

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

Upon MOTION by Director Dick, seconded by Director Yoo Schneider, and carried (3-0), the Committee recommended approval of H.R. 23 (Valadao, R-CA)—Gaining Responsibility on the Water Act of 2017 and sending a letter to the author and Orange County delegation letting them know we're in support at the March 15, 2017 Board meeting. Directors Barbre, Osborne and Tamaribuchi all voted in favor.

INFORMATION ITEMS

EDUCATION REPORT

Ms. Loewen gave a brief report on March and noted that she updates it monthly.

UPDATE ON POTENTIAL SAN JUAN CAPISTRANO UTILITIES CONSOLIDATION

UPDATE ON WATER POLICY DINNER

UPDATE ON 2017 OC WATER SUMMIT

PUBLIC AFFAIRS ACTIVITIES REPORT

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

The reports were received and filed.

OTHER ITEMS

REVIEW ISSUES RELATED TO LEGISLATION, OUTREACH, PUBLIC INFORMATION ISSUES, AND MET

Director Tamaribuchi reported on our efforts with the Environmental community. He stated that the environmental community is showing an increasing interest in working with the water community. He stated that our hope is that once we get the Trump administration's support, the environmental community will realize that the CA Water Fix is environmentally beneficial and useful for long term restoration of the Delta. Also that the Water Community is just as interested in restoring fisheries as the environmental community. Director Tamaribuchi also stated that there may be another science based trip to the Delta in May for additional environmental leaders.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 10:20 a.m.

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

Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE

March 20, 2017 - 8:30 a.m. to 10:10 a.m.

MWDOC Conference Room 101

Committee:

Director Sat Tamaribuchi, Chairman
Director Larry Dick
Director Megan Yoo Schneider

Staff:

Robert Hunter, Karl Seckel, Heather Baez,
Jonathan Volzke, Katie Davanaugh,
Tiffany Baca, Harvey De La Torre,
Bryce Roberto, Melissa Baum-Haley,
Damon Micalizzi, Laura Loewen

Also Present:

Wayne Osborne, MWDOC Director
Larry McKenney, MWDOC MET Director
Linda Ackerman, MWDOC MET Director
Dick Ackerman, consultant
John Lewis, Lewis Consulting
Jim Leach, Santa Margarita Water District
Tony Solorzano, Discovery Cube
Syrus Devers, BBK
Stacy Taylor, Mesa Water

Chair Tamaribuchi called the meeting to order at 8:30 a.m.

PUBLIC PARTICIPATION

No items were presented.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

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

No items were presented.

Mr. Hunter noted that Form 700's are due to the Board Secretary at the end of March as the filing deadline is April 1st.

DISCUSSION ITEMS

LEGISLATIVE ACTIVITIES

a. Federal Legislative Report (Barker)

It was noted that the situation at Oroville Dam garnered quite a bit attention due to the significant flood risk due to recent heavy rains. The Committee reviewed the Barker report, with Director Barbre noting success of the recent DC legislative luncheon.

b. State Legislative Report (BBK)

Syrus Devers noted that there are nearly twice as many bills currently on the matrix report as there were a year ago and that the Oroville Dam crisis has been consuming much of the administration's resources. The matrix is a pre-cursor to next month's activities with Mr. Devers noting that the Water Conservation bill package includes 2 spot bills (AB 968 (Rubio) and AB 1654 (Cooper) that were summarized in the BBK staff report. Other bills of interest that were summarized include SCA 4/SB 231, AB 474, AB 574 and AB 869.

c. County Legislative Report (Lewis)

Mr. Lewis' report was received and filed with limited discussion of earthquakes and droughts and the impact that an earthquake may have during heavy rains, such as the one the state has seen over the past several weeks.

d. Legal and Regulatory Report (Ackerman)

Mr. Ackerman noted the Hillsboro (tiered rates) case is not anticipated to have any new activity in the next 6-12 months. With regard the public works coalition, no new measures were proposed with regard to streamlining or improving the CEQA process. Mr. Ackerman also noted interest in the Greenland Meltdown which was summarized in his report.

e. MWDOC Legislative Matrix

f. Metropolitan Legislative Matrix

The legislative matrixes were received and filed without discussion.

UPDATE ON REQUEST FOR MWDOC TO CONVENE A WORKING GROUP TO OBTAIN FEDERAL FUNDING

Mr. Hunter reported that this item will be included in the budget discussion process. The item was discussed recently at a Santa Margarita Water District board meeting, and staff also recently conducted a survey of member agencies to determine interest. Along with the survey there was a discussion among the managers on whether it would be prudent for MWDOC to hire additional staff to assist with grant funding opportunities for local and regional infrastructure projects and/or hire an outside firm. It was noted that member agencies are currently not in support of MWDOC hiring additional staff to spearhead a county-wide effort to seek federal funding, as many of the agencies are working independently with their own grant specialists to secure funding for their own projects specific to their districts' needs.

There was discussion on whether these services may be offered on a core or choice basis. Discussions will continue during the budget process as well as member agency manager's

meeting(s) and it was suggested that Mr. Barker may be able to identify specific projects that MWDOC and/or member agencies should focus on, on a regional level. However, it was also discussed that the local agencies are in a better position to review funding options relative to their projects. The Committee also requested that Mr. Barker participate in PAL meetings via telephone conference on a quarterly basis.

UPDATE ON THE CALIFORNIA COUNCIL FOR ENVIRONMENTAL AND ECONOMIC BALANCE (CCEEB) AND THE ASSOCIATION OF METROPOLITAN WATER AGENCIES (AMWA) MEMBERSHIP

Mr. Hunter noted that CCEEB is a California organization that focuses on making economic-environmental balance a reality in California and works on a variety of projects such as the California Water Fix and CA EcoRestore programs, both of significant importance. AMWA is a Washington, DC organization that focuses on national legislative and regulatory policy and development. Sample reports from both agencies were included in the staff report. Both agencies provide valuable service to MWDOC and its agencies. The cost for both memberships is approximately \$45,000 annually for membership. It was noted that Mr. Hunter currently serves on the Board of AMWA.

ACTION ITEMS

H.R. 1269 (LAMALFA, R-CA) – SACRAMENTO VALLEY WATER STORAGE AND RESTORATION ACT

Upon MOTION by Director Dick, seconded by Director Yoo Schneider, and carried (3-0), the Committee recommended approval H.R. 1269 (LAMALFA, R-CA) – Sacramento Valley Water Storage and Restoration Act at the April 5, 2017 Workshop Board meeting. Directors Dick, Yoo-Schneider and Tamaribuchi all voted in favor. This item will be presented at the April 5, 2017 Workshop Board meeting.

INFORMATION ITEMS

LITTLE HOOVER COMMISSION HEARING ON SPECIAL DISTRICTS

BOY SCOUT MERIT BADGE SPONSORSHIP

EDUCATION REPORT

- a. Elementary**
- b. High School**

Director Tamaribuchi noted that he recently attended a school program with MWDOC and Inside the Outdoors staff and El Toro Water District Director Jose Vergara. The program did a great job in informing and engaging the students on the California WaterFix. Director Vergara made very effective introductory remarks about his water background and why they might consider a career in water.

SAN JUAN CAPISTRANO UTILITIES CONSOLIDATION UPDATE

MARCH 30 WATER POLICY DINNER

**UPDATE ON WATER SUMMIT PLANNING (JUNE 16, 2017)
OC LAFCO UPDATE**

PUBLIC AFFAIRS ACTIVITIES REPORT

The informational reports were received and filed.

OTHER ITEMS

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

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
March 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, M. Goldsby,

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 April Committee meetings.

EXECUTIVE COMMITTEE PROPOSALS FOR FUTURE AGENDAS

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

a. MWDOC/OCWD Joint Planning Committee Meeting

Discussion ensued regarding MET storage in the basin, and the discussions underway with MET regarding a potential Cyclic Storage Agreement. General Manager Hunter provided an overview of the differences between the Conjunctive Use Program (CUP) and the proposed Cyclic Storage arrangement, noting that with the latter MET would store water in the basin and no payments would be made until the water is actually used. The discussion continued regarding the regional benefits of MWDOC storing water in the basin as well as various other storage options. More information will be presented at the meeting on March 22nd.

The Committee also discussed desalination, with staff advising that OCWD is considering a change to the Term Sheet with Poseidon. More information will be presented at the meeting on March 22nd.

b. Planning & Operations Committee

The Committee requested an update to the OC Flood Control is be added to the agenda.

c. Planning & Operations Committee Meeting

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

d. Workshop Board meeting

Discussion ensued regarding the upcoming presentation regarding operations and maintenance on the State Water Project, with the Committee requesting that information regarding the Lake Oroville dam and Clifton Court Forebay issues be included in the presentation.

e. Administration & Finance Committee

The Committee discussed the budget and the comments/additions made to the budget at the March A&F Committee meeting, namely, the addition of a staff position on Government Affairs (with an emphasis on federal activities). Following discussion, Directors Dick and Osborne expressed concern with adding the new position and asked that staff prepare a job description of the potential new position for discussion at the April A&F meeting.

f. Public Affairs & Legislation Committee

The Committee referenced the CSDA election for Seat C and asked that staff include the area Seat C represents in the write up.

The Committee also discussed recent activities of both members of the Board and staff with environmental groups and requested an update/report be given at the April Executive Committee meeting.

g. Executive Committee

No new items were added to the agenda.

DISCUSSION REGARDING UPCOMING ACTIVITIES OF SIGNIFICANCE

No topics were presented/discussed.

MEMBER AGENCY RELATIONS

General Manager Hunter reported that the budget would be reviewed with the Member Agency manager's later in the day.

GENERAL MANAGER'S REPORTS

No topics were presented/discussed.

REVIEW AND DISCUSS DISTRICT AND BOARD ACTIVITIES

Director Barbre requested legal counsel provide updates/overviews of litigation involving Glendale Coalition for Better Government v. City of Glendale, the California Supreme Court Decision in *City of San Jose v. Superior Court*, wherein electronic communications held on private, nongovernmental accounts of public agency officials could be subject to disclosure under the Public Records Act, as well as certain litigation matters involving MET. He also asked that the General Manager provide an update on the RFP for legal services. Discussion then ensued regarding the Water Policy Dinner and a possible token of appreciation to give to Legal Counsel Behrens at this event.

Director Tamaribuchi requested legal counsel provide an update/overview of the MET/SDCWA litigation at the next Board meeting.

General Manager Hunter then reported that Keith Lyon would be retiring effective April 30th and that a luncheon would be held after the Manager's meeting on April 20th.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 9:55 a.m.

MEETING REPORT
JOINT PLANNING COMMITTEE WITH BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY and
ORANGE COUNTY WATER DISTRICT
March 22, 2017 - 8:30 a.m. – 9:40 a.m.
MWDOC Conference Room 101

MWDOC DIRECTORS

Brett R. Barbre
Larry Dick
Joan C. Finnegan (absent)
Wayne Osborne
Megan Yoo Schneider (absent)
Jeffery M. Thomas (absent)
Satoru Tamaribuchi

OCWD DIRECTORS

Shawn Dewane (absent)
Phil Anthony
Roger Yoh (absent)
Dina Nguyen (absent)
Denis Bilodeau (absent)
Vicente Sarmiento (absent)
James Vanderbilt (absent)
Bruce Whitaker
Steve Sheldon (absent)
Cathy Green

MWDOC STAFF

Rob Hunter
Karl Seckel
Maribeth Goldsby
Harvey De La Torre
Kevin Hostert
Melissa Baum-Haley
Jonathan Volzke
Damon Micalizzi
Charles Busslinger

OCWD STAFF

Mike Markus
John Kennedy
Adam Hutchinson

ALSO PRESENT

Larry McKenney
Peer Swan
Paul Weghorst
Jim Atkinson
Al Nederhood
Scott Maloni
John Earl
Debbie Cook

MWDOC MET Director
Irvine Ranch Water District
Irvine Ranch Water District
Mesa Water
Yorba Linda Water District
Poseidon

MWDOC Director Osborne chaired the meeting.

PUBLIC COMMENTS

No public comments were received.

MWD IMPORTED WATER SUPPLY UPDATE

MWDOC Water Resources Analyst Kevin Hostert presented the Orange County Drought Performance and Water Supply Report, which included updates on conservation efforts (cumulative water savings for the County are 21%), local weather conditions, precipitation for the year (and comparisons to prior years), historical local precipitation, regional supply conditions (snowpack, accumulated precipitation, reservoir storage), the Colorado River Basin outlook, and the Table "A" allocations (currently set at 60%).

Discussion was held regarding the outlook for 2017, with staff noting that the annual water usage is lining up with the OC Reliability Study, Lake Mead projected levels, State Water Project issues (Oroville Dam and Clifton Court), potential storage in the OC groundwater basin, and possible implications in the event of early snow melt.

The Boards received and filed the report as presented.

LOCAL OCWD WATER SUPPLY UPDATE

- **Estimated June 2017 Groundwater Basin Accumulated Overdraft**
- **Update on Purchasing Additional Imported Water-Cyclic Storage Agreement**
- **FY 2017-18 Basin Production Percentage**

OCWD Executive Director of Engineering and Water Resources John Kennedy provided an overview of OCWD's water supply, which included information regarding the OCWD Recharge System status, the current status of Prado Dam (OCWD is working to empty water behind Prado), OCWD's accumulated overdraft, and preliminary figures for fiscal year 2017-2018 (with an anticipated 75% BPP, and potential purchases 55,000-65,000 acre-feet of MET untreated full service water, with the possibility of purchasing an additional 30,000 acre-feet).

Discussion ensued regarding OCWD's potential purchases of MET water, the potential of moving from the Conjunctive Use Program (CUP) to a Cyclic Storage Agreement (negotiations are underway), the Basin Production Percentage (with President Osborne indicating it may be prudent for OCWD to lower the BPP), and the overall importance of filling the groundwater basin.

The Boards received and filed the report as presented.

IMPORTANT POLICY ISSUES TO BE CONSIDERED AT MAY 2017 MET INTEGRATED RESOURCES PLANNING WORKSHOP

MWDOC Associate General Manager reported that MET would be holding a Board workshop on May 23, 2017 to develop local supply policy principles and that to date, IRP Committee discussions have focused on potential MET roles to further encourage local

resource development, potential modifications to MET's current approaches, and ensuring reliability equality throughout the MET service area.

Mr. Kennedy noted that the MET Board may recommend changes to the Local Resources Program during this process.

The Boards received and filed the report as presented.

DESALINATION UPDATE

Mr. Kennedy advised that OCWD continues to discuss the best options for distributing Poseidon water, but no decisions have been made. It was noted that Poseidon is working with the environmental agencies and hopes to secure State Lands Commission permits by August 2017, which would then go to the Regional Board (fall 2017), and then the Coastal Commission.

Discussion was held regarding the timing for the projects once all of the environmental hurdles are approved, and whether the original Environmental Impact Report (EIR) from 2010 has become stale, requiring a new one

The Boards received and filed the report as presented.

UPDATE ON JUNE 16, 2017 ORANGE COUNTY WATER SUMMIT

OCWD General Manager Markus advised that planning for the event is going smoothly and that staff was able to secure Fritz Coleman as the emcee.

NEXT COMMITTEE MEETING

Director Osborne advised that the next meeting would be held on May 24, 2017.

OTHER

No information was presented.

ADJOURNMENT

There being no further business to come before the Committee, the meeting adjourned at 9:38 a.m.

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

WATER REVENUES

Date	From	Description	Amount
03/03/17	City of La Habra	January 2017 Water deliveries	7,827.31
03/03/17	City of Fountain Valley	January 2017 Water deliveries	13,712.14
03/03/17	City of Brea	January 2017 Water deliveries	19,587.68
03/03/17	City of Huntington Beach	January 2017 Water deliveries	630,957.03
03/03/17	City of San Clemente	January 2017 Water deliveries	320,366.83
03/07/17	City of La Palma	January 2017 Water deliveries	63,514.45
03/07/17	Serrano Water District	January 2017 Water deliveries	9,131.88
03/07/17	City of Newport Beach	January 2017 Water deliveries	443,384.41
03/07/17	City of Garden Grove	January 2017 Water deliveries	34,334.39
03/08/17	City of Westminster	January 2017 Water deliveries	42,291.76
03/10/17	City of Buena Park	January 2017 Water deliveries	216,247.44
03/10/17	Trabuco Canyon Water District	January 2017 Water deliveries	133,791.32
03/13/17	El Toro Water District	January 2017 Water deliveries	305,463.15
03/13/17	South Coast Water District	January 2017 Water deliveries	347,198.64
03/14/17	Santa Margarita Water District	January 2017 Water deliveries	865,209.23
03/14/17	City of San Juan Capistrano	January 2017 Water deliveries	294,993.93
03/14/17	City of Orange	January 2017 Water deliveries	41,799.47
03/14/17	City of Seal Beach	January 2017 Water deliveries	7,403.61
03/15/17	Laguna Beach County Water District	January 2017 Water deliveries	53,807.47
03/15/17	East Orange County Water District	January 2017 Water deliveries	57,975.70
03/15/17	Yorba Linda Water District	January 2017 Water deliveries	217,781.56
03/15/17	Moulton Niguel Water District	January 2017 Water deliveries	1,115,862.47
03/15/17	Irvine Ranch Water District	January 2017 Water deliveries	372,184.56
03/24/17	City of Huntington Beach	February 2017 Water deliveries	537,658.33
03/27/17	City of La Habra	February 2017 Water deliveries	7,827.31
03/31/17	Serrano Water District	February 2017 Water deliveries	9,131.88
03/31/17	City of Brea	February 2017 Water deliveries	19,391.88

TOTAL REVENUES \$ 6,188,835.83

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

MISCELLANEOUS REVENUES

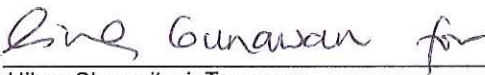
Date	From	Description	Amount
03/07/17	Eastern Municipal Water District	3/30/17 Water Policy dinner	640.00
03/10/17	Michael Baker	3/30/17 Water Policy dinner	80.00
03/16/17	Orange County Water District	3/30/17 Water Policy dinner	160.00
03/20/17	Laguna Beach County Water District	3/30/17 Water Policy dinner	640.00
03/22/17	El Toro Water District	3/30/17 Water Policy dinner	640.00
03/27/17	Susan Hinman	3/30/17 Water Policy dinner	80.00
03/31/17	4 Checks	3/30/17 Water Policy dinner	650.00
03/31/17	Paypal	3/30/17 Water Policy dinner	6,878.20
03/07/17	Santa Margarita Water District	6/14/17 OC Water Summit sponsorship	1,600.00
03/31/17	Paypal	ISDOC Registrations	507.46
03/07/17	Stan Sprague	March 2017 Retiree Health insurance	234.00
03/14/17	Katie Davanaugh	Movie tickets	51.00
03/20/17	Laura Loewen	Movie tickets	17.00
03/22/17	Judy R Karlsen	Movie tickets	170.00
03/15/17	Colonial Life	Employee premium refund	100.66
03/24/17	Metropolitan Water District	Portion of Environmental Leader's Workshop expenses	1,660.16
03/20/17	Blytheco	Refund from file migration project	277.50
03/31/17	Western Municipal Water District	Reimbursement for 20% of cost for 3/1/17 DC Briefing lunch	385.48
03/15/17	ACWA JPIA	RPA Insurance refund	47,770.52
03/13/17	City of Newport Beach	January 2017 Turf Removal rebate program	376.05
03/13/17	Moulton Niguel Water District	January 2017 Turf Removal rebate program	84,041.00
03/20/17	City of Orange	January 2017 Turf Removal rebate program	1,665.00
03/22/17	Irvine Ranch Water District	January 2017 Turf Removal rebate program	23,531.63
03/27/17	El Toro Water District	January 2017 Turf Removal rebate program	575.00
03/10/17	Trabuco Canyon Water District	January 2017 So Cal Watersmart Residential rebate program	300.00
03/16/17	Irvine Ranch Water District	January 2017 So Cal Watersmart Residential rebate program	12,391.20
03/20/17	Laguna Beach County Water District	January 2017 So Cal Watersmart Residential rebate program	15.00
03/20/17	Moulton Niguel Water District	January 2017 So Cal Watersmart Residential rebate program	6,000.00
03/22/17	El Toro Water District	January 2017 So Cal Watersmart Residential rebate program	50.00
03/03/17	Orange County Water District	August 2016 SAWPA Drought Response program	2,247.70
03/03/17	City of Huntington Beach	FY 15-16 O & M Costs of the EOCF #2	12,608.63
03/24/17	Irvine Ranch Water District	FY 15-16 O & M Costs of the EOCF #2	96,884.09
03/07/17	Serrano Water District	FY 16-17 County Wide Communication choice program	2,139.55

TOTAL MISCELLANEOUS REVENUES **\$ 305,366.83**

TOTAL REVENUES \$ 6,494,202.66



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

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

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
Core Expenditures:		
1131	Richard C. Ackerman March 2017 Consulting for legal & regulatory matters	2,150.00
	*** Total ***	2,150.00
M005-2017PROP	ACWA Joint Powers April 2017 - March 2018 MWDOC annual property insurance	619.00
	*** Total ***	619.00
41036	Aleshire & Wynder LLP February 2017 Legal services	180.00
	*** Total ***	180.00
517030904	ALTA FoodCraft 3/7/17 Coffee & tea supplies	361.74
	*** Total ***	361.74
170323MWD	American Society of Civil Engineers Job posting for Water Resource Analyst position	150.00
	*** Total ***	150.00
16114	Awards & Trophies Co., Inc. Name plate for F. Soto	15.16
16163	Glass etching on 3/30/17 Water Policy dinner speaker's gift	30.00
	*** Total ***	45.16
55401-FEB17	Best Best and Krieger LLP February 2017 Legal services	14,035.58
791762	February 2017 State legislative advocacy services	7,784.52
	*** Total ***	21,820.10
G1-2017-168	CA Urban Water Conservation Council 2017 Membership renewal 50% partial payment	4,003.00
	*** Total ***	4,003.00
90011327	CDM Smith 1/15/17-2/18/17 Engineering services for O.C. Water Reliability Investigation	2,907.50
	*** Total ***	2,907.50
GZZ2926	CDW Government 5 Symantec anti-virus 3 year licenses	360.00
HFK7855	Black Box AlertWerks ServSensor environment monitoring device for server cabinet	405.05
	*** Total ***	765.05
APR-JUN17	Hunter T. Cook February-April 2017 Retiree medical premium	1,505.52
	*** Total ***	1,505.52

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

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Finley & Cook PLLC</i>	
SI0020937	5/22/17-5/21/18 Serenic annual maintenance & enhancement for Navision software	17,095.90
	*** Total ***	17,095.90
	<i>Frank Pitman Designs</i>	
3.10.2017	Professional design assistance for hallway repair	900.00
	*** Total ***	900.00
	<i>Government Finance Officers Assoc.</i>	
0122001-2017	April 2017-March 2018 Membership renewal for H. Chumpitazi	160.00
	*** Total ***	160.00
	<i>Independent Special District of Orange County</i>	
ISDOC033017	March 2017 PayPal receipts for 3/30/17 meeting	507.46
ISDOC012617A	3/30/17 Meeting registration for Directors Barbare, Dick, Finnegan, Osborne and D. Micalizzi	85.00
	*** Total ***	592.46
	<i>James C. Barker, P.C.</i>	
105-0317	March 2017 Federal legislative advocacy services	8,000.00
	*** Total ***	8,000.00
	<i>Karen's Detail Custom Frames</i>	
2901	Custom framing for resolution for R. Behrens	120.68
	*** Total ***	120.68
	<i>Lewis Consulting Group, LLC</i>	
2017-115	March 2017 Consulting services	3,062.50
	*** Total ***	3,062.50
	<i>Norco Delivery Services</i>	
708691	3/3/17 Delivery charges for Board packets	139.92
708993	3/31/17 Delivery charges for Board packets	169.36
	*** Total ***	309.28
	<i>Office Solutions</i>	
I-01122868	3/6/17 Office supplies	6.47
I-01126275	3/9/17 Office supplies	227.13
I-01135582	3/24/17 Office supplies	502.52
I-01137504	Ceres work chair for M. Conway	654.43
	*** Total ***	1,390.55
	<i>Orange County Water District</i>	
17269	February 2017 50% share of WACO expense	227.96
17288	February 2017 Postage, shared office & maintenance expense	9,754.74
17365	March 2017 50% share of WACO expense	573.21
	*** Total ***	10,555.91

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

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Ricoh USA, Inc.</i>	
1068788315	Ricoh Fiery Compose software license to assist with Board packet preparation	727.31
	*** Total ***	727.31
	<i>South Orange County Economic Coalition</i>	
10	2017 Annual membership renewal	1,500.00
	*** Total ***	1,500.00
	<i>Staffing Network, LLC</i>	
95696697	3/6/17-3/12/17 Temporary help for scanning records and front desk coverage	1,060.80
95697203	3/13/17-3/19/17 Temporary help for scanning records and front desk coverage	1,060.80
95697521	3/20/17-3/26/17 Temporary help for scanning records and front desk coverage	1,060.80
95698100	3/26/17-4/2/17 Temporary help for scanning records and front desk coverage	1,060.80
	*** Total ***	4,243.20
	<i>Steven Enterprises, Inc.</i>	
0372755-IN	Paper for plotter	113.51
0372847-IN	2 Ink cartridges for plotter	287.39
	*** Total ***	400.90
	<i>U. S. HealthWorks Medical Group</i>	
3076094-CA	2/23/17 Pre-employment exam	173.00
	*** Total ***	173.00
	<i>Union Bank, N.A.</i>	
1027855	December 2016- February 2017 Custodial bank fees	625.00
	*** Total ***	625.00
	<i>USAFact, Inc.</i>	
7021806	2/10/17 Pre-employment background check	69.56
7023091	2/22/17 Pre-employment background check	58.42
	*** Total ***	127.98
	<i>Water Systems Optimization, Inc.</i>	
1132	February 2017 Water Loss Control program	730.00
	*** Total ***	730.00
	<i>Pauline D. Wennerstrom</i>	
APR-JUN17	April-June 2017 Retiree medical premium	318.00
	*** Total ***	318.00
	<i>Total Core Expenditures</i>	<hr/> 85,539.74

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

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
Choice Expenditures:		
	<i>Discovery Science Center</i>	
DSOC/IV/000511	February 2017 for School program	35,513.20
	*** Total ***	35,513.20
	<i>Enterprise Information Sys Inc</i>	
MWDOC-22001	2017 Annual web hosting and January-June 2017 production support for California Sprinkler Adjustment Notification System program	8,400.00
	*** Total ***	8,400.00
	<i>Lithocraft Company</i>	
61834	123,950 Bill inserts for Water Use Efficiency programs	4,310.00
61835	2,000 Flyers printed for OC Coastkeepers to promote Water Use Efficiency rebate programs	879.24
	*** Total ***	5,189.24
	<i>Orange County Water District</i>	
17288	February 2017 Postage for Water Use Efficiency rebate programs	277.37
	*** Total ***	277.37
	<i>Top Hat Productions</i>	
92627	3/2/17 Lunch for Water Use Efficiency Workgroup meeting	453.95
92671	3/14/17 Lunch for Water Loss Technical Assistance program meeting	149.50
92680	3/16/17 Breakfast for Water Loss Technical Assistance program meeting	398.41
92676	3/15/17 Breakfast for Water Loss Technical Assistance program meeting	238.40
	*** Total ***	1,240.26
	<i>Total Choice Expenditures</i>	<hr/> 50,620.07
Other Funds Expenditures:		
	<i>ACWA Joint Powers</i>	
M005-2017PROP	April 2017-March 2018 Doheny Ocean Desal annual property insurance	350.00
	*** Total ***	350.00
	<i>AquaFicient Consulting</i>	
04-004	October 2016 Landscape Performance Certificate Program funded by IRWD	1,800.00
04-005	November 2016 Landscape Performance Certificate Program funded by IRWD	1,800.00
04-006	December 2016 Landscape Performance Certificate Program funded by IRWD	1,800.00
	*** Total ***	5,400.00
	<i>DeLorenzo International</i>	
20982	March 2017 Landscape Design Assistance program	26,550.00
	*** Total ***	26,550.00

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

<i>Invoice#</i>	<i>Vendor / Description</i>	<i>Amount to Pay</i>
	<i>Geoscience Support Services</i>	
15025-16-10	February 2017 Doheny Ocean Desal Slant Well decommissioning	13,669.51
	*** Total ***	13,669.51
	<i>Mission RCD</i>	
2197	February 2017 Field verifications for Water Use Efficiency rebate programs	17,811.39
2214	March 2017 Field verifications for Water Use Efficiency rebate programs	19,913.45
	*** Total ***	37,724.84
	<i>City of San Juan Capistrano</i>	
030617	Refund FY 15-16 deposit balance for Water Loss Control program technical assistance	17,344.50
	*** Total ***	17,344.50
	<i>Water Systems Optimization, Inc.</i>	
1132	February 2017 Water Loss Control program	16,547.80
	*** Total ***	16,547.80
	<i>Total Other Funds Expenditures</i>	<hr/> 117,586.65
	<i>Total Expenditures</i>	<hr/> <hr/> 253,746.46

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

<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
Core Disbursements:				
136567	3/9/17	SPECTB 5210-MAR17	Spectrum Business March 2017 Telephone and internet expense ***Total ***	1,274.70 1,274.70
136568	3/9/17	VERIZO 9780905918	Verizon Wireless February 2017 4G Mobile broadband unlimited service ***Total ***	114.03 114.03
136577	3/15/17	RICOHMA 5047322221	Ricoh USA, Inc. December 2016-February 2017 Reproduction costs ***Total ***	887.10 887.10
136579	3/15/17	IRONMO NNV6477	Iron Mountain March 2017 Archived document storage and withdrawal fees ***Total ***	1,243.02 1,243.02
136580	3/15/17	FLORES 022817	Ivan Flores February 2017 Business expense ***Total ***	23.54 23.54
136590	3/15/17	SPECTB 3564-MAR17	Spectrum Business March 2017 Telephone expense for 3 analog fax lines ***Total ***	106.88 106.88
136593	3/15/17	TAMARI 022817	Satoru Tamaribuchi February 2017 Business expense ***Total ***	266.74 266.74
ACH002425	3/15/17	ACKEEX 022817	Linda Ackerman February 2017 Business expense ***Total ***	74.90 74.90
ACH002428	3/15/17	BACATI 022417	Tiffany Baca January-February 2017 Business expense ***Total ***	107.70 107.70
ACH002429	3/15/17	BAEZHE 030317	Heather Baez February-March 2017 Business expense	296.65
ACH002430	3/15/17	030317A	March 2017 Business expense ***Total ***	50.40 347.05
ACH002431	3/15/17	BARBRE 022717	Brett Barbre February 2017 Business expense ***Total ***	212.93 212.93

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

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
ACH002432	3/15/17	BERGIO	Joseph Berg	
		022817	February 2017 Business expense	128.71
			***Total ***	128.71
ACH002439	3/15/17	DICKEK	Larry Dick	
		022817	February 2017 Business expense	112.38
			***Total ***	112.38
ACH002440	3/15/17	DINHPA	Patrick Dinh	
		022817	February 2017 Business expense	32.10
			***Total ***	32.10
ACH002442	3/15/17	FINNEG	Joan Finnegan	
		022817	February 2017 Business expense	99.43
			***Total ***	99.43
ACH002445	3/15/17	HOSTER	Kevin Hostert	
		030817	February-March 2017 Business expense	200.03
			***Total ***	200.03
ACH002447	3/15/17	MCKECO	Larry B. McKenney	
		022817	February 2017 Business expense	372.28
			***Total ***	372.28
ACH002448	3/15/17	LOEWEN	Laura Loewen	
		022817	February 2017 Business expense	95.28
			***Total ***	95.28
ACH002472	3/15/17	ROBERT	Bryce Roberto	
		022817	February 2017 Business expense	95.42
			***Total ***	95.42
		SCHNEI	Megan Yoo Schneider	
ACH002473	3/15/17	022817	February 2017 Business expense	336.78
ACH002474	3/15/17	030217	March 2017 Business expense	544.70
			***Total ***	881.48
ACH002476	3/15/17	THOMAS	Jeffery Thomas	
		022817	February 2017 Business expense	276.06
			***Total ***	276.06
136664	3/31/17	USBANK	U.S. Bank	
		4140/5443-FEB17	1/23/17-2/22/17 Cal Card charges	11,154.45
			***Total ***	11,154.45
			(See attached sheet for details)	

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

<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
ACH002478	3/31/17	BUSSLI	Charles Busslinger	
		022817	February 2017 Business expense	162.08
			***Total ***	162.08
ACH002479	3/31/17	MICALI	Damon Micalizzi	
		022817	February 2017 Business expense	210.55
			***Total ***	210.55
Total Core Disbursements				18,478.84

Choice Disbursements:

ACH002432	3/15/17	BERGJO	Joseph Berg	
		022817	February 2017 Business expense	9.04
			***Total ***	9.04
136664	3/31/17	USBANK	U.S. Bank	
		4140-FEB17	1/23/17-2/22/17 Cal Card charges	100.84
			***Total ***	100.84
			(See attached sheet for details)	
Total Choice Disbursements				109.88

Other Funds Disbursements:

136566	3/9/17	ATTEOC	AT&T	
		4492-FEB17	February 2017 WEROC S. EOC telephone expense	313.90
		8200-FEB17	February 2017 WEROC N. EOC telephone expense	251.48
		0532-FEB17	February 2017 WEROC N. EOC telephone expense	64.57
			***Total ***	629.95
136568	3/9/17	VERIZO	Verizon Wireless	
		9780905918	February 2017 4G Mobile broadband unlimited service	38.01
			***Total ***	38.01
136571	3/15/17	ATTUVEOC	AT&T	
		8599-MAR17	March 2017 U-verse internet service for WEROC	55.00
			N. EOC	
			***Total ***	55.00
136584	3/15/17	OCWD	Orange County Water District	
		17227	January 2017 GWRS MET credit	857,196.63
			***Total ***	857,196.63
136589	3/15/17	SCHUNK	Janine Schunk	
		022817	February 2017 Business expense	28.36
			***Total ***	28.36

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

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
ACH002432	3/15/17	BERGJO	Joseph Berg	
		022817	February 2017 Business expense	4.50
			***Total ***	4.50
ACH002450	3/15/17	MESAWA	Mesa Water	
		9113	January 2017 Credit for Local Resources program	36,091.55
			***Total ***	36,091.55
	3/16/17	TURFRP	Turf Removal Program	
136597		TR8A-R-IRWD-9078-9040	B. Lam (Re-issue)	599.99
			***Total ***	599.99
	3/28/17	TURFRP	Turf Removal Program	
136600		TR8-R-IRWD-7411-7363	A. Ronaghi	1,990.00
136601		TR10-R-O-7333-7287	T. Buzzard	586.00
136602		TR8-R-IRWD-7479-7444	J. Chiang	6,000.00
136603		TR8A-R-IRWD-9106-9069	K. Aaron	3,442.00
136604		TR8-R-IRWD-7312-7252	G. Widly	6,000.00
136605		TR9A-R-MNT-12153-12109	M. Sappingfield	852.00
136606		TR8-R-IRWD-7546-7506	P. Julian	1,480.00
136607		TR8-R-IRWD-7549-7509	R. Ianniello	1,566.00
136608		TR8A-R-IRWD-7830-7790	R. Kustich	3,492.00
136609		TR8A-R-IRWD-7883-7850	M. Low	390.00
136610		TR9A-R-MNT-12142-12099	D. Schnee	2,004.00
136611		TR9A-R-MNT-12154-12110	N. Fujii	3,276.00
136612		TR8A-R-IRWD-12173-12127	L. Smith	908.00
136613		TR10-R-O-11747-701	H. Pinedo	1,000.00
136614		TR8A-R-IRWD-4789-4708	L. Botts	638.00
136615		TR8-R-IRWD-7414-7365	J. McCoy	1,428.00
136616		TR9A-R-MNT-7956-7920	A. Coupal	500.00
136617		TR8A-R-IRWD-7771-7725	T. Davies	500.00
136618		TR10-R-SOCO-4988-4916	H. Knotts	1,000.00
136619		TR10-R-SOCO-4918-4841	R. Henry	560.00
136620		TR8-R-IRWD-5015-4940	J. Wu	3,250.00
136621		TR8-R-IRWD-5175-5105	M. Campbell	1,198.00
136622		TR8A-R-MNT-5155-5084	R. Miller	1,448.00
136623		TR8-R-ETWD-6269-6197	R. Javan	544.00
136624		TR8-R-IRWD-5250-5181	M. Adnani	474.00
136625		TR9-R-MNT-7368-7327	N. Smith	4,980.00
136626		TR9A-R-MNT-11132-11089	V. Nguyen	844.00
136627		TR8-R-IRWD-7535-7495	P. Mariani	636.00
136628		TR8-R-IRWD-7725-7682	F. Akhavain	886.00
136629		TR10-R-SOCO-7807-7769	C. Green	750.00
136630		TR8A-R-IRWD-8081-8047	K. Lee	524.00
136631		TR8A-R-IRWD-9128-9085	K. Donohue	892.00
136632		TR8-R-IRWD-8028-7990	M. Hsu-Moon	542.00
136633		TR9A-R-MNT-8031-7993	A. Imada	1,226.00
136634		TR8A-R-IRWD-8040-8003	L. Boyd	2,498.00

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

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
136635		TR8A-R-IRWD-8042-8005	M. Salerno	1,796.00
136636		TR9A-R-MNT-8073-8038	B. Avila	310.00
136637		TR8A-R-IRWD-8103-8067	L. Coss	1,788.00
136638		TR8A-R-ETWD-8105-8069	W. Liang	1,810.00
136639		TR9A-R-MNT-9069-9032	F. Naguib	1,270.00
136640		TR8A-R-IRWD-9063-9027	C. Tryon	980.00
136641		TR8A-R-IRWD-9117-9079	H. Truong	1,000.00
136642		TR8A-C-IRWD-5222-9036	Fairbanks Business Park Association (Irvine)	25,000.00
136643		TR9A-R-MNT-12143-12100	R. Chrsitie	4,618.00
136644		TR8A-R-IRWD-12145-12102	K. Hirata	2,130.00
136645		TR9A-R-MNT-11136-11094	A. Huerta	1,364.00
136646		TR9A-R-MNT-12180-12133	M. Mahan	2,594.00
136647		TR9A-R-MNT-12228-12184	T. Siegel	526.00
136648		TR8A-R-IRWD-12185-12139	H. Lee	1,246.00
136649		TR8A-R-IRWD-12227-12183	N. DiBacco	1,316.00
136650		TR8A-R-IRWD-12258-12212	C. Ballard	1,158.00
136651		TR8A-R-IRWD-12230-12186	L. Henderson	1,190.00
136652		TR10-R-MNT-12267-12220	D. Burrows	470.00
136653		TR10-R-MNT-12272-12224	P. Franzetta	1,520.00
136654		TR10-R-MNT-13299-13254	N. Stavros	504.00
			***Total ***	110,894.00
136656	3/31/17	ATTEOC	AT&T	
		4492-MAR17	March 2017 WEROC S. EOC telephone expense	253.08
		8200-MAR17	March 2017 WEROC N. EOC telephone expense	188.41
		0532-MAR17	March 2017 WEROC N. EOC telephone expense	64.59
			***Total ***	506.08
136658	3/31/17	CATALI	Catalina Island Conservancy	
		0013972	March 2017 WEROC radio repeater site lease	1,718.29
			***Total ***	1,718.29
136661	3/31/17	SANTI1	Santiago Aqueduct Commission	
		JAN2017	January 2017 SAC Pipeline operation surcharge	4,366.80
			***Total ***	4,366.80
136662	3/31/17	SCHUNK	Janine Schunk	
		030917	February 2017 Business expense	56.00
			***Total ***	56.00
136664	3/31/17	USBANK	U.S. Bank	
		4140-FEB17	1/23/17-2/22/17 Cal Card charges	82.47
			***Total ***	82.47
			(See attached sheet for details)	

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

<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
	3/31/17	HUBBAR	Kelly Hubbard	
ACH002480		013117	January 2017 Business expense	171.86
ACH002481		022817	February 2017 Business expense	93.52
			Total	265.38
ACH002486	3/31/17	SANTAM	Santa Margarita Water District	
		JAN2017	January 2017 SCP Pipeline operation surcharge	19,292.63
			Total	19,292.63
WIRE-170330	3/30/17	METWAT	Metropolitan Water District	
		8932	January 2017 Water deliveries	4,698,081.24
			Total	4,698,081.24
Total Other Funds Disbursements				<u>5,729,906.88</u>
Total Disbursements				<u><u>5,748,495.60</u></u>



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

Cal Card Statement Detail
Statement Date: February 22, 2017
Payment Date: March 31, 2017

Date	Description	Amount
<u>K. Seckel Card</u>		
01/23/17	Corporate head photo for Director Schneider	\$ 195.00
01/23/17	Lunch for MET Directors' meeting	190.94
01/24/17	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 8-10, 2017 - Registration for M. Baum-Haley	475.00
01/25/17	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 8-10, 2017 - Accommodations for Director Thomas	178.90
01/25/17	5 Year renewal for MWDOC.com domain name	194.95
01/25/17	Multi-State Salinity Coalition Annual Salinity summit in Las Vegas, NV from Feb.28 - Mar. 3, 2017 - Airfare for C. Busslinger	177.88
01/25/17	Multi-State Salinity Coalition Annual Salinity summit in Las Vegas, NV from Feb.28 - Mar.3, 2017 - Accommodations deposit for C. Busslinger	73.13
01/29/17	Roku Premiere streaming media player for WEROC office	82.47
01/30/17	UPS delivery charges for Board packets on Jan. 27, 2017	7.26
01/31/17	State Water Resource Control Board Public hearing in Sacramento, CA on Feb. 8, 2017 - Airfare for J. Berg	417.88
01/31/17	State Water Resource Control Board Public hearing in Sacramento, CA on Feb. 8, 2017 - Airfare for H. Baez	417.88
02/01/17	WSO: Water Transmission and Distribution and Wastewater Engineering: Treatment and Resource Recovery books	387.34
02/01/17	ACWA Legislative symposium in Sacramento, CA on Mar. 8, 2017 - Registration for Director Tamaribuchi	245.00
02/01/17	Legislative activities in Sacramento, CA on Feb. 10, 2017 - Airfare for H. Baez	454.38
02/01/17	ACWA Legislative symposium in Sacramento, CA on Mar. 8, 2017 - Airfare for Director Tamaribuchi	200.90
02/03/17	9/26/16 Corner Bakery duplicate charge disputed and refunded	(261.71)
02/03/17	4 Tripp Lite Basic power distribution units for new server cabinets	270.60
02/06/17	Bissell spot cleaner to clean Ricki Raindrop costume	107.74
02/06/17	UPS delivery charges for Board packets on Jan. 27, 2017	64.10
02/07/17	Urban Water Institute Spring Water conference in Palm Springs, CA from Feb. 8-9, 2017 - Accommodations for R. Hunter	235.04
02/07/17	Legislative activities in Washington, DC from Apr. 19-21, 2017 - Airfare for Director Barbre	495.20 ¹
02/07/17	Legislative activities in Washington, DC from Nov. 16-19, 2016 - Refund accommodations for Director Barbre, hotel charged twice	(520.98)

Cal Card Statement Detail
Statement Date: February 22, 2017
Payment Date: March 31, 2017

Date	Description	Amount
02/09/17	ACWA DC 2017 conference in Washington, DC from Feb. 28-Mar. 2, 2017 - Airfare for Director Tamaribuchi	879.60
02/09/17	Legislative activities in Washington, DC from Feb. 28-Mar. 2, 2017 - Airfare for Director Thomas	749.92
02/10/17	Lunch for Boy Scout Merit Badge clinic on Feb. 11, 2017	446.00
02/10/17	California Society of Municipal Finance Officers meeting in Orange, CA on Mar. 2, 2017 - Registration H. Chumpitazi	30.00
02/10/17	Food for Staff development meeting	29.98
02/10/17	Public Relations Society of America Western District conference in Riverside, CA from Mar. 2-3, 2017 - Registration for J. Volzke	325.00
02/10/17	California Environmental Dialogue meeting in San Francisco, CA on Feb. 16, 2017 - Airfare for J. Berg	447.88
02/10/17	California Environmental Dialogue meeting in San Francisco, CA on Feb. 16, 2017 - Airfare for R. Hunter	447.88
02/11/17	Desk lamp	47.80
02/11/17	Facebook posts for Water Use Efficiency Turf Removal and Spray to Drip rebate programs	50.47
02/13/17	UPS delivery charges for Board packets on Feb. 10, 2017	6.12
02/13/17	Canon professional camcorder with protection plan and case	1,907.99 ^[2]
02/15/17	Facebook posts for Water Use Efficiency Turf Removal and Spray to Drip rebate programs	50.37
02/16/17	5 Computer cables	126.64
02/16/17	Lunch for Managers' meeting	437.87
02/16/17	7 Printer cartridges	318.29
02/17/17	Legislative activities in Washington, DC from Jan. 11-13, 2017 - Refunded accommodations for H. Baez, room snacks billed in error	(211.60)
02/18/17	Camcorder case	64.64
02/20/17	UPS delivery charges for Board packets on Feb. 10, 2017	62.47
Total		<u>10,306.22</u>

^[1] Director Barbre to reimburse MWDOC \$200.00

^[2] Camcorder case returned

Cal Card Statement Detail
Statement Date: February 22, 2017
Payment Date: March 31, 2017

Date	Description	Amount
<u>R. Hunter Card</u>		
1/24/16-2/22/17	Meals for R. Hunter's meetings	\$ 364.31
01/25/17	MWDOC Special Board meeting in Costa Mesa, CA on Jan. 28, 2017 - Balance due for meeting	319.85
02/09/17	Urban Water Institute Spring Water conference in Palm Springs, CA on Feb. 8, 2017 - Meal for Director Dick, Director Tamaribuchi, R. Hunter & M. Baum-Haley	273.38
02/10/17	Urban Water Institute Spring Water conference in Palm Springs, CA on Feb. 9, 2017 - Parking for R. Hunter	18.00
02/16/17	California Environmental Dialogue meeting in San Francisco, CA on Feb. 16, 2017 - Transportation for R. Hunter & J. Berg	36.00
02/16/17	California Environmental Dialogue meeting in San Francisco, CA on Feb. 16, 2017 - Parking for R. Hunter	20.00
		1,031.54
Total		

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

<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
Core Disbursements:				
136592	3/15/17	STAFFI 95695304	Staffing Network, LLC 2/20/17-2/26/17 Temporary help for scanning records and front desk coverage ***Total ***	848.64 848.64
136596	3/16/17	FRANKP 3.10.2017	Frank Pitman Designs, Inc. Carpet and base cove for hallway repair work ***Total ***	2,891.08 2,891.08
136598	3/23/17	METOTH 020217	Metropolitan Water District OC-79 Electrical modifications project for Moulton Niguel Water District ***Total ***	6,800.00 6,800.00
136599	3/23/17	PDCINTE 031317	PDC Integrators Services to install television cable to 3 offices ***Total ***	586.17 586.17
136657	3/31/17	AYALAS 031417	Sam Ayala March 2017 Atrium landscape maintenance ***Total ***	95.00 95.00
136663	3/31/17	STAFFI 95696034	Staffing Network, LLC 2/27/17-3/5/17 Temporary help for scanning records and front desk coverage ***Total ***	1,060.80 1,060.80
Total Core Disbursements				12,281.69

Choice Disbursements:

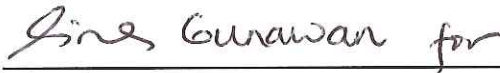
Total Choice Disbursements

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

<i>Check #</i>	<i>Date</i>	<i>Vendor # Invoice/CM #</i>	<i>Name / Description</i>	<i>Net Amount</i>
Other Funds Disbursements:				
136660	3/31/17	MEGAMA 8455	Mega Maids Cleaning Service	
			February 2017 Cleaning services for WEROC S. EOC	85.00
			***Total ***	85.00
			Total Other Funds Disbursements	<u>85.00</u>
			Total Disbursements	<u><u>12,366.69</u></u>



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

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



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

February 28, 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.com

Wayne S. Osborne
President

Brett R. Barbre
Vice President

Larry D. Dick
Director

Joan C. Finnegan
Director

Megan Yoo Schneider
Director

Sat Tamaribuchi
Director

Jeffery M. Thomas
Director

Robert J. Hunter
General Manager

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	22.44%
Grant & Project Cash Flow	1,500,000	12.39%
Election Expense	475,000	3.92%
Building Repair	350,407	2.90%
OPEB	209,006	1.73%
Total Designated Reserves	5,250,043	43.38%
General Fund	5,836,515	48.22%
Water Fund	1,125,209	9.30%
Conservation Fund	(31,762)	(0.26%)
Desalination Feasibility Study Fund	(193,201)	(1.60%)
WEROC Fund	196,993	1.63%
WEROC Fuel Trailers	(109,024)	(0.90%)
Trustee Activities	28,047	0.23%
Total	\$12,102,820	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	1.43%	\$172,779	\$172,779
Short-term investment			
• LAIF	4.65%	\$563,258	\$563,258
• OCIP	69.11%	8,364,193	8,364,193
Long-term investment			
• Corporate Bond	6.22%	752,590	753,988
• Certificates of Deposit	18.59%	2,250,000	2,266,942
Total	100.00%	\$12,102,820	\$12,121,160

The average number of days to maturity/call as of February 28, 2017 equaled 172 and the average yield to maturity is 1.116%. During the month, the District's average daily balance was \$18,038,256.11. 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 February 2017.

The \$18,340 difference between the book value and the market value on February 28, 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 Manager

Hilary 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 February 28, 2017

2/28/2017	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Negotiable Certificate Of Deposit	2,250,000.00	2,266,942.50	2,250,000.00	18.86	525	1.726
Corporate Bond	750,000.00	753,987.50	752,589.98	6.29	1,145	2.238
Local Agency Investment Funds	563,257.38	563,257.38	563,257.38	4.72	1	0.777
Orange County Investment Pool	8,364,193.36	8,364,193.36	8,364,193.36	70.13	1	0.874
Total Investments	11,927,450.74	11,948,380.74	11,930,040.72	100.00	172	1.116
Cash						
Cash	172,778.94	172,778.94	172,778.94		1	0.00
Total Cash and Investments	12,100,229.68	12,121,159.68	12,102,819.66		172	1.116

Total Earnings	Month Ending February	Fiscal Year to Date
Current Year	13,587.48	132,692.78
Average Daily Balance	18,038,256.11	
Effective Rate of Return	1.116%	

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

4-3-17


Hilary Chumpitazi, Treasurer

Date

3/31/17

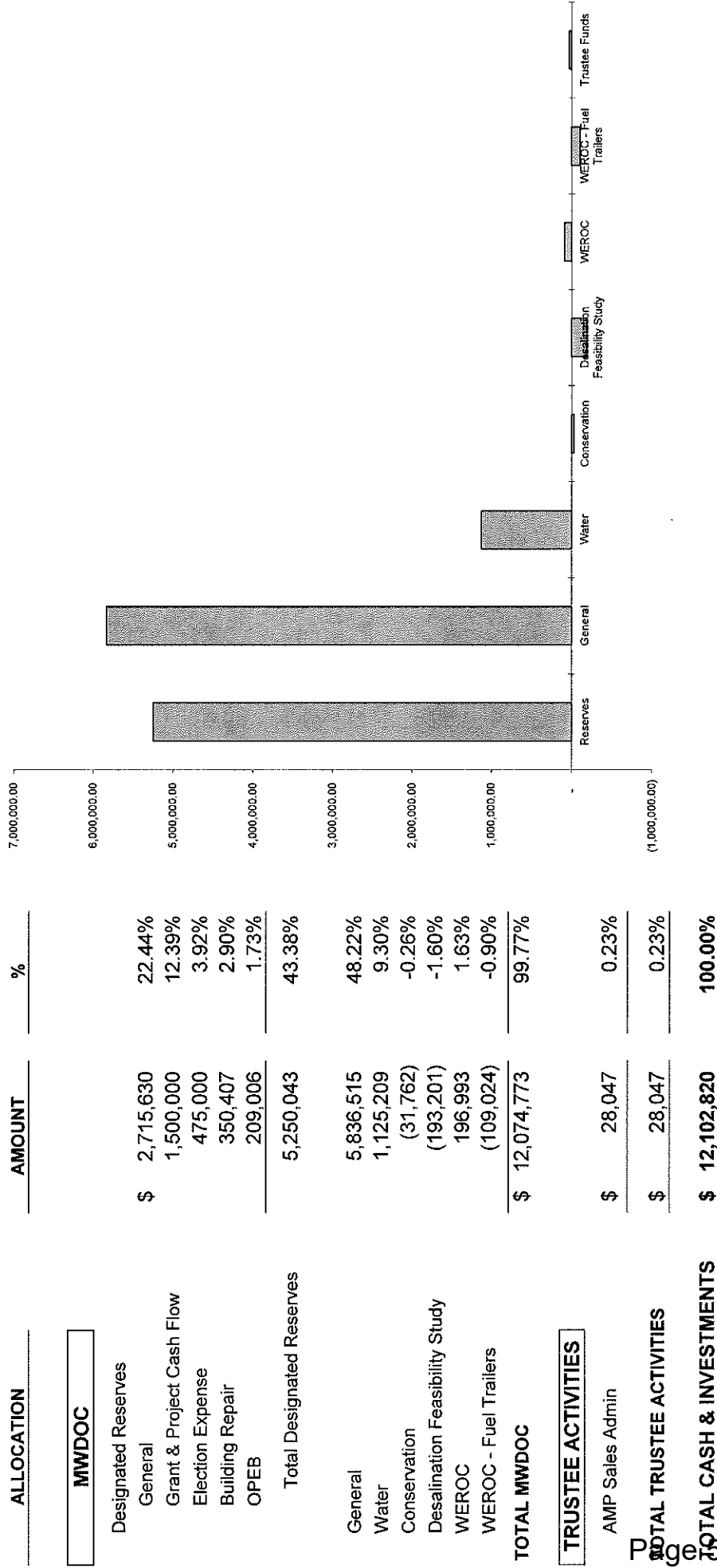
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Long-Term Portfolio Details - Investments
February 28, 2017

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	250,475.00	250,000.00	1.150	1.150	146	7/24/2017
American Express Bank	02587CEA4	7/29/2015	250,000.00	251,185.00	250,000.00	1.450	1.450	335	1/29/2018
Barclays Bank	06740KJP3	9/24/2015	250,000.00	253,335.00	250,000.00	1.900	1.900	937	9/23/2019
Capital One Bank	140420TY6	8/5/2015	250,000.00	251,442.50	250,000.00	1.700	1.700	524	8/6/2018
Capital One Natl Assn	14042E6C9	9/2/2015	250,000.00	253,637.50	250,000.00	1.950	1.950	917	9/3/2019
Discover Bank	2546712Y5	7/23/2014	250,000.00	251,350.00	250,000.00	1.600	1.600	510	7/23/2018
Goldman Sachs Bank	36163FJC8	7/25/2014	250,000.00	250,477.50	250,000.00	1.200	1.200	147	7/25/2017
HSBC Bank	40434AK65	1/21/2016	250,000.00	251,622.50	250,000.00	1.550	2.534	327	1/21/2021
Synchrony Bank	87164XBY1	7/25/2014	250,000.00	253,437.50	250,000.00	2.050	2.050	882	7/30/2019
Sub Total			2,250,000.00	2,266,942.50	2,250,000.00	1.617	1.726	525	
Corporate Bond									
JP Morgan Chase	46825HKA7	11/2/2015	500,000.00	502,625.00	501,348.63	2.250	2.152	1,028	1/23/2020
Wells Fargo	94974BGR5	1/13/2016	250,000.00	251,362.50	251,241.35	2.550	2.409	1,378	12/7/2020
Sub Total			750,000.00	753,987.50	752,589.98	2.350	2.238	1,145	
Total Investments			3,000,000.00	3,020,930.00	3,002,589.98	1.800	1.854	680	
Total Earnings									
Current Year		Month Ending September	4,051.40	Fiscal Year To Date	35,935.96				

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Short-Term Portfolio Details - Cash and Investments
February 28, 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	563,257.38	563,257.38	563,257.38	0.777	0.777	1	N/A
Sub Total			563,257.38	563,257.38	563,257.38	0.777	0.777	1	
Orange County Investment Pool									
County of Orange LGIP	OCIP	6/29/2005	8,364,193.36	8,364,193.36	8,364,193.36	0.874	0.874	1	N/A
Sub Total			8,364,193.36	8,364,193.36	8,364,193.36	0.874	0.874	1	
Total Investments			8,927,450.74	8,927,450.74	8,927,450.74	0.868	0.868		
Cash									
Bank of America Cash	CASH0547	7/1/2011	172,278.94	172,278.94	172,278.94	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			172,778.94	172,778.94	172,778.94	0.000	0.000	1	
Total Cash and Investments			9,100,229.68	9,100,229.68	9,100,229.68	0.868	0.868	1	
Total Earnings									
Current Year		Month Ending September	9,536.08	Fiscal Year To Date	96,756.82				

Municipal Water District of Orange County Cash and Investments at February 28, 2017



MUNICIPAL WATER DIST OF ORANGE COUNTY
PARS OPEB Trust Program**Monthly Account Report for the Period**
2/1/2017 to 2/28/2017Rob Hunter
General Manager
Municipal Water Dist of Orange County
18700 Ward Street
Fountain Valley, CA 92708**Account Summary**

Source	Beginning Balance as of 2/1/2017	Contributions	Earnings	Expenses	Distributions	Transfers	Ending Balance as of 2/28/2017
OPEB	\$1,868,288.63	\$0.00	\$33,671.26	\$1,177.31	\$0.00	\$0.00	\$1,900,782.58
Totals	\$1,868,288.63	\$0.00	\$33,671.26	\$1,177.31	\$0.00	\$0.00	\$1,900,782.58

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	
1.80%	4.13%	13.90%	4.25%	6.68%	-	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

**Municipal Water District of Orange County
WATER USE EFFICIENCY PROJECTS**
Cash Flow as of 3/31/17

O:\Finance\A&F COMMISSY 16-17\CF by Vendor

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
COMBINED FINANCIAL STATEMENTS
AND
BUDGET COMPARATIVE
JULY 1, 2016 THRU FEBRUARY 28, 2017

**Municipal Water District of Orange County
Combined Balance Sheet
As of February 28, 2017**

<u>ASSETS</u>	Amount
Cash in Bank	172,778.94
Investments	11,930,040.72
Accounts Receivable	12,646,724.52
Accounts Receivable - Other	28,732.90
Accrued Interest Receivable	19,976.15
Prepays/Deposits	510,068.64
Leasehold Improvements	3,415,059.92
Furniture, Fixtures & Equipment	447,719.37
Less: Accum Depreciation	(2,657,971.81)
Net OPEB Asset	117,085.00
TOTAL ASSETS	<u>\$26,630,214.35</u>
<u>LIABILITIES AND FUND BALANCES</u>	
Liabilities	
Accounts Payable	11,817,765.79
Accounts Payable - Other	907.22
Accrued Salaries and Benefits Payable	424,239.91
Other Liabilities	714,425.46
Unearned Revenue	2,076,778.49
Total Liabilities	<u>15,034,116.87</u>
Fund Balances	
Restricted Fund Balances	
Water Fund - T2C	967,674.96
Total Restricted Fund Balances	<u>967,674.96</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	209,006.00
Total Designated Reserves	<u>5,367,128.19</u>
GENERAL FUND	2,244,103.41
WEROC	101,241.62
Total Unrestricted Fund Balances	<u>7,712,473.22</u>
Excess Revenue over Expenditures	
Operating Fund	3,180,283.35
Other Funds	(264,334.05)
Total Fund Balance	<u>11,596,097.48</u>
TOTAL LIABILITIES AND FUND BALANCES	<u>\$26,630,214.35</u>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
From July 2016 thru February 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	12,826.68	132,501.67	123,000.00	107.72%	0.00	(9,501.67)
Subtotal	12,826.68	7,312,032.42	7,302,531.00	100.13%	0.00	(9,501.42)
Choice Programs	782.00	1,288,729.70	1,494,789.00	86.21%	0.00	206,059.30
Choice Prior Year Carry Over	0.00	0.00	44,416.00	0.00%	0.00	44,416.00
Miscellaneous Income	567.72	1,746.48	3,000.00	58.22%	0.00	1,253.52
School Contracts	9,524.76	47,866.22	70,000.00	68.38%	0.00	22,133.78
Transfer-In From Reserve	0.00	0.00	535,873.00	0.00%	0.00	535,873.00
Subtotal	10,874.48	1,338,342.40	2,148,078.00	62.30%	0.00	809,735.60
TOTAL REVENUES	23,701.16	8,650,374.82	9,450,609.00	91.53%	0.00	800,234.18

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

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
<u>EXPENSES</u>						
Salaries & Wages	244,739.77	2,042,262.59	3,437,120.00	59.42%	0.00	1,394,857.41
Salaries & Wages - Grant Recovery	0.00	(11,447.26)	(31,600.00)	36.23%	0.00	(20,152.74)
Salaries & Wages - Recovery	(3,767.40)	(16,052.40)	0.00	0.00%	0.00	16,052.40
Directors' Compensation	17,536.70	138,501.85	231,937.00	59.72%	0.00	93,435.15
MWD Representation	11,314.00	81,581.81	132,535.00	61.55%	0.00	50,953.19
Employee Benefits	76,166.38	586,727.15	968,160.00	60.60%	0.00	381,432.85
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	(717.60)	(3,057.60)	0.00	0.00%	0.00	3,057.60
Director's Benefits	7,294.31	43,318.35	66,297.00	65.34%	0.00	22,978.65
Health Ins \$'s for Retirees	2,474.65	22,924.71	50,326.00	45.55%	0.00	27,401.29
Training Expense	0.00	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	1,180.14	12,351.69	0.00	0.00%	2,648.31	(15,000.00)
Personnel Expenses	356,220.95	3,299,646.81	4,977,024.00	66.30%	3,223.31	1,674,153.88
Engineering Expense	8,091.83	93,814.98	405,000.00	23.16%	70,757.14	240,427.88
Legal Expense	14,215.58	118,501.41	320,000.00	37.03%	201,498.59	0.00
Audit Expense	0.00	18,437.00	24,000.00	76.82%	0.00	5,563.00
Professional Services	103,940.35	486,414.29	1,504,497.00	32.33%	481,853.95	536,228.76
Professional Fees	126,247.76	717,167.68	2,253,497.00	31.82%	754,109.68	782,219.64
Conference-Staff	830.00	11,008.13	22,125.00	49.75%	0.00	11,116.87
Conference-Directors	245.00	7,264.00	10,725.00	67.73%	0.00	3,461.00
Travel & Accom.-Staff	2,998.79	22,628.83	71,130.00	31.81%	0.00	48,501.17
Travel & Accom.-Directors	2,377.13	11,640.82	38,250.00	30.43%	0.00	26,609.18
Travel & Conference	6,450.92	52,541.78	142,230.00	36.94%	0.00	89,688.22
Membership/Sponsorship	4,503.00	123,436.51	134,458.00	91.80%	0.00	11,021.49
CDR Support	9,992.88	29,978.64	39,972.00	75.00%	9,992.86	0.50
Dues & Memberships	14,495.88	153,415.15	174,430.00	87.95%	9,992.86	11,021.99
Business Expense	383.31	3,168.63	6,000.00	52.81%	0.00	2,831.37
Maintenance Office	9,048.44	60,239.15	123,185.00	48.90%	61,130.85	1,815.00
Building Repair & Maintenance	1,898.10	7,702.03	11,000.00	70.02%	1,555.47	1,742.50
Storage Rental & Equipment Lease	372.03	4,215.52	7,000.00	60.22%	2,784.48	0.00
Office Supplies	3,727.54	23,298.14	38,280.00	60.86%	1,167.74	13,814.12
Postage/Mail Delivery	766.12	8,509.03	11,400.00	74.64%	913.12	1,977.85
Subscriptions & Books	415.40	720.86	2,000.00	36.04%	0.00	1,279.14
Reproduction Expense	1,098.21	3,712.27	36,225.00	10.25%	6,598.07	25,914.66
Maintenance-Computers	949.51	5,391.22	10,000.00	53.91%	810.50	3,798.28
Software Purchase	554.95	23,259.99	31,300.00	74.31%	675.00	7,365.01
Software Support	1,300.78	31,056.32	46,000.00	67.51%	0.00	14,943.68
Computers and Equipment	2,776.00	25,856.34	32,500.00	79.56%	0.00	6,643.66
Automotive Expense	1,737.10	11,480.67	13,828.00	83.02%	0.00	2,347.33
Toll Road Charges	64.58	467.98	1,100.00	42.54%	0.00	632.02
Insurance Expense	8,786.21	71,777.16	90,000.00	79.75%	0.00	18,222.84
Utilities - Telephone	1,583.10	12,899.11	19,200.00	67.18%	0.00	6,300.89
Bank Fees	1,040.30	8,082.69	10,500.00	76.98%	0.00	2,417.31
Miscellaneous Expense	2,258.99	45,700.89	114,020.00	40.08%	2.40	68,316.71
MWDOC's Contrb. To WEROC	12,532.50	100,260.00	150,390.00	66.67%	0.00	50,130.00
Depreciation Expense	425.35	4,131.66	0.00	0.00%	0.00	(4,131.66)
Other Expenses	51,718.52	451,929.66	753,928.00	59.94%	75,637.63	226,360.71
Election Expense	521,577.61	521,577.61	592,000.00	88.10%	0.00	70,422.39
MWDOC's Building Expense	3,552.25	251,013.73	495,000.00	50.71%	13,809.84	230,176.43
Capital Acquisition	0.00	22,799.05	62,500.00	36.48%	0.00	39,700.95
TOTAL EXPENSES	1,080,263.89	5,470,091.47	9,450,609.00	57.88%	856,773.32	3,123,744.21
NET INCOME (LOSS)	(1,056,562.73)	3,180,283.35	0.00			

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

	Month to Date	Year to Date	Annual Budget	% Used	Budget Remaining
<u>WATER REVENUES</u>					
Water Sales	2,922,420.00	89,543,097.00	121,881,702.00	73.47%	32,338,605.00
Readiness to Serve Charge	866,439.80	8,066,525.44	12,674,093.00	63.65%	4,607,567.56
Capacity Charge CCF	295,400.00	3,005,695.00	4,829,790.00	62.23%	1,824,095.00
SCP Surcharge	18,741.99	209,164.77	365,000.00	57.31%	155,835.23
Interest	712.50	5,263.33	4,800.00	109.65%	(463.33)
TOTAL WATER REVENUES	4,103,714.29	100,829,745.54	139,755,385.00	72.15%	38,925,639.46
<u>WATER PURCHASES</u>					
Water Sales	2,922,420.00	89,543,097.00	121,881,702.00	73.47%	32,338,605.00
Readiness to Serve Charge	866,439.80	8,066,525.44	12,674,093.00	63.65%	4,607,567.56
Capacity Charge CCF	295,400.00	3,005,695.00	4,829,790.00	62.23%	1,824,095.00
SCP Surcharge	18,741.99	209,164.77	365,000.00	57.31%	155,835.23
TOTAL WATER PURCHASES	4,103,001.79	100,824,482.21	139,750,585.00	72.15%	38,926,102.79
EXCESS OF REVENUE OVER EXPENDITURES	712.50	5,263.33	4,800.00		

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

	Year to Date Actual	Annual Budget	% Used
Landscape Performance Certification			
Revenues	10,911.95	118,900.00	9.18%
Expenses	10,807.23	118,900.00	9.09%
Excess of Revenues over Expenditures	104.72	0.00	
Industrial Water Use Reduction			
Revenues	95,009.98	91,236.00	104.14%
Expenses	25,184.00	91,236.00	27.60%
Excess of Revenues over Expenditures	69,825.98	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	1,120.00	150,000.00	0.75%
Expenses	1,120.00	150,000.00	0.75%
Excess of Revenues over Expenditures	0.00	0.00	
ULFT Rebate Program			
Revenues	34,246.40	205,000.00	16.71%
Expenses	34,246.40	205,000.00	16.71%
Excess of Revenues over Expenditures	0.00	0.00	
HECW Rebate Program			
Revenues	222,592.67	432,000.00	51.53%
Expenses	222,618.54	432,000.00	51.53%
Excess of Revenues over Expenditures	(25.87)	0.00	
CII Rebate Program			
Revenues	225,690.00	325,000.00	69.44%
Expenses	274,840.00	325,000.00	84.57%
Excess of Revenues over Expenditures	(49,150.00)	0.00	
Large Landscape Survey			
Revenues	440.30	30,000.00	1.47%
Expenses	323.72	30,000.00	1.08%
Excess of Revenues over Expenditures	116.58	0.00	

Municipal Water District of Orange County
WUE & Other Funds Revenues and Expenditures (Actuals vs Budget)
From July 2016 thru February 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	(12.53)	0.00	
Turf Removal Program			
Revenues	1,286,555.45	1,750,000.00	73.52%
Expenses	1,105,985.94	1,750,000.00	63.20%
Excess of Revenues over Expenditures	180,569.51	0.00	
Comprehensive Landscape (CLWUE)			
Revenues	119,161.61	399,751.00	29.81%
Expenses	151,476.20	399,751.00	37.89%
Excess of Revenues over Expenditures	(32,314.59)	0.00	
CII, Large Landscape, Performance (OWOW)			
Revenues	-	121,210.00	0.00%
Expenses	42,448.14	121,210.00	35.02%
Excess of Revenues over Expenditures	(42,448.14)	0.00	
WUE Projects			
Revenues	1,996,404.89	4,263,738.14	46.82%
Expenses	1,869,745.75	4,263,738.14	43.85%
Excess of Revenues over Expenditures	126,659.14	0.00	
WEROC			
Revenues	254,953.79	300,780.00	84.76%
Expenses	161,228.01	293,780.00	54.88%
Excess of Revenues over Expenditures	93,725.78	7,000.00	
WEROC - Fuel Trailers			
Revenues	109,023.79	146,140.80	74.60%
Expenses	109,023.79	146,140.80	74.60%
Excess of Revenues over Expenditures	0.00	0.00	



CONSENT CALENDAR ITEM

April 19, 2017

TO: Board of Directors

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

Robert Hunter
General Manager

Staff Contact: Karl Seckel

SUBJECT: **Technical Assistance to Staff on Electromagnetic flowmeters (mag meters) or ultrasonic flowmeters (sonic meters)**

STAFF RECOMMENDATION

Staff recommends the Board of Directors authorizes the General Manager to enter into a contract with Black & Veatch Engineers for technical assistance to support staff on a not to exceed basis of \$16,000.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

Metropolitan Water District of Southern California (MET) will be starting a workgroup with its member agencies, including MWDOC, to discuss changes to MET's Administrative Code to allow expanded flow ranges at service connections using electromagnetic flowmeters (mag meters) or ultrasonic flowmeters (sonic meters). Historically, MET has typically used venturi meters at their service connections. In recent years they have begun using mag meters or sonic meters, but they still only allow a flow range turndown of 10:1 between the max flows and min flows allowed at a service connection (flows above the max or below the min involve penalty charges in accordance with the Administrative Code). MWDOC believes it will be extremely beneficial to retrofit certain service connection that use venturi meter locations to allow larger flow ranges based on the technical capabilities of mag meters.

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

MWDOC has been instrumental in pushing this issue at MET. MET's workgroup, which includes MWDOC, will be evaluating how to put new specifications and policy issues into operation. MWDOC's efforts will be led by Charles Busslinger and Kevin Hostert. Some of the policy and technical issues to be addressed are:

- Upstream and downstream lay lengths to ensure a high accuracy of metering
- Installation requirements:
 - To ensure a full flowtube,
 - Flowtube location relative to pumps and valves,
 - Requirements for minimum offset distance, grounding, and protection of the flow signal from electrical noise
- Meter piping to be stainless steel – will other types be allowed?
- Allowable meter designs: AC-driven, pulsed DC, hybrid
- Meters to be tested in a hydraulic lab prior to installation; to what specifications? Once a particular meter style/size has been tested, does it need to be tested for each new meter installed?
- Responsibility for electronics of the meter if problems occur or replacement is required
- What range of flows will be allowed? How will this be determined? Will it be on the accuracy of sensing low velocities on the lower range and maybe high velocities for piping on the upper range, or on other factors?
- What do other agencies use as standards? ASME-MFC-16-2014, ISO 13359:1998, or European EN 61000?

In February 2016, MWDOC staff sent out an **Invitation to Submit an SOQ and Input on Engineering and Operations of Pipelines in Orange County** to seven consultants who were prequalified and included on Metropolitan's list of engineering consultants and posted the notice on our website. Under this process MWDOC selected Black & Veatch Engineers. Based on the selection, Black & Veatch was awarded one previous contract not to exceed \$25,000 to provide services related to the East Orange County Feeder No. 2 and integration of the Poseidon water. Staff was satisfied with their performance under that contract. Staff recommends using Black & Veatch again under this request for technical assistance in design of flow metering installations.

MWDOC staff is requesting technical assistance in this process from a Consulting Engineering Firm with expertise in flow measurement devices including venturi meters, mag meters and sonic meters; and in design, construction and operation of flow control and flow metering stations. Background and expertise in MET standards for service connections, piping configurations and flow control or pressure control structures is important. Black & Veatch Engineers has all of these capabilities.

Attached is the proposal from Black & Veatch.

Mr. Karl W. Seckel, P.E.
Assistant General Manager/District Engineer
Municipal Water District of Orange County
18700 Ward Street
Fountain Valley, CA 92708

March 29, 2017

Subject: Proposal to Provide Engineering Consulting Services to Assist MWDOC with Evaluation of Metering Options for Member Agencies

Dear Mr. Seckel:

The Metropolitan Water District of Southern California (MET) will be starting a workgroup with its member agencies, including MWDOC, to discuss changes to MET's Administrative Code to allow expanded flow ranges at service connections with mag meter installations. Historically, MET has typically used venturi meters at their service connections. In recent years they have begun using electromagnetic flowmeters (mag meters) or ultrasonic flowmeters (sonic meters), but they still only allow a flow range turndown of 10:1 between the max flows and min flows allowed at a service connection (flows above the max or below the min involve penalty charges in accordance with the Administrative Code).

MWDOC believes it will be extremely beneficial to retrofit certain venturi meter locations to allow larger flow ranges based on the technical capabilities of mag meters. MET's workgroup, which includes MWDOC, will be evaluating how to put this into operation. Some of the policy and technical issues to be addressed are:

- Upstream and downstream lay lengths to ensure a high accuracy of metering,
- Installation requirements:
 - to ensure a full flowtube,
 - flowtube location relative to pumps and valves,
 - Requirements for minimum offset distance, grounding, and protection of the flow signal from electrical noise
- Meter piping to be stainless steel – will other types be allowed?
- Allowable meter designs: AC-driven, pulsed DC, hybrid
- Meters to be tested in a hydraulic lab prior to installation; to what specifications?
Once a particular meter style/size has been tested, does it need to be tested for each new meter installed?

- Responsibility for electronics of the meter if problems occur or replacement is required
- What range of flows will be allowed? How will this be determined? Will it be on the accuracy of sensing low velocities on the lower range and maybe high velocities for piping on the upper range, or on other factors?
- What do other agencies use as standards? ASME-MFC-16-2014, ISO 13359:1998, or European EN 61000?

SCOPE OF SERVICES

MWDOC has requested that Black & Veatch (B&V) provide assistance in this process. Black & Veatch provides expertise with the flow measurement devices under consideration, including venturi meters, mag meters and sonic meters. Black & Veatch also provides experience in design, construction and operation of flow control and flow metering stations. In fact, B&V is currently executing several planning and design contracts with MET involving flow metering and modification of service connections, therefore B&V brings expertise in MET standards for service connections, piping configurations and flow control or pressure control structures.

MWDOC desires to use existing service connections CM-10 and CM-12 in the discussions as potential locations for change-out of the venturi meter to a mag meter to allow flow metering of a wider range of flows. MWDOC is requesting technical guidance, recommendations, sketches and conceptual cost estimates for change-out of these two metering locations.

For budgeting purposes the following assumptions include:

1. Three 4-hour meetings are assumed with MWDOC staff and associated preparation to discuss the concepts involved and to share information coming out of the MET process. B&V will not be attending the MET meetings but will be providing input and suggestions to MWDOC staff directly.
2. B&V will prepare preliminary sketches and conceptual estimates of construction costs for a piping replacement and mag meter installation for both the CM-10 and CM-12 connections.
3. Ten (10) hours as assumed for discussions with various mag meter or sonic meter manufacturers to collect necessary technical information regarding the accuracy of meters and the appropriate installation of meters. Of interest is what symptoms occur when mag meters have error problems and what maintenance and repair activities are required to correct such problems.
4. Four (4) hours for contact with meter testing locations to understand what is involved in the accuracy and consistency testing of meters.
5. Ten (10) hours are assumed for documenting and corresponding with MWDOC staff and for responding to various questions.
6. Provide project management and administration, team coordination and supervision, and quality control.

BILLING RATE INFORMATION

B&V's 2016/2017 billing rates is provided in the table below.

Personnel Classifications	2016/2017 Billing Rate
Project Director/Vice President	\$250-300
Project Manager 1-3	\$200-250
Engineer 6-7	\$190-250
Engineer 4-5	\$135-185
Engineer 1-3	\$100-130
Engineering Technician 5-8	\$110-165
Engineering Technician 2-4	\$90-110
Word Processing Specialist*	\$90-110
Clerical and Finance*	\$90-110
Project Support Assistant*	\$90-110

- (1) Subconsultants will be billed at cost plus 5%.
- (2) An \$8.75 hourly surcharge will be added to the rates indicated above to cover basic computer charges, minor reproduction fees, long distance telephone charges, car mileage for company-owned vehicles and postage rates.
- (3) Other Direct Charges will be billed at cost. Allowable Other Direct Charges include the following:
 - Travel (transportation fares/tickets, vehicle rental & Fuel, lodging, meals, parking, tolls, IRS-approved mileage)
 - Delivery (courier, FEDEX/UPS/Express mail, US mail)
 - Major deliverable reproduction (photocopy, printing)
 - Field equipment and miscellaneous supplies
 - Temporary labor

FEES

Based on our understanding of the project, B&V will provide the services described above for a not-to-exceed fee of \$16,000.

CONFLICT OF INTEREST

Black & Veatch has been a successful company for more than 100 years. We carefully consider each project we undertake to ensure there is no conflict of interest. We are confident that MWDOC's proposed project poses no known or potential conflicts with other agencies or projects.

STANDARD CONSULTING AGREEMENT

During our 30 years in California, Black & Veatch has negotiated contracts with some of the State's most prestigious agencies. We anticipate no difficulties in the negotiation of a contract with MWDOC. If possible, we ask that the following revision to the Insurance Requirements section of Standard Consulting Agreement be considered:

- *Article VI.B requires that the Professional Liability policy includes a provision that requires the insurer to provide 30 days notice of cancelation to the District. Similarly Article VI. C states that CGL, auto, worker's compensation and employer's liability will contain similar clauses. Our insurance policies do not contain this provision. We request that this language be struck or modified to state that Black & Veatch will endeavor to provide thirty days notice of any cancellation.*

SUMMARY

Black & Veatch looks forward to an opportunity to work with MWDOC. Our core team is available to start this project immediately. If you have any questions, do not hesitate to contact me at 949-788-4250.

Yours truly,
BLACK & VEATCH CORPORATION



Matt Thomas, P.E.
Project Manager



ACTION ITEM

April 19, 2017

TO: Board of Directors

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

Robert Hunter
General Manager

Staff Contact: Kelly Hubbard
WEROC Emergency Manager

SUBJECT: **Update to the Municipal Water District of Orange County Continuity of Operations (COOP) Plan**

STAFF RECOMMENDATION

Staff recommends that the Board of Directors: Adopt resolution approving the updated Municipal Water District of Orange County (MWDOC) Continuity of Operations (COOP) Plan, as presented.

COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

SUMMARY

The MWDOC COOP Plan was last taken to the Board for formal approval in 2007. The plan has had minor edits during this time that were provided to staff in their COOP Binders and within the Safety Center App on their phones. During the current update, Staff decided to complete more significant updates to formatting, content related to the current MWDOC Organizational Structure and a clean-up to references and appendices. Due to these changes and how long it has been since the last formal adoption of the plan by the Board, Staff thought it appropriate to have the Board review and approve the plan again. Typically Continuity Plans are reviewed and approved by elected bodies since they include response policies of an organization.

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

DETAILED REPORT

Continuity of Operations, as defined in the National Continuity Policy Implementation Plan (NCP/IP) and the National Security Presidential Directive-51/Homeland Security Presidential Directive-20 (NSPD-51/HSPD-20), is an effort within agencies to ensure that Primary Mission Essential Functions continue to be performed during a wide range of emergencies, including localized acts of nature, accidents and technological or attack-related emergencies.

The primary mission essential functions identified within the MWDOC Continuity of Operations Plan (COOP) are:

- Management/Policy – The ability to support and conduct governance of the board as necessary and required for the continued operations of MWDOC.
- Building Operations Recovery – The ability to restore business operations at the MWDOC Administrative offices or at a temporary alternative site.
- Finance/IT Recovery – The ability to restore financial accounting and IT operations for both WEROC and MWDOC.

In order to ensure that the COOP plan can meet these mission critical functions, it is crucial to maintain a comprehensive COOP plan that evolves with the organization. Additionally, the plan has general information for MWDOC Staff and Board Members in regards to employee preparedness, employee's roles in an emergency, safety actions to take in specific events, etc.

Below is a summary of the updates that were incorporated in the latest version of the COOP Plan.

General

- General clean-up of formatting, references and appendices.

Section 1: Introduction, Definitions and Basic Information

- Further clarification of differences in responsibilities between WEROC EOC response and MWDOC COOP response
- Alternative COOP locations were identified for a situation that results in the MWDOC Administrative Building being deemed unsafe.

Section 2: Incident Specific Response

- Items involving incident specific response were updated to reflect the most current information provided by disaster preparedness authorities (FEMA, DHS etc.).
- Responses were updated for the following hazards: Earthquakes, Fires, Chemical spills, Bomb threats, Workplace violence, and Flooding.

Section 3: Employee Assignments

- The COOP chain of command, staff assignments and organizational chart were updated.
- The MWDOC Daily Operations Organizational Chart was updated.

Section 4: Finance

- Updates were made to the data software backup protocols and accounting restoration priorities sections to reflect the most updated policies and procedures found in the IT Backup and Disaster Recovery Plan.

The update process has led to other discussions on forms, resources, and materials needed to support these primary missions further. For example, there has been an initial discussion on the further development of MWDOC staff's capabilities to conduct necessary financial operations from the WEROC South EOC and a possible test of these capabilities. Staff will keep the board informed of these activities as they are reviewed and addressed.

Attachments

Attached as part of the Board submittal are the following:

- MWDOC Continuity of Government and Operations Plan
- Resolution for Approval

**A RESOLUTION OF THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY ADOPTING THE
REVISED MWDOC CONTINUITY OF OPERATIONS PLAN**

WHEREAS, The Municipal Water District of Orange County (MWDOC) established the goal of developing and maintaining an emergency plan; and

WHEREAS, The California Code of Regulation Section 2401 has since established the Standardized Emergency Management System (SEMS), and the President of the United States in Homeland Security Directive (HSPD)-5, directed the Secretary of the Department of Homeland Security to develop and administer a National Incident Management System (NIMS), both of which standardize response to emergencies involving multiple jurisdictions or agencies; and

WHEREAS, Government Code Section 8607 required all political subdivisions to be in compliance with SEMS by December 1, 1996, to be eligible for reimbursement of emergency response personnel costs and now pursuant to the President's Executive Order, Homeland Security Directive (HSPD)-5, local governments are required to establish the NIMS as the standard for incident management by _____; and

WHEREAS, with this revised emergency plan MWDOC continues to conform to State SEMS and now with Federal NIMS guidelines for emergency plan compliance; and

WHEREAS, MWDOC has determined that it is in the District's best interest and benefit to maintain a current emergency plan that meets emergency management best practices.

NOW, THEREFORE, BE IT RESOLVED the Board of Directors of Municipal Water District of Orange County hereby adopts the MWDOC Continuity of Operations Plan, dated _____.

Said resolution supersedes Resolution 1810 and was adopted on _____ by the following roll call:

AYES:

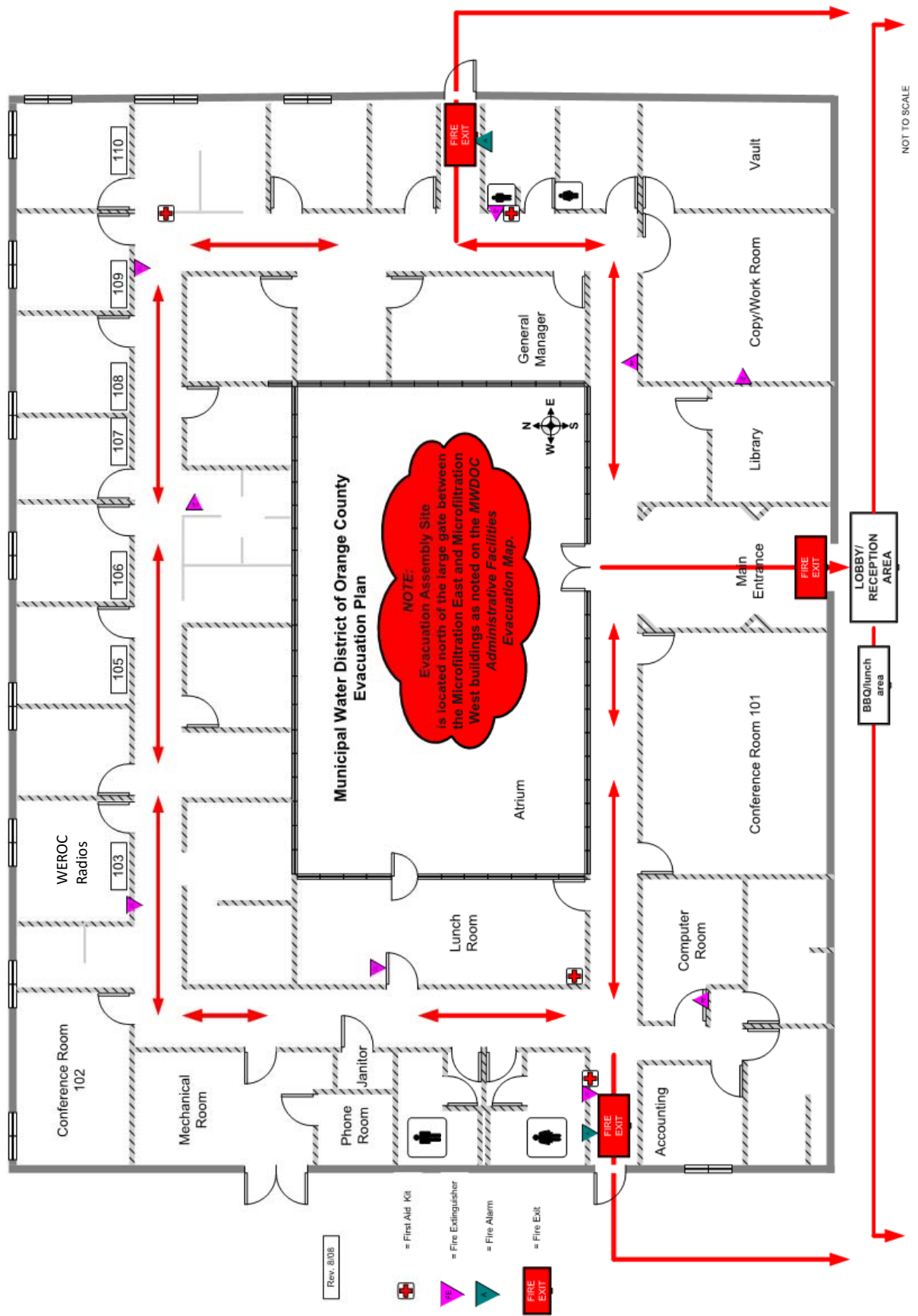
NOES:

ABSENT:

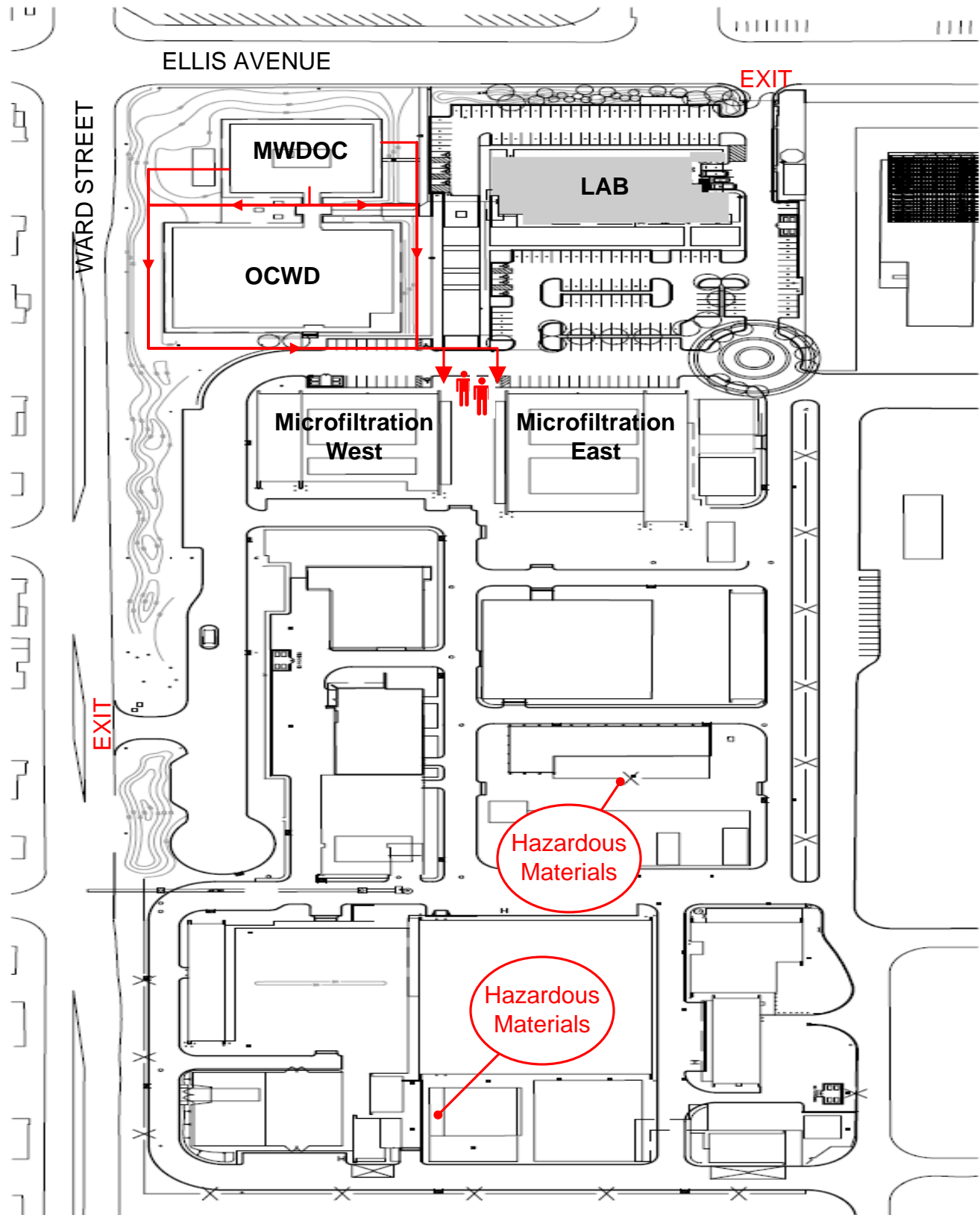
ABSTAIN:

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

Maribeth Goldsby, Board Secretary
Municipal Water District of Orange County



MWDOC ADMINISTRATIVE FACILITIES EVACUATION MAP





CONTINUITY OF OPERATIONS PLAN

QUICK REFERENCE GUIDE

1. ASSESS THE SITUATION

What and where is the emergency incident located?

Is there a hazard?

Is a security breach involved?

Are Emergency Vehicles at the scene?

3. EMPLOYEE ROLL CALL & OFFICE SAFETY ASSESSMENT

Is everyone accounted for?

-Employee roll call sheets found at both emergency exits.

Are there any injuries?

Do you need to evacuate?

4. PLAN YOUR RESPONSE

Refer to the pre-planned responses in this plan.

5. REPORT TO YOUR COOP/EOC LOCATION:

- MWDOC Administrative Facility
18700 Ward Street
Fountain Valley, CA 92728
Phone: (714) 963-3058
 - South EOC
26081 Via Pera Mission Viejo,
CA 92691
Phone: (949) 455-4456
 - North EOC
9737 Peters Canyon Rd. Orange,
CA 92705
Phone: (714) 288-8200
- *Maps (excluding MWDOC map)
found in Part V of this plan.

2. ACTIVATE NEEDED EMERGENCY SERVICES AND DISTRICT PERSONNEL

Emergency Response

911

Fountain Valley Building & Fire Safety

Fire Administration (714) 593-4436

Fountain Valley Fire Department (714) 962-4485

Fountain Valley Police Department (714) 962-4445
(714) 962-4483

Fountain Valley Regional Hospital (714) 966-7200
(714) 966-8100

Orange County OA EOC (714) 628-7060

OCWD Receptionists/24 hour number (714) 378-3200

WEROC North EOC Land Line (714) 288-8200

WEROC South EOC Land Line (949) 455-4456

	OFFICE	CELL
Robert Hunter	(714) 593-5026	(404) 557-5107
Kelly Hubbard WEROC 1 st Contact	(714) 593-5010	(714) 715-0283
Karl Seckel WEROC 2 nd Contact	(714) 593-5024	(714) 423-3361
Paula Bouyounes, OCWD Safety and Risk Manager	(714) 378-3310	(714) 392-2294



Continuity of Operations Plan

April 2017 Revision

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Section 1: Introductions, Definitions & Basic Information

April 2017

1.0 INTRODUCTION

It is to the benefit of the Municipal Water District of Orange County (MWDOC), employees, their families, and the water agencies in Orange County that each MWDOC employee recognize and understand the possible emergency and disaster situations that may affect them and what MWDOC expects of each employee under those conditions. This manual defines most of the possible emergency and disaster situations that could affect MWDOC employees. It is a flexible plan that should be used in all emergencies to facilitate response and short-term activities. Each employee should understand and routinely review this manual. One copy of this manual should be kept on file in each employee workspace. The plan is also available in the Safety Center Smart Phone App for all staff. MWDOC emergency preparedness and response will comply with the Standardized Emergency Management System (SEMS), the National Incident Management System (NIMS), and California State Government Code Section 8607 as appropriate (ref. Section 6.1.5). By **Resolution _____** (ref. Section 6.1.6), the Board of Directors of Municipal Water District of Orange County adopted this plan as of **_____**.

This manual will be of little use after a disaster strikes unless you understand and practice its contents before the emergency. If an employee is unclear about what actions to take during an emergency after reading this plan, that employee should ask their supervisor or the WEROC Emergency Manager for clarification. MWDOC's Quick Reference Guide can provide quick access to the basics of this plan.

1.1 SITUATIONS AND ASSUMPTIONS

A hazard analysis has indicated that MWDOC facilities may be at risk from numerous hazards associated with natural disasters, manmade hazards, and malicious events. A full hazards analysis can be found in the OC Regional Water and Wastewater Multi-Hazard Mitigation Plan. Due to the number of potential hazards and the dense population of Orange County, many of the hazards which exist in or adjacent to the county have the potential for causing disasters of such magnitude as to pose a credible threat to MWDOC's operations. The primary threats to the MWDOC Administration Building are earthquakes, liquefaction and flooding. This plan outlines the steps MWDOC staff should take to protect their health and safety during a potential event, as well as structure and protocols to recover the business operations of MWDOC.

1.2 MWDOC GOALS DURING AN EMERGENCY

It is MWDOC's mission to provide water from the Metropolitan Water District of Southern California (MET) to the MWDOC member agencies. It is the responsibility of MWDOC's member agencies to deliver quality water to their customers. MWDOC does not provide water directly to retail customers or operate water facilities.

During an emergency situation MWDOC will act as a Continuity of Government and Operations Center (COOP Center). In that endeavor staff assigned to the COOP will have the responsibility to:

- Inform the MWDOC Board of Directors of the current situation.
- Ensure appropriate staffing is identified for the COOP, even if WEROC is activated.
- Coordinate with the Board to enact and approve policies and priorities that may need to be determined at the time of the event.
- Ensure the fiscal continuity of MWDOC; including but not limited to the ability to bill and collect revenue and pay staff.
- Restore the operational capability of the MWDOC offices and programs.

Since MWDOC does not operate water facilities, MWDOC's normal office procedures and programs, with the exception of Finance functions, may be pre-empted to provide assistance to water purveyors in Orange County during major disasters.

1.2.1 DISTINCTION BETWEEN MWDOC AND WEROC

Employees should understand the distinction between MWDOC and the Water Emergency Response Organization of Orange County (WEROC). WEROC is an emergency program responsible for coordinating mutual assistance among the water and wastewater agencies in Orange County during disasters. MWDOC manages the day-to-day operations of the WEROC program, but MWDOC and WEROC are separate entities with different goals and responsibilities. During a major disaster and WEROC is activated, MWDOC will be a member of WEROC just as other water agencies. MWDOC, however, does not have a direct responsibility for delivering water to retail customers.

Further, when WEROC is activated, many of MWDOC's employees are pre-assigned to report to WEROC rather than MWDOC (ref. Section 3.2.2). Additionally, at the discretion of the General Manager or Assistant General Manager, MWDOC employees may be reassigned to support either WEROC or MWDOC depending on the greatest need. During a local emergency when MWDOC's COOP is activated and the WEROC Emergency Operations Center (EOC) is not activated, all MWDOC employees will be available to respond to MWDOC's needs according to the guidelines in this plan (ref. Section 3).

In 1983, the Orange County water community developed a Water Supply Emergency Preparedness Plan to respond effectively to regional water supply disasters. As a component of the plan, the Water Emergency Response Organization of Orange County (WEROC) was formed to coordinate effective emergency response on behalf of all Orange County water agencies. In 2007, WEROC added wastewater utilities as signatories to its Indemnification Agreement. A list of WEROC member agencies can be found in the Appendix (ref. Section 5.10).

During an emergency situation that impacts member agencies, WEROC will activate its Emergency Operations Center to assist its member agencies. In that endeavor MWDOC staff assigned to the WEROC EOC will have the responsibility to:

1. Coordinate the allocation of water resources to Orange County retail water agencies based on storage, supply and demand.
2. Collect and analyze damage assessments to determine resource priorities, and report this information to the Orange County Operational Area.
3. Coordinate mutual aid resources as needed.
4. Assist in the resumption of normal operations as soon as possible

1.3 DEFINITION OF AN EMERGENCY

Emergency is defined as: "An unexpected situation or sudden occurrence of a serious and urgent nature that demands immediate action."

A water-related emergency to MWDOC and WEROC could include the conditions listed below:

- Earthquake on a local or distant fault resulting in an interruption in water and wastewater operations in Orange County or causing heavy damage to the regional infrastructure.
- Flood in the Santa Ana River basin resulting in substantial water infrastructure damage.
- An uncontrolled release or failure of Prado Dam, Santiago Dam, San Joaquin Reservoir, and/or other local dams or reservoirs.
- An urban wildland fire detrimentally affecting the water infrastructure in Orange County.
- Any other impending or declared disaster causing heavy damage to Orange County water infrastructure that:
 1. Results in an interruption of water service;
 2. Requires a significant commitment of resources over an extended period of time requiring the activation of WEROC (ref. Section 4.4);
 3. Results in the Operational Area, WEROC member agencies or MET requesting the activation of WEROC.

In addition to water related emergencies, the MWDOC office staff may be affected by other local emergencies. Those emergencies include, but are not limited to:

- Fire in the MWDOC and/or OCWD office or a neighboring building;
- Chemical spills in the vicinity causing evacuation;
- Electrical power failure;
- Civil disorder, bomb threats, workplace violence, riots, vandalism, sabotage.

1.4 EMPLOYEE PREPAREDNESS

All MWDOC employees are considered to be disaster service workers under California State Code 3100-3109. Each employee signed the Disaster Worker Constitution Oath signifying that they understand their duties in a disaster situation and agree to the oath. The oath states that all government employees are required to report to work following a disaster to provide assistance in the continuity of government services to the general public.

MWDOC employees should be aware of and routinely review the layout of the MWDOC/OCWD facilities noting locations of: office exits, fire extinguishers, flashlights, first aid supplies, storage of tools, WEROC and MARS radios and emergency AM/FM/TV/Weather radio. Employees should also be familiar with where each employee works. This information can be found in the evacuation map/building layout, located in the quick reference guide.

Employees are encouraged to have a family communications and disaster plan, to ensure their family's safety during and following an event. Remember if you are at work at the time of an event, you may not be able to get home to make sure everyone is safe. MWDOC employees should practice taking cover for protection during an earthquake and routinely inspect predetermined paths for evacuation in the event of an evacuation. Employees and their families can sign up for AlertOC (www.alertoc.com) to receive emergency notifications from the county or cities in Orange County. If a staff member lives outside of Orange County, a list of emergency notification systems can be found in Section 6.11 of the Appendix.

Employees are expected to be familiar with the WEROC Emergency Operations Plan, the MWDOC COOP Plan, the Standardized Emergency Management System (SEMS), the National Incident Management System (NIMS), and their own emergency response positions and duties through training. WEROC will host an annual disaster exercise and occasional drills to ensure staff understands the above stated concepts.

Family Hotline

MWDOC recognizes that employees will be concerned with their family's welfare. If the disaster occurs after-hours staff should make sure their family is safe and cared for; once this is accomplished staff is expected to report to their designated location and position. If the disaster occurs during work hours family members can call the **Family Hotline at (714) 593-5035**. The answering machine will prompt the caller to indicate the family member's name, their own name, status, location, and a phone number where they can be reached. A COOP assistant will be assigned to record the messages and provide them to the appropriate employee.

EMERGENCY KITS AND SUPPLIES

MWDOC has purchased emergency supplies, including food, water and a first aid kit, which are stored in the kitchen. Additional supplies are located in the storage room. The purpose of MWDOC providing emergency supplies for their employees is to;

1. Ensure that each employee has the basic supplies needed to sustain life for approximately 3 days after a disaster where normal life services are interrupted;
2. Since MWDOC employees may be called upon to assist in restoration efforts to the Orange County water supply after a disaster occurs, MWDOC, in providing basic emergency supplies, will increase the response readiness of employees;
3. Encourage employees to continue emergency preparedness tasks in their workspaces and homes.

Very little maintenance is required for the emergency supplies. The supplies have an average shelf life of 3-5 years, depending on the item. The emergency supplies will be inspected by administrative staff yearly to ensure their readiness. Items will be replaced by the administrative staff in a timely manner.

Employees are also encouraged to follow best practices for emergency preparedness by storing a personal emergency kit in their home, vehicle and office and keeping a pair of comfortable, closed toed shoes at their work station. When building an emergency kit, employees should take into account any special needs that may not be addressed by a basic kit. These could include items such as contacts, extra glasses or dentures. Consult your doctor about storing prescription medications such as heart and high blood pressure medication, insulin and other prescription drugs. It is also recommended that employees store a minimum of \$30 in cash in 10s, 5s and 1s in a secure location for emergency use only. More information can be found at readyoc.com or RedCross.org.

1.5 ACTIVATION

The MWDOC COOP Center and the WEROC EOC can be activated under two conditions: automatic activation or by notification. Staff assigned to the WEROC EOC should review the complete WEROC activation guidelines in the WEROC Emergency Operations Plan.

1. **Automatic Activation during Business/after Hours.** Following a M5.0 or greater earthquake within Orange County, an earthquake outside of Orange County strong enough to disrupt public phone systems or cause visible damage, or other large regional event, both the COOP and a WEROC EOC will be automatically activated with Staff responding to their assigned location without being notified.
2. **By Notification.** At the determination of the MWDOC General Manager or designee the COOP can be activated to support continuity of operations. AlertOC will be utilized to notify staff of activation and any actions that should be taken if the event is outside working hours.

1.6 AFTER HOUR RESPONSE

If an incident occurs outside of normal working hours, employees must determine their need to respond. Employees' perceptions of the severity of an earthquake or other regional event can vary widely with geographical proximity and may be misleading. Before making a determination on whether you are required to report to your assigned disaster response location after an event, consult available media sources for information regarding impacts to infrastructure. If the employee is in Orange County and interprets an earthquake or other disaster as having a strong impact, it is a safe assumption that they should report to their assigned disaster response location.

Once you determine you need to respond, or have been notified of activation, employees are expected to report to their assigned emergency response location and report to their supervisor as designated in, Tables 3.2.1 & 3.2.2.

Proceed to the designated emergency response location only after your family and home are secured and conditions are safe to do so. If you determine another location (ref. Section 1.7) is closer and safer to reach, report to that location. Notify MWDOC if you are unable to report to your designated location. Make sure you have the appropriate map(s) with you in your vehicle and sufficient fuel for a round trip including detours.

1.7 BUSINESS HOUR RESPONSE AND ALTERNATE LOCATIONS

After a disaster occurs, an initial building safety evaluation will be completed by the General Manager, Assistant General Manager or management staff to determine if the MWDOC Administration Office is safe to occupy. Management may consult OCWD as a component of the safety assessment. If there is any concern as to its safety, staff will wait for a building inspector from the City of Fountain Valley to clear the building for occupancy (Fountain Valley Building & Fire Safety Fire Administration: (714) 593-4436). If the MWDOC office is safe to occupy, the COOP staff will use Conference Room 101 as a Status and Briefing Room and Conference Room 102 as Policy Group Room. If it is determined that the MWDOC Fountain Valley office is unsafe, it will be posted unsafe and an alternate site will be determined by the General Manager. Staff should report to the following locations in the order indicated:

1. MWDOC/OCWD; 18700 Ward Street, Fountain Valley 92708
2. WEROC SEOC; 26081 Via Pera, Mission Viejo 92691
3. WEROC NEOC; 9737 Peters Canyon Road, Orange 92705
4. Member Agency Available Space; TBD

Staff will report to the above locations in the order indicated until a safe location for operations is determined. Accounting has established an alternate operating location at the WEROC South EOC in Mission Viejo (see Accounting Recovery Plan in Section 3.5).

If WEROC is activated and occupies the South EOC, the MWDOC COOP operations will move to the North EOC. Operations can be conducted using mobile hot spot devices and satellite data phones until phone/internet services can be established at the site. If this facility is not available, operations will be conducted at an alternative location, provided by the WEROC Mutual Aid Agreement. Computers and other supplies will be provided by private contractors.

1.8 EMPLOYEE ROLL CALL

If a disaster or emergency situation occurs during working hours employees should check in with their supervisor and/or fellow employees as soon as safely possible, whether inside or outside of the MWDOC office. Supervisors will then check in with the General Manager or Assistant General Manager. For the reason of employee accountability during emergencies, employees will always notify their supervisor when they are going to be away from the office and the approximate time of return.

If evacuation of the building is required please follow the currently posted evacuation map to the nearest exit and proceed to the meeting area as indicated. Check on your co-workers and encourage their exit as you pass other work areas. As you leave the building close doors as you pass. If a door is closed cautiously check the office for staff. **Pick up the Employee Roll Call Clipboard and two-way radio at the exit if someone has not already done so and conduct a roll call once everyone is safely evacuated.** Utilize the two way radio to conduct a full roll call if staff was required to evacuate to separate locations. Report any missing persons and their likely location to emergency personnel when they arrive on scene.

1.9 WORK SHIFTS

The MWDOC COOP work will generally be limited to eight or nine hour shifts with consideration to safety and exhaustion. The COOP Director will determine the work shifts, and staff needed to accomplish the COOP's mission.

Employees assigned to a WEROC Emergency Operations Center or another agency may be requested to work 12-hour shifts. Employees will be discouraged from working shifts longer than 16 hours regardless of the number of employees responding or extent of damages.

1.10 PUBLIC INFORMATION

During a major disaster when WEROC is activated, public information will be handled by the WEROC EOC and/or the WEROC representative at the Orange County Operational Area EOC. During local emergencies when WEROC is not activated, MWDOC's Public Affairs staff will be the point of contact for all media and public information.

Refer all questions received from the press and the public to the appropriate MWDOC Public Affairs Staff or WEROC, if activated. **Do not** provide information unless it has been confirmed and approved by the public affairs staff for distribution.

1.11 WATER QUALITY NOTICES

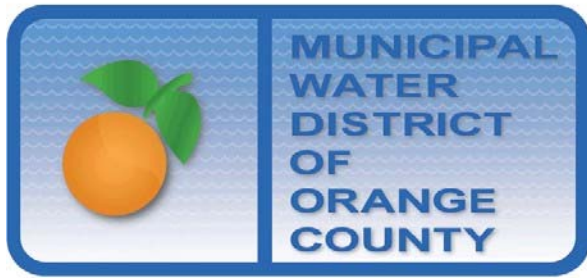
Some agencies may require and utilize water quality notices to inform the public of their water quality and possible need to treat or use alternate sources. MWDOC and WEROC do not issue water quality notices; however WEROC may assist an agency to coordinate with the California State Water Resource Control Board, Division of Drinking Water and that agency's public notification.

Staff should refer public inquiries to each specific water utility. The WEROC Public Information Officer (PIO) will provide all MWDOC Staff with a list of water quality notices and copies of press releases. **MWDOC staff can answer simple questions from the public, only as outlined by those press releases.** **DO NOT** answer questions that are outside of your subject matter knowledge, i.e. technical water quality questions.

1.12 COORDINATION WITH THE OPERATIONAL AREA

MWDOC is signatory to the Orange County Operational Area Agreement. All public political sub-divisions have been organized into Operational Areas (OA) by county jurisdictional lines to ensure coordination, communication and resource sharing. Additionally, MWDOC is separate from WEROC and is a member of WEROC when WEROC is activated. MWDOC, as a member of the OA, will coordinate through WEROC to the OA Emergency Operations Center (ref. Section 1.10).

The OA will notify WEROC staff of emergencies via email, reverse notification and fax. Any emergency communication via fax from the OA to WEROC needs to be hand delivered to the WEROC Program Manager as soon as possible. If the WEROC Program Manager is not available, then the notification should be hand delivered to the Assistant General Manager, or the General Manager (in this order), as soon as possible. The notification should never be left in an inbox. If a FAX or other communication is received by MWDOC from the OA while the WEROC EOC is activated, the information must be forwarded to the activated WEROC Operations Center by email, FAX, telephone (ref. section 5.8 and 5.8.1) or through the WEROC radio.



Section 2: Incident Specific Response

April 2017

2.1 EVACUATION

Be familiar with this evacuation plan prior to an event. If a disaster or emergency situation occurs during working hours employees should check in with their supervisor and/or fellow employees as soon as safely possible, whether inside or outside of the MWDOC office. Supervisors will then check in with the General Manager or Assistant General Manager. For the reason of employee accountability during emergencies, employees will always notify their supervisor when they are going to be away from the office and the approximate time of return.

If evacuation of the building is required please follow the currently posted evacuation map (ref. Quick Reference Guide) to the nearest exit and proceed to the meeting area as indicated. Determine in advance the exit nearest to your work location and the route you will follow to reach that exit in the event of an emergency. Consider an alternate exit in case the nearest exit is blocked or unsafe.

EVACUATE ONLY IF TOLD TO DO SO OR DANGER IS IMMINENT.

- Follow instructions of emergency personnel.
- If it is safe to do so, secure sensitive documents.
- WALK - do not run.
- Keep noise to a minimum.
- Remove high heels to avoid tripping, unless conditions make it unsafe to do so.
- Assist people with disabilities.
- If you are in a meeting, direct visitors to the nearest exit with you. Bring the sign in sheet with you.
- Check on your co-workers and encourage their exit as you pass other work areas. If a door is closed cautiously check the office for staff. As you leave the building close doors to empty offices.

- Pick up the Employee Roll Call Clipboard and two-way radio with the attached envelope containing the radio batteries (radio should be programmed to Channel 9) at either of the two emergency exits and conduct a roll call once everyone is safely evacuated.
- Front desk staff will take the Visitor's Log to the evacuation meeting point to be utilized during roll call to ensure all MWDOC staff and visitors are accounted for.
- Report to the designated area (ref. Quick Reference Guide) unless otherwise directed, and check in for roll call. Utilize the two way radio to conduct a full roll call if staff was required to evacuate to separate locations.
- If the two-way radios are needed, make sure batteries found within the envelope attached to the radio are correctly placed into the radio and turn the radio on. Tune into Channel 9 to communicate with the other MWDOC radio operator as to your location and what MWDOC staff are present at your location.
- Use the staff phone list in the envelope attached to the clipboard to check on any staff unaccounted for.
- Report any missing persons and their likely location to emergency personal when they arrive on scene. Utilize the Evacuation Map attached to the clipboard to show emergency personal where the missing person may be.
- Avoid talking to the Press if present. Refer them to Public Affairs personnel or senior management.

2.2 EARTHQUAKE

Refer to the Hazard Mitigation Plan for a complete hazards analysis for earthquakes in Orange County and Southern California.

2.2.1 DURING THE QUAKE

INDOORS



- DO NOT RUN, a large quake can knock you off of your feet and the building will be moving while you are trying to move.
- TAKE COVER UNDER YOUR DESK or a similar sturdy object AWAY FROM WINDOWS. Watch out for falling objects.
- HOLD ON to the object you are taking cover under. PROTECT YOUR HEAD AND NECK from objects that have been thrown or fallen.

OUTDOORS

- Watch for falling trees, debris and glass from windows.
- Move to an open area away from buildings, electrical wires, and tall objects.
- DO NOT ATTEMPT to run into or out of a building. There may be debris falling from the building.

IN A VEHICLE

- Carefully bring your car to a stop in a safe position in an open area.
- Avoid stopping under or on bridges and overpasses.
- Remain in your vehicle.
- Tune your radio to a news broadcast to hear details of the quake.
- Be cautious of other motorists (those who may panic and drive irrationally).

- Drive cautiously once shaking stops. **DON'T ASSUME THAT THE ROAD IS THERE** unless you can see the road. Remember to yield right of way to emergency vehicles. Traffic signals may not be working, requiring intersections to be treated as four way stop signs.

2.2.2 AFTER THE QUAKE

- If the Earthquake was significant, (falling items, lights out, etc) and there is a clear path to safety, evacuate the building. If it is unclear, management will make a determination.
- ATTEND TO INJURED PERSONNEL. A first-aid kit is in the lunch room.
- BE READY FOR AFTERSHOCKS.
- Monitor available sources for news (AM/FM radios in storage rooms).

2.3 FIRE SAFETY

MWDOC coordinates with the Orange County Water District and the City of Fountain Valley Fire Department to ensure the buildings fire safety mechanisms are in working order. These safety items include: fire extinguishers, fire alarms, and sprinkler systems. However, fire safety is everyone's responsibility. Staff should be sure to utilize electrical outlets properly, and report any fire safety hazards to the Administrative Services Manager.

Be aware of your office location, evacuation map, and safety mechanisms available prior to an event. Know in advance exactly how many doors you will have to pass along your evacuation route before you reach your nearest exit door. This tip will be very helpful in the event you encounter heavy smoke. Remember, when smoke is present, often exit signs above the doors may be covered by smoke. If you know in advance how many doors you will have to pass, you can then crawl and count the number of doors you pass.

2.3.1 OFFICE FIRE

If you discover the fire, alert others by **activating the fire alarm** (ref. Evacuation Map). When the fire alarm is activated the alarms sound in both the MWDOC and OCWD office buildings. Then **call 911** and report the location of the fire.

Small Fires: Use fire extinguisher only if safe to do so.

The fire extinguishers located throughout the MWDOC offices (ref. Evacuation Map) are A-B-C extinguishers and can be used on **any type of fire**.

Fire Extinguisher Instructions:

- P** PULL safety pin from handle.
- A** AIM (nozzle, cone, horn) at base of the fire.
- S** SQUEEZE the trigger handle.
- S** SWEEP from side-to-side. Watch for re-flash.

Large Fires: EVACUATE. Use the following evacuation procedures. Be ready to direct fire personnel.

1. Proceed to the nearest exit.
2. Do not open a door without first feeling if it is HOT (bottom and top of door, not the handle). If it is hot, there may be fire on the other side and you should NOT open the door. If the door is not hot, open the door slowly. Stand behind the door and to one side; be prepared to close the door quickly if fire or heavy smoke is present.
 - If the door is HOT to the touch DO NOT OPEN IT. Stay in your work area with the door closed. If possible call 911 to report your location and wait for fire response personnel to find you.

3. Stay low when moving through smoke. As heat and smoke rise, the cleanest air will move towards the floor. If smoke is abundant, drop to hands and knees and crawl. Breathe shallowly using a blouse, shirt, or jacket as a filter.
4. IF FORCED TO ADVANCE THROUGH FLAMES hold your breath, move quickly, cover your head/hair, and keep your head down and eyes closed as much as possible. If your clothing catches fire: STOP - DROP - ROLL.
5. Continue to follow the Evacuation procedures outlined in Section 2.1 of this plan.
6. Do not re-enter the MWDOC/OCWD buildings until fire officials have determined that it is safe to reenter.

2.3.2 AFTER BUSINESS HOURS FIRE

Usually, fires in office buildings occur during non-working hours. MWDOC staff will be notified via phone, text or email if MWDOC offices are unavailable with instructions on when/where to report for work. Possible alternate locations are designated in Section 1.7.

2.4 CHEMICAL SPILLS

OCWD and Orange County Sanitation District (OCSD) receives delivers, stores and uses hazardous chemicals. Since neither utilizes gaseous chlorine, many spills will be contained within the original spill location. If for some reason the spill is of a gaseous or aerosolized form, normal wind patterns should not carry a leak or spill to the MWDOC office. However, staff needs to be aware of chemical spill response actions.

2.4.1 CHEMICAL RELEASE - SHELTER IN PLACE

- OCWD/OCSD staff will call 911 to notify the Fire Department and Orange County HAZMAT Team.
- OCWD/OCSD staff will notify the OCWD receptionist.
- OCWD's receptionist will then notify all staff by intercom system what protective actions to take.

2.4.2 DISCOVERING A CHEMICAL SPILL

1. Do not touch the material and try not to breathe any vapors.
2. Move to a safe location upwind of the substance if possible. To determine the direction of the wind, use a flag or tree as a reference.
3. For uncontrolled flammable liquid spills, call 911. Provide information as required. Do not hang up the telephone until the 911 operator hangs up. Do not assume that someone else will call 911.
4. Inform the OCWD receptionist in person, or call the OCWD receptionist at 378-3200. The OCWD receptionist will notify the appropriate OCWD staff for response.
5. If it is before or after normal working hours and/or the OCWD receptionist is not available, call the OCWD Emergency Telephone Line at 378-3300 and the appropriate staff will be notified.
6. Follow instructions from the OCWD Hazmat Team or the Fire Authority once on scene.

2.5 POWER OUTAGE

To prepare, you should know the location of the office flashlights. Currently, there are flashlights in the storage room and the kitchen. Emergency lights have been installed in the bathrooms.

- If the office is dark move with extreme caution and verbally let other employees know where you are.
- Check and make sure, all staff and visitors are ok.
- Use available resources (battery powered radio, cell phones, WEROC/OA radio, etc.) to determine the cause extent and possible duration of the power outage.
- Turn off all electrical equipment including computers. When the power is restored there may be a surge and then go off again. These fluctuations can damage electrical equipment.
- Report to your supervisor. Management will determine if staff should continue working, proceed to emergency assignment or head home for the day.
- Most telephones found in the office require electricity to operate. There are three phones in the WEROC office shelf that work without electricity. They can be plugged in anywhere fax machines are plugged in, currently.

2.6 BOMB THREATS

Bomb threats are usually received by telephone or sometimes by a note or letter. Most bomb threats are made by callers who want to create an atmosphere of anxiety and panic. However, **all such calls must be taken seriously** and handled as a potential valid threat.

If you see a package or foreign object in an unusual place DON'T TOUCH IT. Isolate the package and secure the room by shutting all doors and windows and report the package to your immediate supervisor, the General Manager, or Assistant General Manager and call 911. One of these individuals will determine if it is necessary to evacuate the office. Follow their directions. Advise others of the situation and to avoid the area.

Features of suspicious packages include those with suspicious or threatening messages written on them, irregularly shaped, bulging or rigid packages, unprofessionally wrapped packages with excessive amounts of tape or other wrappings and packages with protruding wires or aluminum foil.

If you receive a bomb threat telephone call stay calm and be courteous to the caller. Try to stretch out the call as long as possible. Write down the time and incoming phone number of the call. While the caller is talking, take notes on the exact wording of everything said and on your observations about the character of the voice (cultural accent, man/woman, calm or nervous, yelling or soft) and background noises. Use the Bomb Threat Report form in the following section, or the MWDOC Employee manual to record information.

Try to signal a co-worker to call 911 while you are still on the phone. After 911 is called an immediate supervisor should be notified. If you are unable to notify a coworker, call 911 immediately after the caller hangs up and notify your supervisor, the General Manager or the Assistant General Manager. One of these individuals will determine if it is necessary to evacuate the office. Follow their directions.

After the caller hangs up, don't allow the phone line to be used again so that the call can be traced by law enforcement. If an explosion occurs at any time EVACUATE the building and call 911 immediately. Follow evacuation procedures as outlined in Section 2.1.

2.6.1 BOMB THREAT REPORT

Caller's Voice:

Calm	Raspy	Crying
Nasal	Rapid	Cracked
Angry	Deep	Distinct
Stutter	Soft	Accent
Excited	Ragged	Slurred
Lisp	Loud	Familiar
Slow	Deep Breathing	

Did the voice sound familiar? Who?

Questions to ask:

1. **When** is bomb going to explode?
2. **Where** is it right now?
3. What does it **look like**?
4. What **kind** of bomb is it?
5. What will cause it to explode?
6. Did you place the bomb?
7. Why?
8. What is your name?
9. What is your address?

(Continued on the following page)

Exact wording of the threat:

Sex of Caller: _____ **Age:** _____ **Length of Call:** _____

Number at which call was received: _____ **Time/Date:** _____

Background Sounds:

Street noises

Office Machines

Animal noises

Motor/Engine

Quiet

Household noise

Music

Voices

Heavy Machinery

Threat Language:

Well spoken (educated)

Incoherent

Foul

Taped

Irrational

Message read by threat mak

Remarks:

2.7 WORKPLACE VIOLENCE

Any threat of violence or concern about inappropriate behavior should be taken seriously and reported to your supervisor, the Assistant General Manager, General Manager, or Administrative Services Manager.

In the event that a co-worker or visitor demonstrates unusual behavior:

1. Do not ignore the behavior. If you believe it is unusual or concerns you, report it.
2. Always listen to co-workers and visitors; be empathetic and compassionate.
3. If the individual threatens violence towards you or others remain as calm and collected as possible. Your behavior will often influence the individual's behavior. Try to stay between the person and the door to allow for your escape.
4. If a person is brandishing a weapon, whether or not the person has hurt anyone, calmly get away from that person as soon as possible and assist others in fleeing.
5. If you need assistance, call 911 and report the incident. If you are unsure of the seriousness of the situation, report it to your supervisor.

If violence occurs:

1. Run:

- Have an escape route planned and in mind.
- Leave your belongings behind.
- Keep your hands visible.

2. Hide:

- Hide in an area out of the shooters view.
- Block entry to your hiding place and lock the doors.
- Silence your cell phone and/or pager.

3. Fight:

- As a last resort and only when your life is in imminent danger.
- Attempt to incapacitate the shooter.
- Act with physical aggression and throw items at the active shooter.

2.7.1 SEE SOMETHING SAY SOMETHING:

Report any suspicious behavior that could indicate terrorism or terrorism-related crime to your supervisor, General Manager, Assistant General Manager or to local law enforcement. Tips can be submitted to the Orange County Intelligence Assessment Center (<https://ociac.ca.gov>). Suspicious behavior can include but is not limited to:

1. Unusual items:

- Vehicles parked in odd locations.
- Unattended packages or luggage.
- Doors or windows left open that are usually closed.

2. Eliciting information:

- A person showing curiosity about a building or facility beyond casual or professional interest.
- A person eliciting information about a facilities purpose, operations, security procedures, personnel, or shift changes.

3. Observation/surveillance:

- A person loitering without explanation, especially in concealed areas.
- Unusual, repeated, or prolonged observation of a building.
- A person taking pictures, notes, measurements or sketching floor plans of a facility.

Some of this behavior could be innocent - It is ultimately up to law enforcement to decide which activities warrant investigation.

2.8 SPECIAL INTEREST DEMONSTRATION PICKET LINE.

It is possible that MWDOC and/or OCWD could experience a special interest demonstration picket line. Frequently, people participating in picket lines are emotionally highly-charged. They have their cause in mind and don't hear much outside of their current situation.

If you have to cross a demonstration picket line in order to enter the MWDOC office, assess the temperament of the demonstrators. Do not engage with the demonstrators. At the first sign of aggressive behavior, **RETREAT**. If the Press is present, try to avoid contact. Go to a telephone and notify the General Manager of the situation. An evaluation will be made by the General Manager, Assistant General Manager, or your Supervisor and you will be instructed on what actions to take.

ALWAYS REMEMBER TO MAINTAIN YOUR SAFETY!

In occurrences of **riots, vandalism, sabotage, civil disorder, etc., MAINTAIN YOUR SAFETY**. Do not expose yourself to any more risk than is necessary. No personal possession or District possession is worth the threat to your safety or life. If you notice a condition that may adversely affect your safety any time during working hours, find a safe location and notify the other MWDOC employees. If you are outside of the office call MWDOC staff inside to notify them of the situation. **DO NOT TAKE AGGRESSIVE ACTION**. If the situation warrants, call 911.

2.9 FLOODING

The MWDOC Admin Building is subject to potential flooding from several local dams and reservoirs. These include Prado Dam on the Santa Ana River in the Santa Ana Canyon, and Santiago and Villa Park Dams located on Santiago Creek which flows into the Santa Ana River. The MWDOC office is located about 1/2 mile west of the Santa Ana River.

Certain areas adjacent to the Santa Ana River are subject to flooding in the event of what is termed a 100-year flood. Usually, estimated peak flow of such a flood is developed from statistical analysis of stream flow, precipitation records and run-off.

The flooding in most situations may occur due to heavy prolonged storms, but adverse conditions such as high tides can impact the problem. Other situations which can cause flooding are hurricanes, high winds, waterspouts, and tsunamis.

A slow-rise flood situation will evolve through a series of seven stages as indicated below. This evolution of an emergency could begin with a minor problem, such as excessive rainfall, and culminate in a catastrophic event, such as a major levee break and flooding. These response stages are linked to Santa Ana River flow measured at the 5th Street Bridge in Santa Ana. The river elevations are intended to be guides for declaring the response stages. The Orange County Flood Control District will monitor the situation and determine the response stages based on a variety of circumstances, including weather forecasts, dam releases and levee conditions.

WEROC staff will monitor the OC Flood Control District Alert Stages. If a Stage III of the Orange County Flood Control District Alert Stages has been reached, coordination between MWDOC and OCWD will occur by the General Manager, Assistant General Manager or Administrative Services Manager to determine protective action.

2.9.1 ORANGE COUNTY FLOOD CONTROL DISTRICT ALERT STAGES

STAGE I (Watch Stage)

- Mild rainfall.

STAGE II

- Heavy rainfall or potential thereof. OC Public Works Department Operations Center activated and surveillance of flood control facilities in effect.
- MWDOC General Manager, Assistant General Manager or Administrative Services Manager notified of the conditions.

STAGE III

- Continuation of heavy rain or deterioration of facilities. County personnel assume assigned emergency duties.
- MWDOC General Manager, Assistant General Manager, or Administrative Services Manager evaluates whether COOP or WEROC EOC activation is necessary.

STAGE IV

- Conditions are or are likely to be beyond County control.
- Emergency declared by County.
- MWDOC General Manager, Assistant General Manager, or Administrative Services Manager determine the safety of staying in the MWDOC building or evacuating.

STAGE V

- Damage beyond local resources. Governor requested to proclaim state of emergency.

STAGE VI.

- Damage beyond State resources. President requested to declare Major Disaster.



Section 3: Employee Assignment

April 2017

3.0 EMPLOYEE ASSIGNMENTS

The MWDOC Office will be acting as the Continuity of Operations Center (COOP) during a disaster. The Policy Group, Finance/IT Recovery Section, and the Building Operations Recovery Section will be components of the COOP. Staff assignments and chain of command for the MWDOC COOP are listed in Table 3.2.1. All full-time and part-time employees and interns have assigned positions.

Traditional ICS functions will be convened at the WEROC Emergency Operation Center (EOC) in support of member agency response and recovery. Program staff (i.e. Engineering, Water Use Efficiency) are assigned to the WEROC EOC since many of their programs will be temporarily on hold during a major disaster. If the disaster does not require a WEROC EOC activation then program staff are assigned to the recovery and restoration of their own program's activities. Staff assignments to the WEROC EOC are listed in Table 3.2.2.

Staff will report to their assigned location (addresses below) unless it is unsafe. If there is any concern as to its safety, staff will wait for management or a building inspector to determine whether the facility should be occupied. If it is determined that the building is unsafe, it will be posted unsafe and an alternate site will be determined by the General Manager. A WEROC radio can be utilized to check the availability and safety of these facilities prior to moving on to the next location. Accounting has established an alternate operating location at the WEROC South EOC in Mission Viejo (ref. Section 4 Finance Section).

1. MWDOC/OCWD, 18700 Ward Street, Fountain Valley
2. WEROC SEOC, 26081 Via Pera, Mission Viejo
3. WEROC NEOC, 9737 Peters Canyon Road, Orange
4. Member Agency Available Space; TBD

3.1 TEMPORARY/CONTRACT EMPLOYEES

Temporary or contract personnel are not to report after a disaster unless called or have pre-assigned duties. Supervisors need to make this clear to all temporary/contract personnel under their direction.

3.2 COOP FUNCTION ASSIGNMENTS

These positions are intended to address both local disasters with the majority of the MWDOC employees' available and major disasters when many MWDOC staff will report to WEROC and will not be available to support the MWDOC office response. Assignments are listed in order of command if the primary staff person is unavailable.

These recommended position assignments are a guideline for MWDOC disaster recovery operations. Due to vacations, sick time, out of office meetings, etc., a reallocation of functions may be required. Referencing the MWDOC Daily Operations Organizational Chart (Table 3.2.3) will provide employee names associated with job titles. The COOP Director may reassign personnel at their discretion depending on the incident and personnel available.

Table 3.2.1 COOP ASSIGNMENTS AND CHAIN OF COMMAND

COOP Assignments and Chain of Command

		Primary	2nd	3rd	4th	5th
Management						
Policy Group		All Board Positions				
Director		General Manager*	Assistant General Manager*	Associate General Manager*	Accounting Manager	Sr. Exec. Assistant to Board
COOP Director Assistant		Sr. Executive Assistant	Sr. Exec. Assistant to Board			
Policy Group Assistant		Sr. Exec. Assistant to Board	Sr. Executive Assistant			
Radio Liaison		Water Resource Analyst*	Interns	Admin Assistants		
Finance/IT Recovery						
Finance/IT Recovery Chief						
Accounting Unit Leader		Accounting Manager	Financial Analyst*	Senior Accountant		
IT Unit Leader		Senior Accountant Network Systems Engineer	Accountant Financial Analyst*	Outsource/Mutual Aid		
Building Operations Recovery						
Building Operations Recovery Chief		Admin. Services Manager*	HR Sr. Executive Assistant	Records Coordinator		
Documentation Unit Leader		Admin Assistant**	Admin Assistant**			
Logistics Unit Leader		Admin Assistant**				
Records Recovery Unit Leader		Records Coordinator	Admin Assistant**			
Assistants		Admin Assistants	Interns			

*Primary assignment is to WEROC.

**As assigned by the Building Operations Recovery Chief

Note: Policy group will be asked to report to MWDOC if requested

Table 3.2.2 WEROC ASSIGNMENTS

MWDOC staff listed below should report to their designated locations upon automatic activation or notification from the WEROC EOC's. Upon arrival to the EOC, staff should refer to the WEROC Emergency Response Plan for their specific function assignment and duties. Check in with the EOC Director to receive further instructions.

MWDOC STAFF POSITIONS ASSIGNED TO WEROC EOC's:*

- General Manager
- Assistant General Manager
- Associate General Manager
- Director of Water Use Efficiency
- WUE Program Supervisor
- WUE Program Coordinators
- WUE Office Assistant
- WUE Program Specialist
- WUE Analyst
- WUE Program Assistant
- Director of Public Affairs
- Public Affairs Manager
- Public Affairs Supervisor
- Public Affairs Assistants
- Financial Analyst
- Governmental Affairs Manager
- Administrative Services Manager
- Principal Engineer
- Principal Water Resources Analyst
- Sr. Water Resources Analyst
- Water Resources Analyst
- WEROC Programs Manager
- WEROC Program Coordinator
- WEROC Administrative Assistant

*As positions change, all positions related to WEROC, WUE, Engineering and Public Affairs will be assigned to the WEROC EOC.

Table 3.2.3 MWDOC DAILY OPERATIONS ORGANIZATIONAL CHART

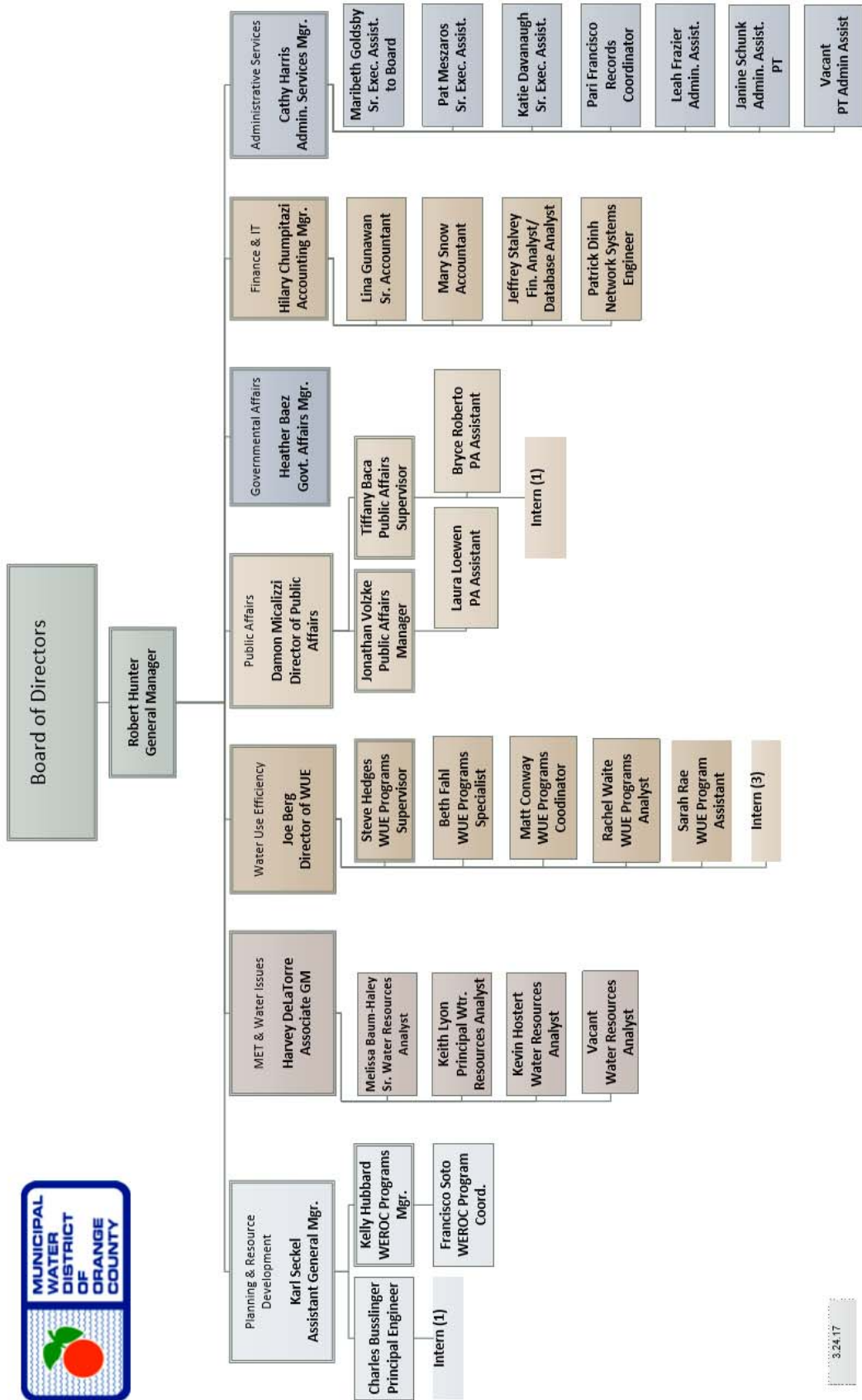
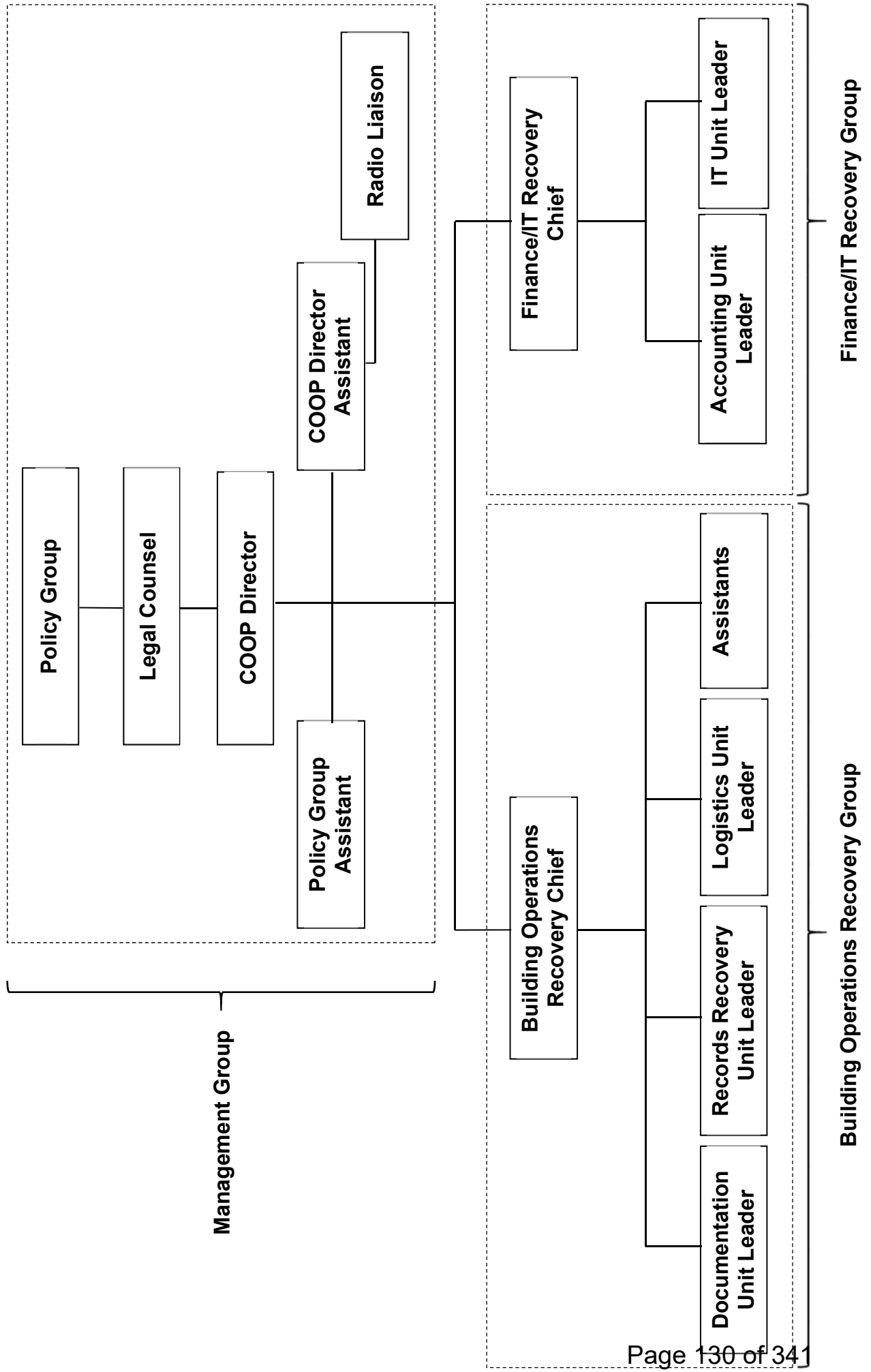


TABLE 3.2.4 MWDOC CONTINUITY OF OPERATIONS CENTER ORGANIZATIONAL CHART



3.3 COOP POSITION MISSIONS & CHECKLIST

Checklists for each COOP position are provided on the following pages. These checklists should be utilized by staff as a set of guidelines for their position. Included in the checklists are mission statements, who the position reports to, staff assignments and potential duties. Understand that other duties may be assigned to staff as required.

Management Group

The COOP Director oversees the overall implementation of the Continuity of Operations Plan to ensure continuity of government and to standard business operations. The Director determines the need to activate the COOP plan based on impacts to the MWDOC Administration building and business operations. Additionally, the Director determines which COOP Groups need to be staffed and should report to work.

Policy Group

The Policy Group will be asked to report to the MWDOC COOP Center if Board approval is required for response activities that are necessary to facilitate recovery efforts. The majority of policies and authorities required for response and recovery actions have been developed and approved through the MWDOC Administration Code, the MWDOC COOP and WEROC Emergency Response Plan (ERP). The Policy Group will be kept apprised by the MWDOC General Manager or designee of impacts and actions being taken. Depending on conditions, regular board meetings may be rescheduled, held via conference call, or relocated. Emergency Board meetings may also be called if needed. All Brown Act requirements will be adhered to.

Finance/IT Recovery Group

The Finance/IT Group's primary responsibility is the restoration of IT and accounting functions. The IT staff also support WEROC operations and may have to report to the WEROC EOC first.

Building Operations Recovery Group

The Building Operations Recovery Group is responsible for restoration of the physical work environment of MWDOC, including but not limited to document recovery, office supplies and work stations.

Policy Group

Mission: Approve operational policies and goals to direct MWDOC COOP and WEROC EOC disaster response and recovery.

Assigned Staff: All MWDOC Board Members

Coordinates with: COOP Director and Policy Group Assistant

Checklist:

- ☐ Report to the MWDOC COOP Center if requested and check in with Documentation Unit Leader.
- ☐ Report to the MWDOC Policy Room, Conference Room 102.
- ☐ Receive a briefing from the Policy Group Assistant.
- ☐ Establish contact with the MWDOC COOP Director.
- ☐ Support the WEROC EOC and EOC Director with policy and political support, as requested.
- ☐ Ratify the COOP Director's decision to declare an emergency for MWDOC and any expenditures requiring ratification.
- ☐ As required, approve staff recommended policies and guidelines required for fiscal continuity and continuation of governance to be implemented at the MWDOC COOP.
- ☐ As required, approve staff recommended policies and guidelines related to MWDOC's mission as a water resource management agency to be implemented at the WEROC EOC.
- ☐ Review and approve major contracts and purchases that are above the emergency authority of the MWDOC General Manager (COOP Director) and staff.
- ☐ Represent the interests of MWDOC and its member agencies to the County of Orange Board of Supervisors, MWD, and other outside agencies.

- ☐ Work with the WEROC EOC Public Information Officer to coordinate press conferences as needed.
- ☐ Do not release information or provide reports to entities outside the MWDOC without the concurrence of the COOP Director or General Manager.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation, provide the completed function activities log and all other response related documentation to the Policy Group Assistant.
- ☐ Check out with Documentation Unit Leader.

COOP Director

Mission: Manage MWDOC's policy group, continuity of operations, and business recovery.

Assigned Staff: Primary: General Manager*
Second: Assistant General Manager*
Third: Associate General Manager*
Fourth: Accounting Manager

Reports to: Policy Group

Coordinates with: Legal Counsel (if needed)

Checklist:

- ☐ Check in with Documentation Unit Leader.
- ☐ Assign and manage COOP personnel as needed to perform the following roles:
 - Management Support.
 - Finance/IT Recovery and Support.
 - Building Operations Recovery and Support.
 - Radio Operators and Telephone Operators.
- ☐ Review status report from Section Chiefs.
- ☐ Issue a proclamation of Local Emergency, subject to ratification, if the Policy Group is not in session.
- ☐ Determine likely duration of event, operational needs, and work schedule.
- ☐ Determine priorities for restoration efforts of MWDOC operations.
- ☐ Approve requests for major resources.
- ☐ Conduct periodic strategy and briefing meetings.
- ☐ Inform Policy Group of disaster status and actions taken.

- ☐ Coordinate with the MWDOC Policy Group as needed for policy direction in the MWDOC COOP and the WEROC EOC.
- ☐ Coordinate information flow of policies and status to WEROC EOC.
- ☐ Develop and issue rules, regulations, proclamations and orders.
- ☐ Request the MWDOC Policy Group to ratify the declaration of a Local Emergency and any purchases as identified in Admin Code 1307.
- ☐ Recommend to WEROC that a request be sent through the OA to the Governor requesting a proclamation of State of Emergency in accordance with provisions of the California Emergency Services Act.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Review and approve Section Recovery Plans.
- ☐ Upon deactivation or end of shift, provide the completed function activities log and all other response related documentation to the Documentation Unit Leader.
- ☐ Check out with Documentation Unit Leader.

COOP Director Assistant

Mission: Assists the COOP Director to manage MWDOC's policy group, continuity of operations, and business recovery.

Assigned Staff: Primary: Sr. Executive Assistant
Second: Sr. Executive Assistant to the Board

Reports to: COOP Director

Checklist:

- ☐ Check in with Documentation Unit Leader.
- ☐ Check in with COOP Director and receive briefing.
- ☐ Supervise WEROC / MARS / OA1 Radio Liaison.
- ☐ Relay critical incoming messages between the COOP Director and WEROC / MARS / OA1 Radio Liaison.
- ☐ Relay information between COOP Director and Section Chiefs.
- ☐ Ensure that all work accomplished is documented.
- ☐ On behalf of the COOP Director collect and organize documentation relating to COOP Director and Radio Liaison.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation, provide the completed function activities log and all other response related documentation to your supervisor.
- ☐ Check out with Documentation Unit Leader.

Policy Group Assistant

Mission: Assist the COOP Director in coordinating the efforts of the Policy Group.

Assigned Staff: Primary: Sr. Executive Assistant to the Board
Second: Sr. Executive Assistant

Reports to: COOP Director

Coordinates with: Policy Group

Checklist:

- ☐ Check in with Documentation Unit Leader.
- ☐ Check in with COOP Director and receive briefing.
- ☐ Coordinate board reports and paperwork.
- ☐ Make recommendations on emergency meeting procedures during a disaster as noted in Administrative Code §1103 Emergency Meetings.
- ☐ Coordinate public meeting notices as required. Share these with the WEROC EOC Public Information Officer for public amendments.
- ☐ Communicate and coordinate with the Policy Group.
- ☐ Facilitate and Document Policy Group meetings.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation provide the completed function activities log and all other response related documentation to your supervisor.
- ☐ Check out with Documentation Unit Leader.

WEROC/MARS/OA1 Radio Liaison

Mission: Utilize the WEROC/MARS/OA1 Radios to facilitate emergency communications between the MWDOC COOP and outside agencies.

Assigned Staff: Primary: MWDOC Interns
Second: Administrative Assistants

ALL MWDOC PERSONNEL SHOULD BE FAMILIAR WITH THE WEROC PROGRAM. EVERYONE MUST BE ABLE TO OPERATE THE WEROC OPERATIONAL AREA AND MARS RADIOS, REGARDLESS OF RECOMMENDED ASSIGNMENT. OPERATION MANUALS FOR ALL RADIOS CAN BE FOUND IN THE WEROC OFFICE.

Reports to: COOP Director's Assistant

Checklist:

- ☐ Check in with Documentation Unit Leader.
- ☐ Check in with COOP Director's Assistant and receive briefing.
- ☐ Check all equipment in your Unit area to ensure its satisfactory operation.
- ☐ Review Radio function's operational folder located in the radio room at the WEROC EOC.
- ☐ Begin by monitoring radio traffic for a few moments to alert you to any WEROC / MARS / OA1 situation status/information being shared among agencies.
- ☐ Document all incoming information to relay to the COOP Director's Assistant.
- ☐ Confirm or relay critical information to and from affected water agencies experiencing difficulty when transmitting or receiving radio messages.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).

- ☐ Upon deactivation, ensure that all forms, communication logs, and all other response related documentation within your Radio Support Function (WERO/MARS/OA1) are turned in to the COOP Director's Assistant.
- ☐ Check out with Documentation Unit Leader.

Finance/IT Recovery Chief

Mission: Manage assigned resources to support MWDOC's continuity of operations and fiscal recovery efforts. Implement MWDOC's Finance Department Recovery Plan (ref. Section 4.5).

Assigned Staff: Primary: Accounting Manager
Second: Financial Analyst*
Third: Senior Accountant

Reports to: COOP Director

Checklist:

- ☐ Check in with the Documentation Unit Leader.
- ☐ Check in with the COOP Director and receive briefing.
- ☐ Assign tasks as necessary within the section and develop Finance/IT Recovery Plan.
- ☐ Activate Disaster Work Order accounting.
- ☐ Recover and secure last backup data.
- ☐ Notify all staff and WEROC EOC Finance & Admin. Chief of assigned work order number.
- ☐ Work with the Building Operations Recovery Chief to establish a purchase order system for tracking incident costs and providing needed resources.
- ☐ Maintain a log of activities for this section.
- ☐ Establish and manage an incident claims process incorporating each function's activities logs and response related documentation collected by the Documentation Unit Leader.
- ☐ Perform damage assessment of MWDOC's Finance Department
- ☐ Implement MWDOC's Finance Department Recovery Plan (ref. section 4.5).
- ☐ Facilitate IT Recovery.

- ☐ Determine banking and fiscal capabilities and identify alternative systems if needed.
- ☐ Coordinate with WEROC Finance and Administration Chief to file FEMA forms and attend required FEMA and OES meetings pertaining to disaster reimbursement (ref Section 4.6).
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation, collect all activity logs and all other response related documentation from the Finance/IT Section.
- ☐ Organize and sort Finance/IT Section documentation collected with the assistance of the WEROC Program Manager who will provide oversight and coordination.
- ☐ Check out with the Documentation Unit Leader.

***Primary assignment is the WEROC EOC.**

Accounting Unit Leader

Mission: Restoration of the MWDOC accounting operations and fiscal continuity.

Assigned Staff: Primary: Senior Accountant

Second: Accountant

Reports to: Finance/IT Recovery Chief

Checklist:

- ☐ Check in with the Documentation Unit Leader.
- ☐ Check in with the Finance/IT Recovery Chief and receive a briefing.
- ☐ At the direction of the Finance/IT Recovery Chief activate Disaster Work Order accounting.
- ☐ Coordinate with the Finance/IT Recovery Chief to determine banking and fiscal capabilities and identify alternative systems if needed.
- ☐ Restore MWDOC accounting procedures and processes. Including but not limited to:
 - ☐ Water Billing
 - ☐ Accounts Payable
 - ☐ Payroll Processing
- ☐ Expedite the purchasing process when possible and within District policy.
- ☐ Assist Finance/Recovery Chief with the FEMA Reimbursement Process.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation provide the completed function activities log and all other response related documentation to the Finance/IT Recovery Chief.

- ☐ Collect and document all response costs for the purpose of FEMA reimbursement.
- ☐ Report Estimated cost of damages and staffing on the Initial Jurisdiction Damage Report Form J-1 Initial Jurisdiction Damage Report Form (ref. 5.9.1).
- ☐ Check out with the Documentation Unit Leader.

IT Unit Leader

Mission: Provide IT resources to support MWDOC's and WEROC's continuity of operations and fiscal recovery efforts.

Assigned Staff: Primary: Network Administrator
Second: Financial Analyst*
Third: Outsource/Mutual Aid

Reports to: Finance/IT Recovery Chief

Checklist:

- ☐ Check in with the Documentation Unit Leader.
- ☐ Check in with the Finance/IT Recovery Chief and receive a briefing.
- ☐ Address IT issues in the following order:
 1. WEROC internet, software, and hardware needs
 2. MWDOC Server Restoration
 3. Accounting / Finance software and hardware needs
 4. Restore remaining IT issues
- ☐ Identify IT section needs and obtain resources/equipment i.e. computers, phones, fax machines, printers, photocopiers, etc.
- ☐ Coordinate with OCWD IT for joint IT recovery.
- ☐ If unable to obtain IT resources/equipment independently, procure supplies through WEROC Logistics Chief ((949) 455-4457).
- ☐ Upon notification and with approval from COOP Director, report to WEROC EOC for WEROC IT restoration.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation provide the completed function activities log and all other response related documentation to the Finance/IT Recovery Section Chief.
- ☐ Check out with the Documentation Unit Leader.

*Primary assignment is the WEROC EOC

Building Operations Recovery Chief

Mission: Overall responsibility for physical recovery efforts of MWDOC's facilities.

Assigned Staff: Primary: Administrative Services Manager*
Second: Human Resources Sr. Executive Assistant

Reports to: COOP Director

Checklist:

- ☐ Check in with the Documentation Unit Leader.
- ☐ Check in with the COOP Director and receive briefing.
- ☐ Perform safety and recovery assessment of MWDOC physical facilities. Report observed IT impacts to the IT Unit Leader
- ☐ Develop a Building Recovery Plan.
- ☐ Coordinate IT recovery needs with IT Unit Leader.
- ☐ Arrange for and manage the recovery efforts in accordance with the Building Recovery Plan.
- ☐ Establish and maintain contact with the OCWD maintenance lead supervisor.
- ☐ Assign personnel to recovery efforts as needed.
- ☐ Act as safety officer correcting all unsafe operations and ensuring prompt medical treatment of injured employees.
- ☐ Assign an available assistant to act as the Logistics Unit Leader.
- ☐ Coordinate with Accounting Unit Leader for any purchases needed to accomplish tasks.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation, collect all activity logs and all other response related documentation from the Building Operations Recovery Section.

- ☐ Organize and sort Building Operations Recovery Section documentation collected with the assistance of the WEROC Program Manager who will provide oversight and coordination.
- ☐ Check out with the Documentation Unit Leader.

* Primary assignment is the WEROC EOC.

Documentation Unit Leader

Mission: Manage all information related to the incident and maintain documentation related to the incident.

Assigned Staff: Primary: Administrative Assistant*
Second: Administrative Assistant

Reports to: Building Operations Recovery Chief

Checklist:

- ☐ Sign in on the Emergency Personnel Tracking Form (ref. Section 5.10).
- ☐ Check in with the Building Operations Recovery Chief and receive briefing.
- ☐ Gather situation status and damage assessment from both Section Chiefs.
- ☐ Utilize MWDOC Conference Room 101 as a situation status and briefing room
- ☐ Responsible for Staff Check in/out.
- ☐ Use the MWDOC COOP Sign-in Sheet to track when staff report to and leave the COOP.
- ☐ When COOP has deactivated provide the Accounting Unit Leader with forms.
- ☐ Establish a method to track, display and document incident and resource status; utilize whiteboards, easels, and the projectors (Excel) to display and document information for records and dissemination.
- ☐ Collect and track information from all COOP positions.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation ensure all response related documentation has been collected and sorted in a notebook for the FEMA reimbursement process.

*As assigned by the Building Operations Recovery Chief

Logistics Unit Leader

Mission: Provide office resources requested by other sections to support recovery efforts.

Assigned Staff: Administrative Assistant

Reports to: Building Operations Recovery Chief

Checklist:

- ☐ Check in with the Documentation Unit Leader.
- ☐ Check in with the Building Recovery Operations Chief and receive briefing.
- ☐ Identify resource needs.
- ☐ Confirm what resources are available.
- ☐ Locate and obtain resources as requested.
- ☐ Work with the Accounting Unit Leader to identify payment methods and processes.
- ☐ Track resource requests and fulfillment using the COOP Supply Request Form.
- ☐ Coordinate building needs (i.e. desks, chairs, office supplies) with Building Operations Recovery Chief.
- ☐ Coordinate needed meals and refreshments for extended event response.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation provide the completed function activities log and all other response related documentation to your Building Operations Recovery Chief.
- ☐ Check out with the Documentation Unit Leader.

Records Recovery Unit Leader

Mission: Restore records management system, and assist staff to identify and recover documents vital to business continuity that have been lost or damaged during a disaster.

Assigned Staff: Primary: Records Coordinator
Second: Administrative Assistant

Reports to: Building Operations Recovery Chief

Checklist:

- ☐ Check in with the Documentation Unit Leader.
- ☐ Check in with Buildings Operation Recovery Chief and receive briefing.
- ☐ Determine the status of the electronic records management system, and what needs to be done to restore the system.
- ☐ Identify the extent of damage to official District records in the Library, what is missing and what may need to be replaced.
- ☐ Work with program staff to identify damaged and missing documents.
- ☐ If necessary, identify and contract with a document recovery provider.
- ☐ Locate and provide staff with requested documents.
- ☐ Manage incoming and outgoing mail.
- ☐ Ensure that all work accomplished is documented.
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation provide the completed function activities log and all other response related documentation to the Building Operations Recovery Chief.
- ☐ Check out with the Documentation Unit Leader.

Assistants

Mission: To assist as needed in completing the COOP response.

Assigned Staff: Primary: Administrative Assistants
Second: Interns

Reports to: Building Operations Recovery Chief

Checklist:

- ☐ Check in with the Documentation Unit Leader.
- ☐ Check in with Buildings Operation Recovery Chief and receive briefing.
- ☐ Assist in duties as assigned.
- ☐ Ensure that all work accomplished is documented.
- ☐ Family Hotline Responsibilities
 1. Change greeting to indicate MWDOC is operating under emergency conditions and update Family Check-in messages throughout emergency period, as needed.
 2. Check Family Hotline messages, then record and provide the messages to appropriate staff.
 - To access Family Check-In messages: Dial 593-5000, enter extension number 5035, hit the '#' sign and enter the password, "1111".
- ☐ Maintain a log of activities for this function (Activity Log, ref. 5.9.2).
- ☐ Upon deactivation provide the completed function activities log and all other response related documentation to your supervisor.
- ☐ Check out with the Documentation Unit Leader.



Section 4: Finance

April 2017

4.1 SUMMARY

This section of the MWDOC Continuity of Operations Plan deals with the emergency planning and recovery of the MWDOC Finance Department. MWDOC's Finance Department has priority within MWDOC's facilities and programs restoration after an emergency. It is desirable to restore MWDOC's Finance Department as soon as possible to ensure continued revenue to MWDOC, protect MWDOC's investments, provide employees with payroll and benefits, provide payment for emergency restoration services, and maintain positive communication with MWDOC's vendors.

These emergency preparedness methods represent an on-going routine by MWDOC employees to ensure that restoration after a disaster will occur with the least amount of inconvenience to the MWDOC employees, MWDOC agencies and companies that have financial interests with MWDOC.

Finance Department preparedness includes several different levels of data and program back-up, hardware and software back-up, facility back-up, financial protocols, and pre-arranged emergency services by suppliers.

Finance Department response includes the establishment of priorities by accounting function, restoration of IT servers, and implementation of alternative financial protocols as needed.

4.2 DATA BACKUP

The most important emergency preparedness item in the Finance department is routine on-site and off-site back-up of data and software applications. Details of the back-up policies and procedures are in O:\IT\Backups and Disaster Recovery Plan. A brief summary of the Finance Department back-up procedures are as follows:

Data and software applications are backed-up every night, Monday through Friday, to a Disk Network Attached Storage (on-site) and to an off-site Data Center (Cloud). The on-site and off-site back-ups are kept for 14 days.

4.3 OFF-SITE FINANCIAL OPERATIONS CENTER

The WEROC South Emergency Operations Center (ref. map in Section 5.7) has been designated as the MWDOC emergency off-site operations center. In the event that the MWDOC Fountain Valley office has sustained damages that will prohibit working in the building, an emergency MWDOC Finance Department may be established at the South WEROC EOC. A back-up server and two computers with financial applications, stored at the South WEROC EOC, will be used to restore data for the Finance Department.

4.4 PURCHASING AUTHORIZATION

By §1307, the MWDOC Board of Directors has authorized the General Manager to expend non-budgeted District funds to meet an emergency that adversely affects, directly or potentially, the ability of the District to perform its services; which puts District property or personnel in jeopardy; or which may jeopardize the health or property of the community and its residents. Per the Administration Code, Chapter 8, Exhibit A the expenditure of those funds are allowed as follows; up to \$100,000 with a purchase order/agreement or contract to be ratified by the Board at the next meeting, or if over \$100,000 the general manager must present an agreement or contract to the Board for approval. The General Manager shall determine that an emergency exists and shall inform the Board of the emergency, at the earliest opportunity, the steps taken and expenditures incurred to respond and recover.

4.5 FINANCE DEPARTMENT DISASTER RECOVERY PLAN

The Finance Department, including IT, will have priority for restoration efforts among the departments within the MWDOC office. MWDOC Finance Department accounting staff will be dedicated to restoring MWDOC's accounting functions and ensuring business continuity. Refer to Section 3 for individual MWDOC staff assignments.

After a disaster, the following steps will be taken to restore the Finance Department functions as soon as possible while maintaining employee safety.

Restoration Priorities

1. Financial Operations Assessment and Documentation.
 - A. Survey Finance department equipment and records and document damages.
 - B. Determine if it is necessary to activate the Off-site Financial Operations Center at the WEROC south EOC.
 - C. Calculate an estimated cost of damages sustained and cost of recovery including the restoration of office functionality and staff time.
2. Disaster Accounting
 - A. Under direction of the General Manager activate Disaster Work Order Accounting. Notify all staff of the assigned work order number.
 - B. WEROC Finance/Administration Chief will utilize Disaster Work Order Number and FEMA financial forms at EOC.
 - C. Establish purchasing methods for emergency restoration efforts
3. Financial Restoration-Operations
 - A. Identify each restoration task with a job number.
 - i. Details for each task will include purchasing of materials and equipment and labor.
 - A. Assemble the necessary FEMA/California Office of Emergency Services (CAL OES) forms.
4. Make contact with primary MWDOC banking institution.
 - A. Determine whether the bank is in normal or modified operation.

5. Restore Revenues and Collections.

A. Investments.

- i. Identify maturing investments and contact the appropriate financial institutions.

B. Accounts Receivable.

- i. Develop a status report of received and outstanding water billing payments.
- ii. Contact agencies with outstanding accounts receivable to MWDOC to determine the status of their payment, i.e. was in the mail, or will be mailed.

6. Restore Revenue Billing and General Disbursements.

A. Restore employee payroll and benefits.

B. Restore Accounts payable and make contact with agencies/vendors if there will be difficulties in making payments.

C. Restore water and other receivables billing.

4.6 FEMA/CAL OES DISASTER REIMBURSEMENT

The response and recovery expenditures and activities of the MWDOC COOP and in support of the WEROC EOC need to be tracked thoroughly to provide the best possible documentation for FEMA/CAL OES Disaster Reimbursement. It is important to provide an initial damage assessment to the Orange County Operational Area and notify them of our disaster activation. If a Presidential Declaration is made the California Office of Emergency Services will initiate the Stafford Act Disaster Reimbursement Process. Staff will be expected to attend multiple meetings and file numerous FEMA reimbursement forms, most notably the Notice of Intent form. Recovery work needs to be initiated immediately so that the FEMA/CAL OES process can be completed as soon as possible. The FEMA/CAL OES process can be complicated and time-consuming, often taking several years.



Section 5: Appendix

April 2017

5.1 EMERGENCY TELEPHONE CONTACT LIST

Organization	Telephone Number
Emergency Assistance	911 (for emergencies only)
American Red Cross	(714) 481-5300 (business hours) 1-800-733-2767 (after hours)
Fountain Valley Building & Fire Safety Fire Administration	(714) 593-4436
Fountain Valley Police	(714) 593-4445 (714) 593-4483
Fountain Valley Fire Department	714-593-4436
CA DHS Drinking Water Program Oliver Pacifico, District Engineer	(714) 558-4997
Orange County Health Services	(855) 886-5400
MWD Diemer Plant	(714) 528-7231
MWD Eagle Rock Operation Command Center	1-800-555-5911 (24 hr)
MWDOC Office	(714) 593-3058
OCWD Chemical Safety, Bill Dunivin	(714) 378-3253
OCWD Operations Control Room	(714) 378-3240
OCWD Office Receptionists	(714) 378-3200
WEROC North Land Line Voice	(714) 288-8200
WEROC South Land Line Voice	(949) 455-4493
Orange County Operational Area EOC	(714) 628-7060
Fountain Valley Regional Hospital 17100 Euclid Ave.	(714) 966-7200,
	ER: (714) 966-8100

*Contacts and Phone Numbers are available through the safety center app on your cell phone.



5.2 MWDOC Telephone Directory

Address: 18700 Ward Street, Fountain Valley, CA 92708

Mailing Address: P.O. Box 20895, Fountain Valley, CA 92728

Phone: (714) 963-3058 **Fax:** (714) 964-9389

Web: www.mwdoc.com



Twitter: <http://twitter.com/MWDOC>



Facebook: <http://www.facebook.com/pages/Municipal-Water-District-of-Orange-County/122742807774775>

Board Meetings

1st Wednesdays at 8:30 a.m. (Workshop w/Met Directors)

3rd Wednesdays at 8:30 a.m. (Regular Meeting)

Board of Directors

Brett R. Barbre <i>Vice President</i> Division One	Address: 21670 Waterford Drive, Yorba Linda, CA 92887 Phone: (714) 396-1350 Fax: (714) 779-2746 Email: brbarbre@mwdoc.com Represents: Brea, Buena Park, portions of Golden State Water Company, La Habra, La Palma, Yorba Linda Water District
Larry D. Dick Division Two	Address: 5223 East Playano, Orange, CA 92867 Phone: (714) 534-1224 Fax: (714) 534-2354 Email: ldick@mwdoc.com Represents: East Orange County Water District, portions of Garden Grove, portions of Golden State Water Company, Orange, Serrano Water District, Tustin, portions of Irvine Ranch Water District
Wayne S. Osborne <i>President</i> Division Three	Address: 18355 Santa Joanana Circle, Fountain Valley, CA 92708 Phone: (714) 963-1557 Email: wsosborne@mwdoc.com Represents: Cypress, Fountain Valley, Los Alamitos, Stanton, Westminster, and the western portion of Garden Grove
Joan C. Finnegan Division Four	Address: 258 Sherwood Street, Costa Mesa, CA 92627 Phone: (949) 548-3690 Fax: (949) 646-1685 Email: jfinnegan@mwdoc.com Represents: Huntington Beach, Mesa Consolidated Water District, Seal Beach
Sat Tamaribuchi Division Five	Address: 1 Sunlight, Irvine, CA 92603 Phone: (949) 422-2371 Email: stamaribuchi@mwdoc.com Represents: El Toro Water District, portions of Irvine Ranch Water District, Newport Beach
Jeffery M. Thomas Division Six	Address: 2831 Watson, Tustin, CA 92782 Phone: (714) 544-1352 Email: jmthomas@mwdoc.com Represents: portions of Tustin, Irvine Ranch Water District, Santa Margarita Water District, Trabuco Canyon Water District
Megan Yoo Schneider Division Seven	Address: 25522 Purple Sage Lane, San Juan Capistrano, CA 92675 Phone: (949) 278-5761 Email: mschneider@mwdoc.com Represents: Emerald Bay Service District, Laguna Beach County Water District, Moulton Niguel Water District, San Clemente, San Juan Capistrano, South Coast Water District

Staff

Robert J. Hunter General Manager	Office: (714) 593-5026 Email: rhunter@mwdoc.com
Karl W. Seckel, P.E. Assistant General Manager District Engineer	Office: (714) 593-5024 Cell: (714) 423-3361 Email: kseckel@mwdoc.com
Cathy Harris Administrative Services Manager	Office: (714) 593-5007 Cell: (714) 329-5412 Email: charris@mwdoc.com
Maribeth Goldsby Sr. Executive Assistant to the Board	Office : (714) 593-5006 Email : mgoldsby@mwdoc.com
Pat Meszaros Sr. Executive Secretary	Office : (714) 593-5025 Email : pmeszaros@mwdoc.com
Hilary Chumpitazi Accounting Manager	Office: (714) 593-5019 Email: hchumpitazi@mwdoc.com
Joe Berg Director of Water Use Efficiency	Office: (714) 593-5008 Cell: (949) 433-2626 Email: jberg@mwdoc.com
Heather Baez Government Affairs Manager	Office: (714) 593-5012 Email: hbaez@mwdoc.com
Harvey De la Torre Associate General Manager	Office: (714) 593-5027 Cell: (714) 878-4317 Email: hdelatorre@mwdoc.com
Jonathan Volzke Public Affairs Manager	Office: (714) 593-5029 Email: jvolzke@mwdoc.com

Legal Counsel

Best, Best & Krieger Joseph P. Byrne	300 South Grand Ave., 25 th Floor Los Angeles, CA 90071 Office: (213) 617-7496 Joseph.byrne@bbklaw.com
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Legislative Consultants

State Legislative Advocate	Federal Legislative Advocate
<p>Syrus Devers Director of Government Affairs 500 Capitol Mall Suite 1700 Sacramento, CA 95814</p> <p>(916) 325-4000 Office (916) 329-3681 Direct (916) 325-4010 Fax</p> <p>syrus.devers@bbklaw.com</p>	<p>James C. Barker 1050 Thomas Jefferson Street, NW 5th Floor Washington D.C. 20007</p> <p>(202) 293-4064 Office (202) 413-2986 Fax</p> <p>jimbarker@JCBDC.com</p>

NOTE: Due to confidentiality this page is not provided to the public and is distributed internally only.

5.3 MWDOC TELEPHONE LIST

First Name	Last Name	Job Title	Extension	Mobile Phone No.
Tiffany	Baca	Public Affairs Supervisor	5013	
Heather	Baez	Governmental Affairs Manager	5012	
Melissa	Baum-Haley	Sr. Water Resources Analyst	5016	352.871.3523
Joseph	Berg	Dir of Water Use Efficiency	5008	(949)433-2626
Charles	Busslinger	Principal Engineer	5003	
Hilary	Chumpitazi	Accounting Manager	5019	
Katie	Davanaugh	Sr. Executive Assistant	5005	
Harvey	De La Torre	Associate General Manager	5027	(714)878-4317
Patrick	Dinh	Network Systems Engineer	5020	714.724.7499
Ryan	Douglass	Student Intern	5036	
Colin	Eckerle	Student Intern	5028	
Beth	Fahl	WUE Program Coordinator	5015	
Ivan	Flores	Student Intern	5053	
Pari	Francisco	Records Coordinator	5002	
Leah	Frazier	Administrative Assistant	5001	
Maribeth	Goldsby	Sr. Executive Assist. to Board	5006	(714)309-9933
Lina	Gunawan	Sr. Accountant	5018	
Cathy	Harris	Administrative Services Mgr	5007	(714)329-5412
Steve	Hedges	WUE Program Supervisor	5023	
Kevin	Hostert	Water Resources Analyst	5034	
Kelly	Hubbard	WEROC Programs Manager	5010	(714)715-0283
Robert	Hunter	General Manager	5026	(404)557-5107
Jessica	Lieuw	Student Intern	5036	
Laura	Loewen	Public Affairs Assistant	5004	
Keith	Lyon	Principal Wtr Resrs Analyst	5009	
Pat	Meszaros	Sr. Executive Assistant	5025	
Damon	Micalizzi	Dir of Public Affairs	5014	
Sarah	Rae	WUE Program Assistant	5055	
Bryce	Roberto	Public Affairs Assistant	5017	
Janine	Schunk	Administrative Assistant	5063	
Karl	Seckel	Assistant General Manager	5024	(714)423-3361
Mary	Snow	Accountant	5030	
Francisco	Soto	WEROC Emergency Prog. Coord	5032	
Jeffrey	Stalvey	Fin Analyst/Database Analyst	5022	
Jonathan	Volzke	Public Affairs Manager	5029	(949)291-8098
Rachel	Waite	WUE Analyst	5011	
Conference Room 102	5033		Security OCWD	3310
Copy/Work Room	5052		Kitchen	5056
Director's Office	5037		OCWD-Emergency	3300
Paging Overhead	5100		Reception/Adrienne	3200
Computer Room	5050		OCWD Control Room	3240
Paging thru Phone	5101		MWDOC fax	714.964.9389

5.4 OCWD TELEPHONE LIST

Abrahamson, Ray	RHA	3335	Evans, Jeremy	JTE	3331	Leinart, Cindy	CGL	3265	Rodriguez, Grisel	GGR	3303
Adams, Alexander	AMA	8215	Ewing, Michael	ME	3240	Leon, Antonio	AL	3336	Roehler, Heinz	HZR	3240
Anguiano, Victor	VA	3312	Fagan, Darlene	DF	3294	Lerma, Jacqueline	JRL	4005	Ross, Mike	MLR	8255
Alvarez, Chris	CA	3255	Ferreira, Joaquin	JF	8255	Lewis, Patrick	PL	3251	Safarik, Jana	JAN	3282
Aragon, Jesse	JJA	3392	Fick, Randy	RF	3271	Li Li	LL	3351	Samples, Mike	MJS	8255
Arora, Ritu	RA	3342	Field, David	DMF	3237	Liang, Laura	LTL	3343	Sanchez, Lily	LVS	3344
Arrieta, Glen	GGA	3235	Flint, Joseph	JDF	8255	Libao, Hannah	HCL	3367	Sanders, Curtis	CLS	3240
Ayala, Gina	GMA	3323	Freeman, Betty	BF	3285	Liebert, Craig	CAL	3240	Saunders, Michael	MRS	8213
Barrera, Pedro	PXB	8255	Friberg, Chris	CF	3392	Lockhart, Ben	BDL	3293	Scott-Roberts, Sandy	SLS	3292
Bolin, David	DPB	3245	Fuller, Christina	CMF	3262	Lomeli, Ben	BL	3243	Sharma, Vishav	VRS	3212
Bonsangue, John	JDB	3353	Gamez, Jacob	JEG	3389	Lopez, Luis	LBL	8255	Sieg, Matthew	MXS	3249
Bott, Dan	DCB	3256	Garcia, Jaime	JXG	8257	Lucero, Erin	EJL	3345	Simala, Danny	DJS	3392
Bouley, Ryan	RCB	8207	Gautier, Eric	EG	3240	Lunch Room		4429	Simone, Frank	FAS	3261
Bouyounes, Paula	PAB	3310	Giraud, Stephanie	SG	3314	Macbeth, Cameron	CBM	8259	Skousen, Cathy	CS	3230
Boyd, Michelle	MB	3224	Goco, Joanne	JDG	3306	Mang, Alec	ASM	8262	Smith, Ben	BTS	3211
Bradberry, Bill	WB	3392	Gonzalez, Ana	ALG	3227	Manriquez, Mario	MXM	3240	Smith, James	JRS	3240
Brandon, Scott	SDB	3249	Gould, Christy	CG	3366	Mansell, Derrick	DEM	4479	Souza, John	JS	3240
Bruns, John	JAB	3341	Greening, Mark	MG	8242	Mark, Dave	DLM	3337	Sovich, Tim	TS	3226
Buis, Matt	MTB	3328	Griffie, Emma	ELG	3312	Markus, Mike	MRM	3305	Spade, Chuck	CMS	3240
Burcar, Jeffrey	JB	3249	Gu, Han	HG	3357	Masters, John Paul	JPM	4372	Sparks, Luke	LDS	3288
Bushay, Bryan	BTB	3240	Gutierrez, Juliette	JMG	3269	McKeever, Justin	JAM	3277	Stevens, Tim	TMS	3331
Camacho, Ray	RGC	8255	Haffke, Don	DEH	8264	McMichael, David	DOM	8211	Stevens, Tom	TSS	3334
Campbell, Adrienne	ALC	0	Hammersmith, Jim	JAS	8205	Morales, Linda	LXM	3321	Stolp, Dylan	DAS	3378
Carreira, Anthony	ARC	3240	Harrington, Philip	PH	3242	Mosher, Elizabeth	EM	8210	Strand, Stephen	SAS	3398
Casasola, Andre	AFC	3352	Hawkins, James	JLH	8213	Mudd, Becky	RRM	3362	Supernaw, Don	DFS	3240
Castro, Christian	CDC	3378	Haydock, Wes	JWH	8216	Murphy, Patrick	PGM	8247	Sutton, Russell	RWS	3240
Castro, Manuel	MHC	8255	Henry, David	DH	8256	Neel, Brendan	BRN	3231	Swanson, Dianne	DLS	3286
Caver, James	JC	3246	Hernandez, Josue	JAH	3249	Neely, Tyson	TLN	3241	Tan, Lo	LT	3368
Centro, Michael	MHC	8213	Herndon, Roy	RH	3260	Nettles, Crystal	CLN	3202	Torres, Eleanor	ET	3268
Cervantes, Alex	AC	8213	Higgins, Andrew	AGH	8255	Nguyen, Kim	KTN	3378	Torres, Luis	LUT	3240
Chae, Eugene	ELC	3340	Hill, Melissa	MAH	3359	Nguyen, Nic	NN	3350	Tran, Quyen	QDT	8206
Chavez, Frank	FXC	4470	Hintlian, Rita	RSH	3252	Nguyen, Tam	TN	3387	Truong, Vu	THT	3309
Chen, Leo	LC	3378	Hollender, Scott	SJH	3240	Nguyen, Thong	TKN	8246	Turcios, Elder	EAT	3378
Cirillo, Darla	DMC	3318	Hollinden, Patrick	PKH	3317	Nguyen, Vickie	VTN	3267	Uribe, Esmer	EU	3320
Clark, Steve	SMC	3240	Houlihan, Don	DH	3355	Nicholson, Thomas	TEN	3240	Valdez, Noe	NV	8271
Cohen, Dan	DRC	3238	Howard, Bonnie	BLH	3258	Norris, David	DJN	3316	Valdez, Ritchie	RNV	8255
Combs, Julie	JLC	3366	Hunt, William	WTH	8229	NWRI Main Line		3278	Valencia, Frank	FXV	3249
Conference Room C-2		4422	Hutchinson, Adam	ASH	3214	Nygren, Scott	PSN	8263	Vamvas, Sterling	SV	8218
Conference Room C-3		4425	Huynh, Yvette	YVH	3378	Ochoa, Melissa	MMC	3283	Versluis, Patrick	PV	8241
Conference Room C-4		4427	Ishida, Kenneth	KI	3290	Ojeda, Richard	RJO	3289	Villarreal, Leticia	LAV	3203
Conference Room C-5		4468	Jackson, Lorenzo	LJ	3208	Okey, Brian	BMO	3296	Vu, Chris	CDV	3240
Conference Room C-6		4474	Jacobs, Phil	PSJ	3240	Olsen, Chris	CSO	3232	Vue, Alex	AV	3295
Conference Room L-1		4475	Jamal, Jasmin	JSJ	4372	O'Toole, Kevin	KWO	3276	Warren, Karen	KW	3201
Crossno, Tyler	TKC	8212	Jaw, Jason	JDJ	3348	Owens, Chris	CJO	3240	Wedge, Marc	MJW	3249
Dadakis, Jason	JSD	3364	Jenkins, Jeremy	JMJ	8255	Patel, Mehul	MVP	8209	Weeratunga, Sumedha	SW	3356
Dang, Anhthu	AHD	3378	Johnson, Bonnie	BJ	8262	Patterson, Craig	CLP	3329	Wehner, Mike	MPW	3297
Dang, Shayla	SPD	3218	Kalinowski, Jay	JJK	3250	Patterson, Renee	RLP	3215	Westropp, Marsha	MAW	8248
Davidson, Scott	FSD	8216	Karlsen, Judy-Rae	JRK	3234	Pennella, Jimmy	JWP	3223	Wilke, Rose	RSW	3206
Davis, Jeremy	JMD	3244	Kelly, Jasper	JSK	8234	Perry, Audrey	AJP	8245	Wilson, Chris	CJW	8217
Dinh, Andrew	ATD	8221	Kennedy, John	JCK	3304	Petty, Mark	MDP	8226	Wimmerstedt, Patti	PLW	3274
Dobrev, Samantha	SLD	3323	Kha, Quan	QMK	3287	Pham, Christine	CDP	3247	Wirtz, Lisa	LTW	3280
Doplito, Pete	PMD	8274	Kirkwood, Jeff	JMK	3223	Pham, John	JDP	3264	Woodside, Greg	GDW	3275
Doshi, Natalia	NCD	8262	Koki, Linda	LK	3354	Phillips, Robert	REP	8224	Xu, Wei	WX	3291

OCWD TELEPHONE LIST (Continued)

Dosier, Bruce	BCD	3298	Kovacevic, Janice	JLK	3248	Pike, Donna	DRP	3308	Yamachika, Nira	NY	3281
Dosier, Stephanie	SD	3311	Krause, Rae	RAE	3349	Pinnick, Diane	DMP	3228	Yamaguchi, Donna	DLY	3225
Duarte, Frank	FJD	3386	Krejcik, Lane	LEK	8208	Plumlee, Megan	MHP	3270	Yamamoto, Mark	MY	3346
Dunivin, William	WD	3253	Lam, Phuong	PML	3272	Raley, Robert	RWR	8214	Yoo, Lee	LY	3347
Dunkin, Alicia	AD	8232	Lam, Thuy	TTL	8235	Ramirez, Juan	JMR	8255	Yoshiba, Gary	GTY	3205
Durant, Janice	JD	3233	Lane, Troy	TLL	3223	Reynoso, Octavio	OJR	3324	Young, Jeannie	JY	3361
Dusky, Kim	KND	3210	Langarica, Julio	JL	3355	Rich, Melany	MKR	3204	Zembal, Richard	RZ	3213
Elders, Christian	CJE	3338	Lau, Anny	ASL	3339	Riopka, Mick	MJR	3325	Zhang, Angel	AZ	3326
English, Randy	RE	8216	Le, Anh-Tu	ATL	3342	Roback, Shannon	SLR	8231	Ziadeh, Ahmad	ATZ	3249
Espinosa, Andrew	ALE	3236	Leddy, Menu	ML	3313						

5.5 MEDIA CONTACTS LIST

Newspapers

First Name	Last Name	Phone Number	Email	Comment
Orange County Register				
Susan	Vardon	714-796-7954	svardon@ocregister.com	Covers Central OC (Santa Ana Office)
Aaron	Orlowski	714-796-2390	aorlowski@ocregister.com	Covers Water Related Issues
LA Times				
Matt	Stevens	-	matt.stevens@latimes.com	Covers Water/Drought
Bettina	Boxall	-	bettina.boxall@latimes.com	Covers Water/ Environment
Robert	Vardon	-	robert.Vardon@latimes.com	Daily Pilot (Costa Mesa & Newport Beach)
LA Times OC Edition		714-966-5600	-	Costa Mesa Headquarters

Radio

First Name	Last Name	Phone Number	Email	Comment
KUCI-FM 88.9				
Kevin	Stockdale	949-824-4582	kevin@kuci.org	General Manager
General Contact Info.		949-824-6868	kuci@kuci.org	
KPCC-FM 89.3				
General Contact Info.		626-583-5100	-	NPR (Covers LA and Orange County)
KABC-AM 790				
General Contact Info.		310-840-4900	-	
KFI-AM 640				
General Contact Info.		818-559-2252	-	
KNX-AM 1070				
General Contact Info.		323-569-1070	-	

Television

First Name	Last Name	Phone Number	Email	Comment
KABC Ch. 7				
Gregory	Lee	-	gregory.A.Lee@abc.com	
Julie	Sone	-	julie.Sone@abc.com	
General Contact Info		877-777-6397	-	Breaking News
		818-863-7777	eyewitnessnews@myabc7.com	Main Line
KCBS Ch. 2 & KCAL CBS Ch. 9				
Chris	Ercoli	-	kcbstvnews@cbs.com	Video Reporter
Michele	Gile	-	mgile@cbs.com	Orange County Reporter
General Contact Info		818-655-2000	-	
KNBC Ch. 4				
Vikki	Vargas	714-288-0444	vikki.vargas@nbcuni.com	Reporter/OC Bureau Chief
General Contact Info		818-684-4444	-	Main
		818-684-3425	-	Breaking News
		714-288-0444	-	OC Bureau
KTTV Fox Ch. 11				
Sandra	Endo		Sandra.Endo@FOXTV.COM	
General Contact Info		310-584-2000	-	Main
		310-584-2025	-	Newsroom
KTLA Ch. 5				
General Contact Info		323-460-5500	-	Main
KOCE PBS Socal Ch. 50				
General Contact Info		714-241-4100	-	Main

5.6 WEROC EOC E-MAIL INFORMATION

Location	Computer	Login	Password
All	EOC Director	WEROCDirector@gmail.com	weroceoc
	EOC Manager	WEROCManager@gmail.com	weroceoc
	PIO	WEROCPIO@gmail.com	weroceoc
	Legal Advisor	WEROCLegal@gmail.com	weroceoc
	DPH Liaison	WEROCDPHLiaison@gmail.com	weroceoc
	OA Liaison	WEROCOA@gmail.com	weroceoc
	Finance Chief	WEROCFinance@gmail.com	weroceoc
	Documentation Processor	WEROCDocumentation@gmail.com	weroceoc
	Plans Chief	WEROCPlans@gmail.com	weroceoc
	Planning Unit Leader	WEROCPlansUnit@gmail.com	weroceoc
	Planning Unit Runner & Plotter	WEROCPlansplotterandrunner@gmail.com	weroceoc
	Situation Status Analyst	WEROCSitStat@gmail.com	weroceoc
	Events Analyst	WEROCEvents@gmail.com	weroceoc
	OA Analyst	WEROCOAAnalyst@gmail.com	weroceoc
	Major Infrastructure Analyst	WEROCMajorInfrastructure@gmail.com	weroceoc
	Intelligence Unit Leader	WEROCIntellUnit@gmail.com	weroceoc
	Intelligence Unit Runner & Plotter	WEROCIntellplotterandrunner@gmail.com	weroceoc
	WEROC Radio Operator	WEROCRadioOp@gmail.com	weroceoc
	MARS OA Radio Operator	MARSOARadioOp@gmail.com	weroceoc
	Logistics Chief	WEROCLogistics@gmail.com	weroceoc
	Water ICP Liaison	WEROCICPLiaison@gmail.com	weroceoc
	WEROC Liaison	WEROCLiaison@gmail.com	weroceoc
North EOC	Primary Email	NorthEOC@sbcglobal.net	N0rthe0c
South EOC	Primary Email	SouthEOC@sbcglobal.net	S0uthe0c

5.7 WEROC SOUTH EOC (MISSIONS VIEJO) MAP

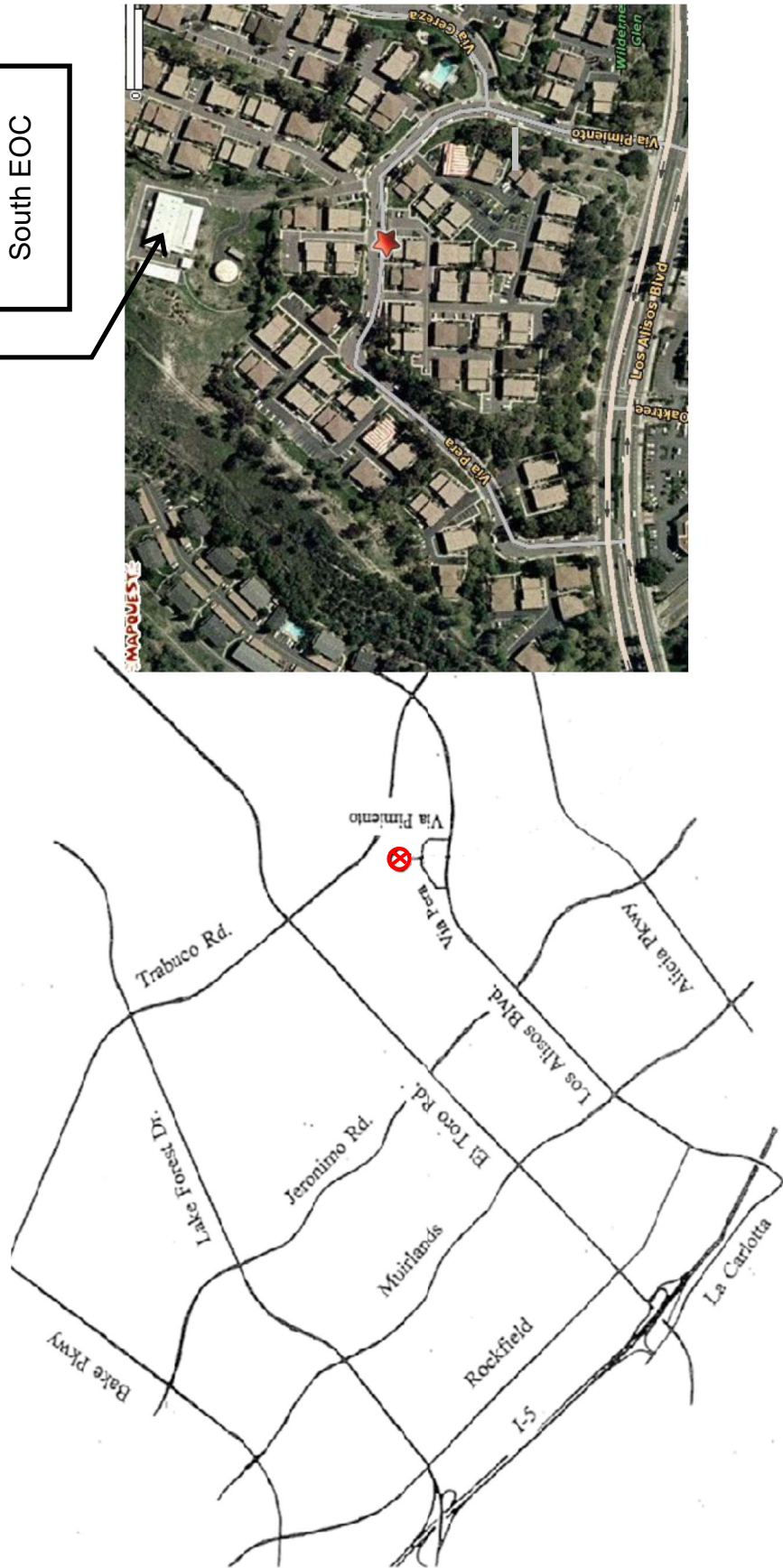
26081 Via Pera Mission Viejo, CA 92691

Phone: (949) 455-4493

Fax: (949) 455-4492

(At El Toro WD's Prothero Filtration Plant, behind condos)

WEROC
South EOC



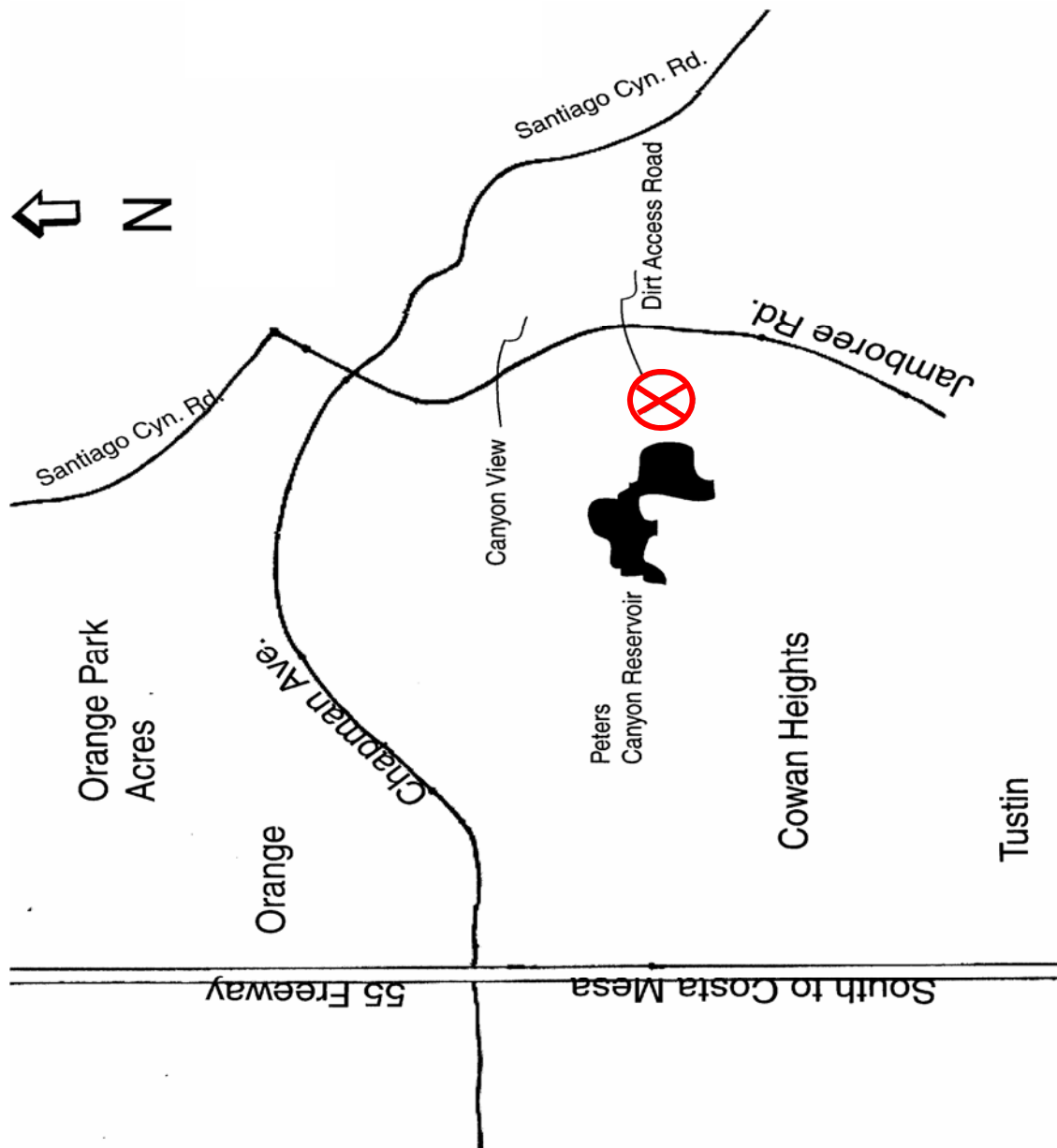
5.7.1 WEROC NORTH EOC (ORANGE) MAP

9737 Peters Canyon Road Orange, CA 92667

Phone: (714) 288-8200

Fax: (714) 288-8206

(Entrance is a dirt road found on the west side of Jamboree Rd.)



5.8 ADMINISTRATION CODE 1103 CHAPTER 8 CONTRACTS EXHIBIT A

Exhibit A

AUTHORIZATION PROCEDURES FOR PURCHASES, CONTRACTS, AND CONSULTING & PROFESSIONAL SERVICES

TABLE 1 – REGULAR SITUATIONS

Dollar Amount	Requires Preparation of	Signed By	Approving Authority
Up to \$3,000	<ul style="list-style-type: none"> 2 written quotes on purchases Selection based on qualifications for professional services 	Program Manager and Finance Manager	N/A
\$3,001-\$25,000**	<ul style="list-style-type: none"> Competitive bidding process on purchases Competitive proposals on professional services contracts (unless justification for sole source services is provided) 	Program Manager and GM	N/A
Over \$25,000	<ul style="list-style-type: none"> Request for competitive proposals or bidding appropriate 	General Manager	Committee and Board of Directors

*Any aggregate work that will exceed \$25,000 for any one consultant over a one year period requires a report of activities to be presented to the appropriate Committee and the Board of Directors for the work to be authorized.

**The General Manager shall have the authority to authorize Change Orders up to 10% or \$10,000, of the original authorization, whichever is greater, but in no event shall it exceed \$25,000, without Board approval.

Table 2- Emergency Situations**

Dollar Amount	Requires Preparation of	Signed By	Approving Authority
Up to \$100,000	Purchase Order/Agreement or Contract	General Manager	Board ratification at next regular meeting or earliest special meeting
Over \$100,000	Agreement or Contract	General Manager	Board of Directors

**Events requiring immediate extraordinary action to protect public health, safety, welfare and property (see §1307)

[illegible]

5.9.1 OPERATIONAL AREA INITIAL DAMAGE REPORT FORM

<input type="checkbox"/> This is a drill	<input type="checkbox"/> This is NOT a drill
OPERATIONAL AREA REQUEST FOR JURISDICTION STATUS REPORT FROM: ORANGE COUNTY SHERIFF DEPARTMENT/ EMERGENCY MANAGEMENT	
***IMMEDIATE RESPONSE REQUIRED FROM EMERGENCY SERVICES COORDINATOR ***	
Due to: _____ (emergency) the Operational Area EOC has been activated as of Date: _____ Time: _____	
Acknowledgement of this report and the following MANDATORY INFORMATION is needed by the Operational Area EOC	
Jurisdiction Name: _____	
Date: _____	Time: _____
Contact Name: _____	Title: _____ Phone: _____
24 Hr Contact: _____	Title: _____ Phone: _____
YOUR JURISDICTION'S EOC: <input type="checkbox"/> HAS <u>NOT</u> BEEN ACTIVATED <input type="checkbox"/> HAS BEEN ACTIVATED	
If your jurisdiction HAS BEEN impacted please continue completing this form	
Overall Impact: _____	<input type="checkbox"/> Routine (green) <input type="checkbox"/> Minor (yellow) <input type="checkbox"/> Moderate (red) <input type="checkbox"/> Major (black)
Prognosis: _____	<input type="checkbox"/> No Change <input type="checkbox"/> Improving <input type="checkbox"/> Worsening
Number of Deaths: _____	Number of Injuries: _____
Number of Missing: _____	Number of Evacuated: _____
Brief Description of the Status: _____	
THE FOLLOWING RESOURCES OR MUTUAL AID ARE:	
NEEDED:	AVAILABLE:
<input type="checkbox"/> Shelter Human-Animal <input type="checkbox"/> Building Inspectors <input type="checkbox"/> Staff EOC-Shelter-School <input type="checkbox"/> Transportation <input type="checkbox"/> Medical-Mental Health <input type="checkbox"/> Dispatchers-Call Takers <input type="checkbox"/> Public Works <input type="checkbox"/> Public Information Officer	<input type="checkbox"/> Shelter Human-Animal <input type="checkbox"/> Building Inspectors <input type="checkbox"/> Staff EOC-Shelter-School <input type="checkbox"/> Transportation <input type="checkbox"/> Medical-Mental Health <input type="checkbox"/> Dispatchers-Call Takers <input type="checkbox"/> Public Works <input type="checkbox"/> Public Information Officer
(Submit a Resource Request Form or contact the OA) (OA will contact you as resources are needed)	
FAX IMMEDIATELY TO THE OA EOC Fax: 714-628-7115 General Phone: (714) 628-7055 – Activation Phone: (714) 628-7060 CONTROL ONE SUPERVISOR/ 24 Hour Contact Phone: (714) 628-7008 Monitor Your EOC To EOC Radio	
Instructions: Submit this form once, then send the Jurisdiction Situation Report(s) as needed.	
..... Sit. Stat. Recorded _____ Sit. Stat. Plotted _____ Sit. Stat. Mapped _____ Sit. Stat. Filed _____ cc: Logistics _____	

Jurisdiction Status Report Orange County Sheriff Department/ Emergency Management Last update: 3/8/2002 Form # J-1

5.9.2 Section Unity Activity Logs

Name/Function

This IS / IS NOT a Drill (Circle One)

[illegible]

5.10 List of WEROC Member Agencies

Anaheim	Brea	Buena Park
Costa Mesa Sanitary District	East Orange County Water District	El Toro Water District
Fountain Valley	Fullerton	Garden Grove
Golden State Water Company	Huntington Beach	Irvine Ranch Water District
La Habra	La Palma	Laguna Beach County Water District
Mesa Water District	Midway Sanitary District	Moulton Niguel Water District
Municipal Water District Of Orange County	Newport Beach	Orange
Orange County Sanitation District	Orange County Water District	San Clemente
San Juan Capistrano	Santa Ana	Santa Margarita Water District
Seal Beach	Serrano Water District	South Orange County Wastewater Authority
South Coast Water District	Trabuco Canyon Water District	Westminster
Yorba Linda Water District		

5.11 MWDOC/OCWD Automated Security Gate Manual Opening Procedures

These instructions can be used to manually open the automated security gates found at both the Ward Street entrance/exit and the Ellis Avenue exit. Do not attempt to close the gates after opening, OCWD staff will ensure gates are properly reset.

If in need of additional assistance contact OCWD On-Call staff at (714) 378-3240. Also, when it is known that MWDOC staff will be working afterhours or weekends it is good practice to notify the OCWD Control Room at extension 3240.





Section 6: References

April 2017

6.1 SEMS/NIMS/ICS

6.1.1 STANDARDIZED EMERGENCY MANAGEMENT SYSTEM (SEMS)

As a result of losing his home in the 1991 Oakland Hills firestorm and noticing a lack of coordination among public response agencies, Senator Petris introduced legislation to standardize emergency response and encourage coordinated efforts among public agencies. In 1992, the Governor signed the Petris legislation which required the development and use of the Standardized Emergency Management System (SEMS) by December 1996. The framework of SEMS as specified in the Petris legislation includes the Incident Command System (ICS), the Multi-Agency Coordination System (MACS), mutual-aid systems, and the Operational Area concept.

MWDOC, WEROC, cities and water agencies will use SEMS by December 1996. Therefore, with a good understanding of SEMS, MWDOC employees will be able to work for a variety of public agencies effectively during emergency/disaster responses.

SEMS provides a common management system and terminology and coordination of jurisdictions and resources involved in responding to incidents.

There are five response levels of SEMS:

- Field Response
- Local Government
- Operational Area
- Regional
- State

The response levels are briefly described below:

Field:

Where emergency response personnel and resources, under the command of an appropriate authority, carry out tactical decisions and activities in direct response to an incident. Many times these activities are coordinated at an Incident Command Center (ICC) very near to the incident.

Local:

Manages and coordinates the overall emergency response and recovery activities within their jurisdiction. This activity usually occurs within the local jurisdiction's Emergency Operations Center (EOC) some distance from the incident. MWDOC is a local agency without responsibility for water facilities.

Operational:

Manages and coordinates information, resources and priorities among local jurisdictions within the County and serves as a communication link between the local and regional levels. WEROC serves as an Operational Area for Orange County water, coordinating with the Orange County Operational Area and Metropolitan.

Regional:

Manages and coordinates information and resources among operational areas within the mutual aid region. The State has been divided into six mutual aid regions. The Orange County Operational Area is in Region 1.

State:

Manages State resources in response to the emergency needs of the other levels and coordinates mutual aid among the Regions and serves as the communication link to

6.1.2 NATIONAL INCIDENT MANAGEMENT SYSTEM (NIMS)

Homeland Security Presidential Directive (HSPD) 5 directed the U.S. Department of Homeland Security (USDHS) to lead a coordinated national effort with other Federal departments and agencies and State, local, and tribal governments to establish a National Response Plan (NRP) and a National Incident Management System (NIMS).

NIMS provides a consistent nationwide approach for Federal, State, local, and tribal governments; the private-sector, and nongovernmental organizations to work effectively and efficiently together to prepare for, respond to, and recover from domestic incidents, regardless of cause, size, or complexity. To provide for interoperability and compatibility among Federal, State, local, and tribal capabilities, the NIMS includes a core set of concepts, principles, and terminology. HSPD 5 identifies these as the Incident Command System (discussed below); multi-agency coordination systems; training; identification and management of resources (including systems for classifying types of resources); qualification and certification; and the collection, tracking, and reporting of incident information and incident resources.

The SEMS and NIMS are compatible management systems. MWDOC recognizes these policies and utilizes the SEMS/NIMS as a basis for the Incident Command System (ICS) structure. The SEMS/NIMS create a standard incident management system that is scalable and modular, and can be used in incidents of any size-complexity. The SEMS/NIMS incorporate such principles as Unified Command (UC) and Area Command (AC), ensuring further coordination for incidents involving multiple jurisdictions or agencies at any level of government.

6.1.3 INCIDENT COMMAND SYSTEM (ICS)

The basics of ICS are used in SEMS/NIMS. The five basic functions are:

Command, Operations, Planning/Intelligence, Logistics, Finance

These five basic functions are used in the five levels of response to manage incidents. One response person may assume the responsibilities for more than one function. The functions required to be activated depends on the scope of the incident.

The following is a brief description of the responsibilities of each function.

Command:

Overall responsibility for the management of the response.

Operations:

Responsible for all tactical command and coordination of incident response.

Planning:

Provides organizational focus for all information or intelligence relative to the incident. Planning has the primary responsibility for the Action Plan to be developed in coordination with the other functions.

Logistics:

Responsible for providing all personnel, materials, etc. required to control the situation or support the response structure.

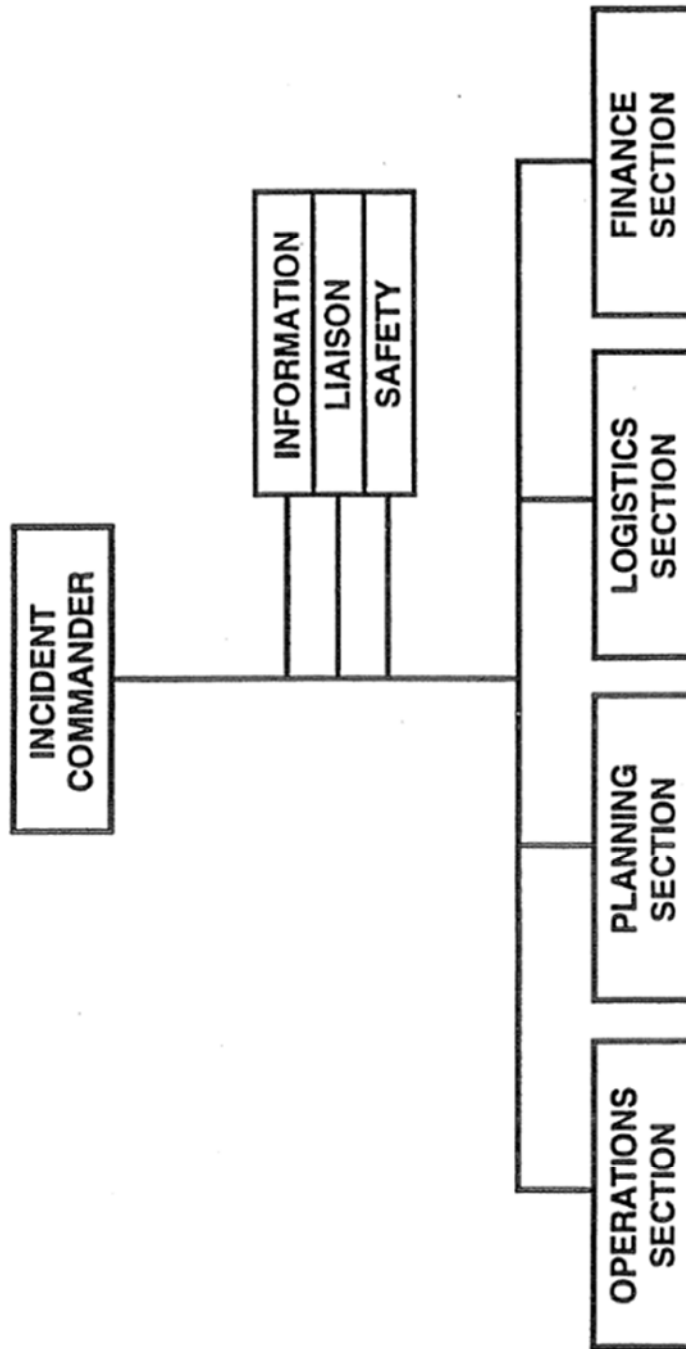
Finance:

Handle all the financial aspects of an operation, may also include handling claims information. This element is often not staffed until (too) late in the response.

The adoption of SEMS & NIMS creates a more organized system of information flow which can avoid duplication of requests for assistance and ensure a more coordinated and timely response to the effects of a disaster.

These are merely the basics regarding SEMS/NIMS/ICS. The appropriate SEMS/NIMS/ICS training, e.g. IS-100 *Basic Incident Command System* and IS-700 *National Incident Management System*, or the equivalent, will be provided to all responders, commensurate with individual responsibilities. If you have any questions about SEMS/NIMS/ICS, contact the WEROC Programs Coordinator.

INCIDENT COMMAND SYSTEM



INCIDENT COMMAND SYSTEM (ICS): The combination of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure, with responsibility for the management of assigned resources to effectively accomplish stated objectives pertinent to an incident. (Generic ICS Curriculum Glossary)

TABLE 14.1

6.1.4 AUTHORITIES

The following provide emergency authorities for conducting and/or supporting emergency operations. When dictated by the situation, additional ordinances or other emergency regulations will be enacted by the MWDOC Board of Directors on behalf of its member agencies.

Federal

- Homeland Security Act of 2002
- Homeland Security Presidential Directive/HSPD 5, *Management of Domestic Incidents*.
- Homeland Security Presidential Directive/HSPD 8, *National Preparedness*.
- U.S. Department of Homeland Security (USDHS), *National Incident Management System (NIMS)*
- U.S. Department of Homeland Security (USDHS), *National Response Plan (NRP)*

State

- California Emergency Services Act (Chapter 7 of Division 1 of Title 2 of the Government Code)
- Standardized Emergency Management System (SEMS) Government Code Section 8607.
- California Natural Disaster Assistance Act (Chapter 7.5 Division 1 of Title 2 of the Government Code).
- Orders and Regulations which may be Selectively Promulgated by the Governor during a **State of Emergency**.

Local

- County of Orange Resolution, November 28, 1950, adopting the California Master Mutual Aid Agreement
- WEROC Indemnification Agreement, December 19, 1994 by and between MWDOC
- General Manager's Emergency Expenditure Authority (Administration Code 1307 General Manager Section a. 6)
- Operational Area Agreement of the County of Orange and Political Subdivisions (to include Special Districts) October 3, 1995
- Resolution No. 1776, Approving the Adoption and Integration of the National Incident Management System into the Current MWDOC Emergency Preparedness and Response Program.
- §1103 Emergency Meeting Procedures
- Authorization Procedures for Purchases, Contracts, and Consulting & Professional Services (Administration Code Chapter 8, Contracts, Exhibit A)

6.1.5 CA STATE GOVERNMENT CODE SECTION 8607

Article 9.5 - Disaster Preparedness

8607. Standardized emergency management system

(a) By December 1, 1993, the Office of Emergency Services, in coordination with all interested state agencies with designated response roles in the state emergency plan and interested local emergency management agencies shall jointly establish by regulation a standardized emergency management system for use by all emergency response agencies. The public water systems identified in Section 8607.2 may review and comment on these regulations prior to adoption. This system shall be applicable, but not limited to, those emergencies or disasters referenced in the state emergency plan. The standardized emergency management system shall include all of the following systems as a framework for responding to and managing emergencies and disasters involving multiple jurisdictions or multiple agency responses:

- (1) The Incident Command Systems adapted from the systems originally developed by the FIREScope Program, including those currently in use by state agencies.
- (2) The multiagency coordination system as developed by the FIREScope Program.
- (3) The mutual aid agreement, as defined in Section 8561, and related mutual aid systems such as those used in law enforcement, fire service, and coroners operations.
- (4) The operational area concept, as defined in Section 8559.

(b) Individual agencies' roles and responsibilities agreed upon and contained in existing laws or the state emergency plan are not superseded by this article.

(c) By December 1, 1994, the Office of Emergency Services, in coordination with the State Fire Marshal's Office, the Department of the California Highway Patrol, the Commission on Peace Officer Standards and Training, the Emergency Medical Services Authority, and all other interested state agencies with designated response roles in the state emergency plan, shall jointly develop an approved course of instruction for use in training all emergency response personnel, consisting of the concepts and procedures associated with the standardized emergency management system described in subdivision (a).

(d) By December 1, 1996, all state agencies shall use the standardized emergency management system as adopted pursuant to subdivision (a), to coordinate multiple jurisdiction or multiple agency emergency and disaster operations.

(e) (1) By December 1, 1996, each local agency, in order to be eligible for any funding of response-related costs under disaster assistance programs, shall use the standardized emergency management system as adopted pursuant to subdivision (a) to coordinate multiple jurisdiction or multiple agency operations.

- (2) Notwithstanding paragraph (1), local agencies shall be eligible for repair, renovation, or any other nonpersonnel costs resulting from an emergency.

(f) The office shall, in cooperation with involved state and local agencies, complete an after-action report within 120 days after each declared disaster. This report shall review public safety response and disaster recovery activities and shall be made available to all interested public safety and emergency management organizations.

8607.1. Legislative intent

(a) It is the intent of the Legislature that a statewide system for fire hydrants be adopted so that all firefighters can respond to emergencies calling for the use of water at any location in the State of California. Without this statewide standardized system, the lives of firefighters and those they serve would be put in serious jeopardy in a mutual aid fire response effort stretching across city and county boundaries.

6.1.6 Resolution to Revise Continuity of Operations Plan

RESOLUTION NO. _____

**A RESOLUTION OF THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
ADOPTING THE REVISED MWDOC CONTINTUITY OF OPERATIONS PLAN**

WHEREAS, The Municipal Water District of Orange County (MWDOC) established the goal of developing and maintaining an emergency plan; and

WHEREAS, The California Code of Regulation Section 2401 has since established the Standardized Emergency Management System (SEMS), and the President of the United States in Homeland Security Directive (HSPD)-5, directed the Secretary of the Department of Homeland Security to develop and administer a National Incident Management System (NIMS), both of which standardize response to emergencies involving multiple jurisdictions or agencies; and

WHEREAS, Government Code Section 8607 required all political subdivisions to be in compliance with SEMS by December 1, 1996, to be eligible for reimbursement of emergency response personnel costs and now pursuant to the President's Executive Order, Homeland Security Directive (HSPD)-5, local governments are required to establish the NIMS as the standard for incident management by September 30, 2007; and

WHEREAS, with this revised emergency plan MWDOC continues to conform to State SEMS and now with Federal NIMS guidelines for emergency plan compliance; and

WHEREAS, MWDOC has determined that it is in the District's best interest and benefit to maintain a current emergency plan that meets emergency management best practices.

NOW, THEREFORE, BE IT RESOLVED the Board of Directors of Municipal Water District of Orange County hereby adopts the MWDOC Continuity of Operations Plan, dated December 2016.

Said resolution supersedes Resolution 1810 and was adopted on December __, 2016, by the following roll call:

AYES:

NOES:

ABSENT:

ABSTAIN:

I hereby certify the foregoing is a true and correct copy of Resolution No. ____ adopted by the Board of Directors of Municipal Water District of Orange County, at its meeting held on December __, 2016.

Maribeth Goldsby, Board Secretary
Municipal Water District of Orange County

6.2 Reverse Notification Systems

Below are the website links to Southern California Counties for their reverse notification systems. New county links updated 7/30/2014.

- Orange County:

www.alertoc.com

- Los Angeles County:

<http://www.lacounty.gov/emergency/alert-la>

- Riverside County:

<http://www.countyofriverside.us/emergencies/ews.html>

https://ucs.tfcci.com/cgi-bin/public/generic/riverside_county_ca_signup.cgi

- San Bernardino County:

<http://www.sbcounty.gov/SBCFire/Tens/TENSContact.aspx>

- San Diego County:

<http://www.readysandiego.org/alertsandiego/>

- Ventura County:

http://www.readyventuracounty.org/index.php?option=com_content&view=article&id=57&Itemid=11

- Santa Barbara County:

<http://www.sbsheriff.org/reverse911a.html>

- San Luis Obispo County:

<http://www.slocounty.ca.gov/OES/Reverse911.htm>

- Imperial County:

<http://www.imperialvalleyreverse911.com/PhonesR911.asp>

- Mono County:

[https://cne.coderedweb.com/Default.aspx?groupid=4%2fcfmFs%2fJlkP7wIIC
Tj%2b4w%3d%3d](https://cne.coderedweb.com/Default.aspx?groupid=4%2fcfmFs%2fJlkP7wIIC
Tj%2b4w%3d%3d)

- Inyo County: No System currently in place.

**Resource Via Verizon:*

http://www.verizon.com/about/community/ca_reverse911.htm

6.3 DISASTER WORKER OATH

(REQUIRED BY ARTICLE 20, SECTION 3, CALIFORNIA CONSTITUTION)

CALIFORNIA CONSTITUTION

ARTICLE 20 MISCELLANEOUS SUBJECTS

SEC. 3. Members of the Legislature, and all public officers and employees, executive, legislative, and judicial, except such inferior officers and employees as may be by law exempted, shall, before they enter upon the duties of their respective offices, take and subscribe the following oath or affirmation:

"I, _____, do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter. "

And no other oath, declaration, or test, shall be required as a qualification for any public office or employment.

"Public officer and employee" includes every officer and employee of the State, including the University of California, every county, city, city and county, district, and authority, including any department, division, bureau, board, commission, agency, or instrumentality of any of the foregoing.

Employee Signature _____ Date _____

6.4 **GLOSSARY of TERMS**

The glossary contains definitions of terms commonly used in the Standardized Emergency Management System (SEMS) and the National Incident Management System (NIMS). Becoming familiar with these terms will assist MWDOC Staff and individual water agency personnel in performing their specific function throughout the disaster operational period.

A Action Plan: The plan prepared in the EOC containing the emergency response objectives of a SEMS level i.e. State, County, Local (City or Special District), and reflecting overall priorities and supporting activities for a designated period. The Plan is prepared by the Planning / Intelligence Chief with support from Management & Section Chiefs. Once completed, the Plan is executed by the Operations Chief.

Activation: The necessary action(s) taken by the EOC Director(s) in making an EOC operational i.e. for WEROC, in support of Orange County water agencies responding to a major emergency or disaster, or by one or more water agencies in support of their own agency's response.

After Action Report: A report covering EOC activities / response actions, application of SEMS, modifications to plans and procedures, training needs, and recovery operations.

Area Command (AC): Area Command is an organization established (1) to oversee the management of multiple incidents that are being handled by an ICS organization or (2) to oversee the management of large or multiple incidents to which several Incident Management Teams have been assigned. Area Command has the responsibility to set overall strategies and priorities, allocate critical resources according to priorities, ensure that incidents are properly managed, and ensure that objectives are met and strategies followed. Area Command becomes Unified Area Command when incidents

are multi-jurisdictional Area Command may be established at an emergency operations center facility or at some location other than an incident command post.

C **Continuity of Operations Center (COOP):** The Policy Group, Finance/IT Recovery Section, and the Building Operations Recovery Section are components of the COOP.

Chain of Command: A series of management positions in order of authority.

Check-in: The process whereby pre-assigned EOC Staff “officially report in” to their EOC location for briefing and to assume a specific function following activation of the EOC.

Coordination: This can be either Multi-agency or Interagency. This process is found at all SEMS/NIMS levels and is the most efficient and cost effective way to meet specific objectives in support of the disaster response.

D **Deactivation:** The process of closing down EOC operations. This may be accomplished as one action or a series of actions i.e. section by section within the EOC by authority of the EOC Director. Deactivation will be initiated based upon the status of the disaster operation and water agency support needs.

Disaster: A sudden calamitous emergency event bringing great damage loss or destruction over a wide area affecting the entire population of one or more counties.

Documentation Unit: Functional unit within the Planning/Intelligence Section of the EOC responsible for collecting, recording and safeguarding all documents relevant to the EOC operational period.

E **Emergency:** A condition of extreme peril to the safety of persons and/or property caused by such conditions as fire, flood, hazardous material incident, sudden and severe energy shortage, etc. This condition may affect one or more water agencies but would not be considered on the level of a disaster.

Emergency Operations Center (EOC): A location from which centralized emergency management can be performed. EOC facilities are established by an agency or jurisdiction to coordinate the overall agency or jurisdictional response and support to an emergency or disaster.

Emergency Plan: The Plan that each agency or jurisdiction has developed and maintains for responding to appropriate hazards.

Emergency Response Agency: Any organization responding to an emergency, or providing mutual aid support to such an organization, whether in the field, at the scene of an incident, or to an emergency operations center.

Emergency Response Personnel: Personnel involved with an agency's response to an emergency.

Emergency Services Coordinator: The individual within each jurisdiction that is delegated the day-to-day responsibility for the development and maintenance of all emergency management coordination efforts.

EOC Director: The individual responsible for all response activities within the assigned EOC throughout the operational period.

F **Finance /Administration Section:** One of the five primary functions found at all SEMS levels which is responsible for all costs and financial considerations associated with an agency's disaster operation.

Function: Describes the activity involved, e.g., “the Operations function” for the five major EOC levels (Management, Operations, Planning/Intelligence, Logistics, and Finance/Admin.) used in the Incident Command System (ICS).

Incident Action Plan (IAP): An oral or written plan containing general objectives reflecting the overall strategy for managing an incident. It may include the identification of operational resources and assignments. It may also include attachments that provide direction and important information for management of the incident during one or more operational periods.

Incident Commander (IC): The individual responsible for the command of all functions at the field response level.

Incident Command Post (ICP): The location at which the primary command functions are executed. The ICP may be collocated with the incident base i.e. water district admin. headquarters or other incident base or other incident facilities.

Incident Command System (ICS): The nationally used standardized on-scene emergency management concept specifically designed to respond to single or multiple incidents without being hindered by jurisdictional boundaries. This system allows for facilities, equipment, personnel, procedures and communications to operate within a common organizational structure which is understood by all participants, in managing the incident.

Incident Objectives: Statements of guidance and direction for planning appropriate actions to be taken in response to the disaster situation(s). They are based on realistic expectations of what can be accomplished when all allocated resources have been effectively deployed. The EOC Action Plan utilizes Incident Objectives in formulating strategies and the movement of resources.

J Joint Information Center (JIC): A facility established to coordinate all incident-related public information activities. It is the central point of contact for all news media at the scene of the incident. Public information officials from all participating agencies should collocate at the JIC.

Joint Information System (JIS): Integrates incident information and public affairs into a cohesive organization designed to provide consistent, coordinated, timely information during crisis or incident operations. The mission of the JIS is to provide a structure and system for developing and delivering coordinated interagency messages; developing, recommending, and executing public information plans and strategies on behalf of the incident commander (IC); advising the IC concerning public affairs issues that could affect a response effort; and controlling rumors and inaccurate information that could undermine public confidence in the emergency response effort.

Jurisdiction: The range or sphere of authority. Public agencies have jurisdiction at an incident related to their legal responsibilities and authority for incident mitigation. Jurisdictional authority at an incident can be political / geographical (e.g., special district, city, county, state or federal boundary lines), or functional (e.g., police department, health department, etc.)

Jurisdictional Agency: The agency having jurisdiction and responsibility for a specific geographical area, or a mandated function.

L Liaison: A member of the EOC Management Staff responsible for coordinating with representatives from cooperating and assisting agencies i.e. designated WEROC EOC Staff serve as liaison at the County Operational Area (O.A.) EOC.

Logistics Section: One of the five primary functions found at all SEMS levels responsible for identifying and providing services and materials needed in support of the operation.

M **Mutual Aid:** Mutual Aid occurs when two or more parties (or agencies) agree to furnish resources, services, personnel, facilities, etc., to each other in support of the emergency or disaster response. Mutual Aid among agencies is best carried out when pre-disaster Mutual Aid Agreements are prepared, specifying what resources are on hand, how they will be made available to the requesting agency, reimbursement costs involved, etc.

Multi-Agency or Inter-agency Coordination: The participation of agencies and disciplines involved at any level of the SEMS organization working together in a coordinated effort to facilitate decisions for overall emergency response activities.

N **National Incident Management System (NIMS):** A system mandated by HSPD 5 that provides a consistent nationwide approach for Federal, State, local, and tribal governments; the private-sector, and nongovernmental organizations to work effectively and efficiently together to prepare for, respond to, and recover from domestic incidents, regardless of cause, size, or complexity. To provide for interoperability and compatibility among Federal, State, local, and tribal capabilities, the NIMS includes a core set of concepts, principles, and terminology. HSPD 5 identifies these as the ICS; multiagency coordination systems; training; identification and management of resources (including systems for classifying types of resources); qualification and certification; and the collection, tracking, and reporting of incident information and incident resources.

National Response Plan (NRP): The National Response Plan is an all-discipline, all-hazards plan that establishes a single, comprehensive

framework for the management of domestic incidents. It provides the structure and mechanisms for the coordination of Federal support to State, local and tribal incident managers and for exercising direct Federal authorities and responsibilities.

O **Operational Area (OA):** An intermediate level of the state emergency organization, consisting of a county and all political subdivisions within the county area.

Operational Duties: Pre-assigned tasks (usually in checklist form) to be performed by a specific function / unit at the incident or in the EOC, in response to the emergency or disaster.

Operational Period: The period of time scheduled for execution of a given set of operation actions as specified in the Incident or EOC Action Plan. Operational Periods can be of various lengths, although usually not over 24 hours.

Operations Section: One of the five primary functions found at all SEMS levels. This Section is responsible for all tactical operations at the incident or for the coordination of operational activities at an EOC. It may be supported by branches or units with specific technical expertise as needed in response to the emergency situation.

P **Planning / Intelligence Section:** One of the five primary functions found at all SEMS levels. Responsible for the collection, evaluation, and dissemination of information related to the emergency or disaster, and for the preparation and documentation of Incident or EOC Action Plans. This Section may include Situation Status i.e. Runners & Plotters, Communications, and Documentation units.

Public Information Officer (PIO): The function at field or EOC level that is responsible for preparing public information releases and interacting with the media throughout the operational period. At the WEROC EOC level, this function provides assistance to the WEROC member agencies in their public information efforts.

S Safety Officer: The function at the field or EOC level responsible for monitoring and assessing safety hazards or unsafe conditions, and for developing measures for ensuring personnel safety. At the EOC level, this function reports directly to the EOC Director but may coordinate duties with other functions. This function may have additional staff assigned to it.

Security Officer: The function at the field or EOC level responsible for maintaining a security perimeter, handling EOC staff check-in/check-out procedures and other related duties as assigned by the Incident Commander or EOC Director during the operational period. If necessary and practical, this function may be combined with the Safety Officer function. It may also have additional staff assigned to it.

Section: The organization level responsible for a major functional area within the EOC, i.e., Operations, Planning/Intelligence, Logistics, Finance/Admin.

Special Districts: A unit of local government i.e. Water, School, Sanitation, Cemetery Districts, etc. These districts are part of the State Emergency Organization and as such, coordinate with the Orange County Operational Area (O.A.) and all political subdivisions i.e. incorporated Cities, in supporting disaster preparedness and response activities.

Standardized Emergency Management System (SEMS): A system required by California Government Code for managing response to multi-agency and multi-jurisdictional emergencies in California. SEMS consists of

five organizational levels which are activated as necessary: Field Response, Local Government, Operational Area, Region, and State.

Start-up Actions: These can be either general, or specific to a particular function at the incident or in the EOC. **General** Start-up Actions are those taken by the first personnel to arrive. **Specific** Start-up Actions are those related to a particular function.

U Unified Command (UC): An application of ICS used when there is more than one agency with incident jurisdiction or when incidents cross political jurisdictions. Agencies work together through the designated

Unit: An organizational element having functional responsibility at the incident or in the EOC. Units operate under the direction of a Section Chief.

**ACTION ITEM**

April 19, 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: AB 1667 (Friedman) – Urban Water Suppliers: Landscape Water Meters**STAFF RECOMMENDATION**

Staff recommends the Board of Directors vote to adopt an oppose position on AB 1667 (Friedman).

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

AB 1667 would require an urban water supplier to install dedicated landscape water meters on commercial, institutional, industrial, and multifamily service connections that are located in its service area on or before January 1, 2020, if the property has greater than 1,000 square feet of irrigated landscape, and on or before January 1, 2025, if the property has greater than 500, but less than 1,001, square feet of irrigated landscape. The bill would require an urban water supplier to install dedicated landscape water meters on single-family residential service connections that are located in its service area on or before January 1, 2030, if the property has greater than 5,000 square feet of irrigated landscape.

The bill would authorize an urban water supplier to waive these requirements for a customer that, before January 1, 2018, has installed one or more separate submeters that exclusively measure all water usage for irrigated landscape and that agrees to provide water

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core x	Choice __
Action Item Amount: None			
Fiscal Impact (explain if unbudgeted):			

consumption data recorded by the submeter at least annually to the urban water supplier. This bill would exempt from these requirements a service connection where a separate water meter for landscape purposes is required by existing law as a condition of new retail water service.

ARGUMENTS IN SUPPORT

AB 1667 was introduced in response to Governor Brown's extended mandatory urban water-use conservation orders through Executive Order (EO) B-37-16. The Executive Order requires the State Water Resources Control Board and Department of Water Resources, in consultation with other state agencies, to develop a proposal to achieve a mandatory reduction in potable water usage that builds on the mandatory twenty-five percent reduction called for in EO B-29-15, California's first mandatory water-use conservation requirements, and lessons learned in 2016.

The 2017 legislative session has seen an introduction of a number of bills that seek to implement the draft report and the Governor's vision in EO B-37-16. Though the draft report makes no direct recommendation to install meters as specified in AB 1667, this bill may assist California in meeting the next iteration of long-term water use efficiency targets.

ARGUMENTS IN OPPOSITION

AB 1667 would require the installation of thousands of dedicated landscape meters, despite compliance by many of these landscapes with California's Model Water Efficient Landscaping Ordinance. In many cases, the installation of dedicated landscape meters would require retrofitting the onsite plumbing to completely separate and isolate the indoor and outdoor plumbing, passing the costs of this bill beyond the meter.

While well intentioned, this measure will be very costly to water providers and their customers who would require the installation and on-going costs of an additional meter.

COMMENTS

AB 1667 is scheduled to be heard in the Assembly Water, Parks and Wildlife Committee on April 25, 2017.

DETAILED REPORT

The full text of AB 1667 is attached.

ASSEMBLY BILL

No. 1667

Introduced by Assembly Member Friedman

February 17, 2017

An act to add Section 536 to the Water Code, relating to water meters.

LEGISLATIVE COUNSEL'S DIGEST

AB 1667, as introduced, Friedman. Urban water suppliers: landscape water meters.

Existing law, the Water Measurement Law, generally requires the installation of a water meter as a condition of new water service on and after January 1, 1992. The law, with certain exceptions, requires an urban water supplier to install water meters on all municipal and industrial service connections that are located in its service area on or before January 1, 2025. Existing law requires a water purveyor to require as a condition of new retail water service on and after January 1, 2008, the installation of separate water meters to measure the volume of water used exclusively for landscape purposes, as prescribed.

This bill would require an urban water supplier to install dedicated landscape water meters on commercial, institutional, industrial, and multifamily service connections that are located in its service area on or before January 1, 2020, if the property has greater than 1,000 square feet of irrigated landscape, and on or before January 1, 2025, if the property has greater than 500, but less than 1,001, square feet of irrigated landscape. The bill would require an urban water supplier to install dedicated landscape water meters on single-family residential service connections that are located in its service area on or before January 1, 2030, if the property has greater than 5,000 square feet of irrigated landscape. The bill would authorize an urban water supplier to waive

these requirements for a customer that, before January 1, 2018, has installed one or more separate submeters that exclusively measure all water usage for irrigated landscape and that agrees to provide water consumption data recorded by the submeter at least annually to the urban water supplier. This bill would exempt from these requirements a service connection where a separate water meter for landscape purposes is required by existing law as a condition of new retail water service.

Vote: majority. Appropriation: no. Fiscal committee: no.
State-mandated local program: no.

The people of the State of California do enact as follows:

- 1 SECTION 1. Section 536 is added to the Water Code, to read:
2 536. (a) An urban water supplier shall install dedicated
3 landscape water meters on service connections located within its
4 service area as follows:
5 (1) On or before January 1, 2020, on all commercial,
6 institutional, industrial, and multifamily service connections that
7 serve property with greater than 1,000 square feet of irrigated
8 landscape.
9 (2) On or before January 1, 2025, on all commercial,
10 institutional, industrial, and multifamily service connections that
11 serve property with greater than 500, but less than 1,001, square
12 feet of irrigated landscape.
13 (3) On or before January 1, 2030, on all single family residential
14 service connections that serve property with greater than 5,000
15 square feet of irrigated landscape.
16 (b) A water purveyor, including an urban water supplier, may
17 recover the cost of providing services related to the purchase,
18 installation, and operation of a water meter from rates, fees, or
19 charges.
20 (c) An urban water supplier may waive the requirements of this
21 section for a customer that meets both of the following conditions:
22 (1) Before January 1, 2018, has installed one or more separate
23 submeters that exclusively measure all water usage for irrigated
24 landscape.
25 (2) Agrees to provide water consumption data recorded by the
26 submeter at least annually to the urban water supplier.

- 1 (d) This section does not apply to a service connection with a
- 2 separate water meter installed to measure the volume of water used
- 3 exclusively for landscape purposes pursuant to Section 535.

O

**ACTION ITEM**

April 19, 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: AB 869 (Rubio) – Recycled Water Statutory Protections**STAFF RECOMMENDATION**

Staff recommends the Board of Directors vote to adopt a support position on AB 869 (Rubio).

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

This bill declares that recycled water is an efficient use of water, equivalent to other water use efficiency measures. It redefines recycled water to include recycled water that is used to offset potable demand, including recycled water supplied for nonpotable uses and recycled water supplied for potable reuse. The bill defines “potable reuse” as the “planned use of municipal wastewater that has gone through multiple barrier treatment processes to produce or supplement a drinking water supply that has an equivalent level of public health protection as other sources of water supply permitted under the California Safe Drinking Water Act.”

Significantly, the bill excludes from the calculation of any urban water use target or reduction in urban per capita water use recycled water delivered within the service area of an urban retail water supplier or its urban wholesale water supplier for either nonpotable or

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core x	Choice __
Action Item Amount: None		Line Item:	
Fiscal Impact (explain if unbudgeted):			

potable use or that replenishes a groundwater basin and supplements the groundwater supply available to an urban retail water supplier. Additionally, it would prohibit an urban retail water supplier from being required by a regulation to reduce the amount of recycled water it produces, sells, or distributes for beneficial potable or nonpotable uses at any time, including, but not limited to, during a period for which the Governor has issued a proclamation of a state of emergency under the California Emergency Services Act based on statewide or local drought conditions and during a water emergency condition pursuant to Water Code Section 350 et. seq.

BACKGROUND

Currently, legislation is being formulated by the Governor's Office to implement the draft long-term framework for water conservation that was developed by five state agencies, including the Department of Water Resources and the State Water Resources Control Board. The draft framework was released on Nov. 30, 2016, in response to the Governor's Executive Order B-37-16, which calls for making water conservation "a way of life" in California. Among the Executive Order's mandates is a requirement that DWR work with the State Board to develop new and tougher water use targets that build upon the existing requirement that the state achieve a 20 percent reduction in urban water usage by 2020. (SB 7X-7, 2009-2010.)

During the formulation of the draft framework, urban water agencies emphasized that recycling and reuse of water should be considered an efficient use of supplies and should not be "disincentivized" by including recycled water in new water use targets or in any future regulatory measures used as a drought response. The agencies consistently urged that recycled water be excluded from such calculations and measures.

It remains unclear whether this protection for recycled water will be included in legislation that is expected from the Governor's Office to implement Executive Order B-37-16. Initially, the agencies indicated the Governor's Office would initiate such legislation in February. Three spot bills have been identified as the vehicles for such legislation, but so far they have not been amended, which is consistent with the prevailing view that the language will take the form of a last-minute budget trailer bill.

Therefore, preemptive legislation is being developed, as well as a record of support for such legislation, and will be an important means of protecting the interests of urban water suppliers in preserving recycled water supplies.

ARGUMENTS IN SUPPORT

According to the author, AB 869 is needed to provide statutory protections for recycled water in the face of new long-term water conservation mandates. The bill was introduced as a preemptive measure to preserve investments made for recycled water usage. It is needed to ensure that recycled water is not subject to restrictions imposed for water use budgeting targets or to mitigate emergency drought conditions.

Potable reuse projects, whether through groundwater recharge or reservoir augmentation, are expensive but necessary to increase local drought-resilient supplies. In times of drought, ratepayers have the right to expect that they will be able to access and use their

local water supply. Without the statutory reassurances this bill would provide, local agencies are likely to question the wisdom of raising rates to pay for local supply, which could lead to continued reliance on outside supplies such as the Colorado River or the State Water Project. The redefinition of recycled water to include potable reuse is consistent with other changes in law recognizing both outdoor and indoor uses for recycled water.

- AB 869 protects and encourages the use of recycled water.
- The bill ensures that recycled water will be considered equivalent to other water use efficiency measures, such as conservation, when long-term water use efficiency standards and targets are developed. It ensures that if more stringent long-term water conservation targets are established for 2025 through statute or regulation, recycled water would be protected from such restrictions.
- Local agencies have invested heavily in recycled water systems, including infrastructure, to ensure the availability of this local water supply. Such supply development strengthens local drought resilience. AB 869 is necessary to protect these investments because mandatory reductions in usage would prevent agencies and ratepayers from receiving the benefits of such investments. Additionally, if ratepayers know that recycled supplies could be subject to future restriction, it would erode ratepayer willingness to invest in local recycled water projects.
- For coastal agencies, reduced recycled water use would result in increased ocean discharges. For inland agencies, if there is no place to discharge recycled water, costly new facilities may be required to prevent the waste of this resource through an outfall connection.
- The bill is in harmony with California's 2016 Water Action Update, which calls for the increased use of recycled water.
- The bill is in harmony with SBX7-7, the 2009 legislation that established the "20 by 2020" water use reduction requirement and specifically did not include recycled water. Why change course after years of investment and effort by public agencies?
- Recycled water is the ultimate form of water conservation because it decreases demand on potable water.

ARGUMENTS IN OPPOSITION

The analysis prepared before an April 4 hearing of the Assembly Committee on Environmental Safety and Toxic Materials cautioned that the bill represents a "blanket exemption" that could "tie the Governor's hands" in the event of a declared emergency during which the Governor might wish to order the reduction in the use of recycled water. The bill analysis suggests consideration of whether this prohibition is necessary and whether there are certain conditions that should be "called out as opposed to a blanket exemption."

Although opposition has been registered, specific comments were not available at the time this report was prepared.

COMMENTS

AB 869 was unanimously approved in the Assembly Environmental Safety and Toxic Materials Committee on April 5, 2017. It will next be heard in the Assembly Water, Parks and Wildlife Committee.

Support on File: Carlsbad Municipal Water District, City of Oceanside, City of Poway, Leucadia Wastewater District, North San Diego Water Reuse Coalition (coalition of 10 northern San Diego County water and wastewater agencies), Sycuan, Valley Center Municipal Water District, Vista Irrigation District.

Opposition on File: California Coastkeeper Alliance, Climate Resolve, Community Water Center, Environmental Justice Coalition for Water, Pacific Institute, National Resources Defense Council.

DETAILED REPORT

The full text of AB 869 is attached.

AMENDED IN ASSEMBLY MARCH 28, 2017

AMENDED IN ASSEMBLY MARCH 23, 2017

CALIFORNIA LEGISLATURE—2017–18 REGULAR SESSION

ASSEMBLY BILL

No. 869

Introduced by Assembly Member Rubio

February 16, 2017

An act to amend ~~Section~~ *Sections 10608.8 and 10608.12* of, and to add Section ~~10608.18~~ *13551.5* to, the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

AB 869, as amended, Rubio. Sustainable water use and demand reduction: recycled water.

(1) Existing law imposes various water use reduction requirements that apply to urban retail water suppliers, including a requirement that the state achieve a 20% reduction in urban per capita water use by December 31, 2020.

This bill would require recycled water delivered within the service area of an urban retail water supplier or its urban wholesale water supplier for either nonpotable or potable use or that replenishes a groundwater basin and supplements the groundwater supply available to an urban retail water supplier be excluded from ~~the calculation of any water use or water efficiency target established after 2020; the calculation of any urban water use target or reduction in urban per capita water use. The bill would state that for these purposes recycled water use is an efficient use of water and would require recycled water use to be considered equivalent to other water use efficiency measures.~~

(2) Existing provisions of the California Constitution declare the policy that the water resources of the state be put to beneficial use to

the fullest extent of which they are capable, that the waste or unreasonable use or unreasonable method of use of water be prevented, and that the conservation of these waters is to be exercised with a view to the reasonable and beneficial use of the waters in the interest of the people and for the public welfare. Existing law declares that the use of potable domestic water for certain nonpotable uses is a waste or an unreasonable use of water if recycled water is available, as determined by the State Water Resources Control Board, and other requirements are met.

This bill would prohibit an urban retail water supplier from being required by a regulation to reduce the amount of recycled water it produces, sells, or distributes for beneficial potable or nonpotable uses at any time.

(2)

(3) Existing law requires the Department of Water Resources to update every 5 years the plan for the orderly and coordinated control, protection, conservation, development, and use of the water resources of the state, which is known as The California Water Plan. Existing law requires the department, in consultation with the State Water Resources Control Board and with public input, no later than January 1, 2011, and updated as part of The California Water Plan, to propose new statewide targets, or review and update existing targets, for regional water resource management practices, including recycled water.

Existing law requires each agricultural water supplier to implement certain efficient water management practices if the measure is locally cost effective and technically feasible, including to facilitate the use of available recycled water that would otherwise not be used beneficially, that meets all health and safety criteria, and that does not harm crops or soils.

Existing law defines “recycled water,” for the above-described purposes and purposes under (1), as recycled water that is used to offset potable demand, including recycled water supplied for direct use and indirect potable reuse, that meets certain requirements.

This bill would redefine “recycled water” to also include recycled water supplied for nonpotable uses. The bill would define “potable reuse” for these purposes.

Vote: majority. Appropriation: no. Fiscal committee: yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 **SECTION 1.** *Section 10608.8 of the Water Code is amended*
2 *to read:*

3 10608.8. (a) (1) Water use efficiency measures adopted and
4 implemented pursuant to this part or Part 2.8 (commencing with
5 Section 10800) are water conservation measures subject to the
6 protections provided under Section 1011.

7 (2) Because an urban agency is not required to meet its urban
8 water use target until 2020 pursuant to subdivision (b) of Section
9 10608.24, an urban retail water supplier's failure to meet those
10 targets shall not establish a violation of law for purposes of any
11 state administrative or judicial proceeding prior to January 1, 2021.
12 Nothing in this paragraph limits the use of data reported to the
13 department or the board in litigation or an administrative
14 proceeding. This paragraph shall become inoperative on January
15 1, 2021.

16 (3) To the extent feasible, the department and the board shall
17 provide for the use of water conservation reports required under
18 this part to meet the requirements of Section 1011 for water
19 conservation reporting.

20 (b) This part does not limit or otherwise affect the application
21 of Chapter 3.5 (commencing with Section 11340), Chapter 4
22 (commencing with Section 11370), Chapter 4.5 (commencing with
23 Section 11400), and Chapter 5 (commencing with Section 11500)
24 of Part 1 of Division 3 of Title 2 of the Government Code.

25 (c) This part does not require a reduction in the total water used
26 in the agricultural or urban sectors, because other factors, including,
27 but not limited to, changes in agricultural economics or population
28 growth may have greater effects on water use. This part does not
29 limit the economic productivity of California's agricultural,
30 commercial, or industrial sectors.

31 (d) The requirements of this part do not apply to an agricultural
32 water supplier that is a party to the Quantification Settlement
33 Agreement, as defined in subdivision (a) of Section 1 of Chapter
34 617 of the Statutes of 2002, during the period within which the
35 Quantification Settlement Agreement remains in effect. After the
36 expiration of the Quantification Settlement Agreement, to the
37 extent conservation water projects implemented as part of the
38 Quantification Settlement Agreement remain in effect, the

1 conserved water created as part of those projects shall be credited
2 against the obligations of the agricultural water supplier pursuant
3 to this part.

4 *(e) For this part, recycled water use is an efficient use of water*
5 *and shall be considered equivalent to other water use efficiency*
6 *measures.*

7 *(f) This part shall exclude recycled water delivered within the*
8 *service area of an urban retail water supplier or its urban*
9 *wholesale water supplier for either nonpotable or potable use or*
10 *that replenishes a groundwater basin and supplements the*
11 *groundwater supply available to an urban retail water supplier*
12 *from the calculation of any urban water use target or reduction*
13 *in urban per capita water use.*

14 **SECTION 1.**

15 **SEC. 2.** Section 10608.12 of the Water Code is amended to
16 read:

17 10608.12. Unless the context otherwise requires, the following
18 definitions govern the construction of this part:

19 (a) “Agricultural water supplier” means a water supplier, either
20 publicly or privately owned, providing water to 10,000 or more
21 irrigated acres, excluding recycled water. “Agricultural water
22 supplier” includes a supplier or contractor for water, regardless of
23 the basis of right, that distributes or sells water for ultimate resale
24 to customers. “Agricultural water supplier” does not include the
25 department.

26 (b) “Base daily per capita water use” means at least one of the
27 following:

28 (1) The urban retail water supplier’s estimate of its average
29 gross water use, reported in gallons per capita per day and
30 calculated over a continuous 10-year period ending no earlier than
31 December 31, 2004, and no later than December 31, 2010.

32 (2) For an urban retail water supplier that meets at least 10
33 percent of its 2008 measured retail water demand through recycled
34 water that is delivered within the service area of an urban retail
35 water supplier or its urban wholesale water supplier, the urban
36 retail water supplier may extend the calculation described in
37 paragraph (1) up to an additional five years to a maximum of a
38 continuous 15-year period ending no earlier than December 31,
39 2004, and no later than December 31, 2010.

(3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.

(c) "Baseline commercial, industrial, and institutional water use" means an urban retail water supplier's base daily per capita water use for commercial, industrial, and institutional users.

(d) "Commercial water user" means a water user that provides or distributes a product or service.

(e) "Compliance daily per capita water use" means the gross water use during the final year of the reporting period, reported in gallons per capita per day.

(f) "Disadvantaged community" means a community with an annual median household income that is less than 80 percent of the statewide annual median household income.

(g) "Gross water use" means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, excluding all of the following:

(1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier.

(2) The net volume of water that the urban retail water supplier places into long-term storage.

(3) The volume of water the urban retail water supplier conveys for use by another urban water supplier.

(4) The volume of water delivered for agricultural use, except as otherwise provided in subdivision (f) of Section 10608.24.

(h) "Industrial water user" means a water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System code sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development.

(i) "Institutional water user" means a water user dedicated to public service. This type of user includes, among other users, higher education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions.

(j) "Interim urban water use target" means the midpoint between the urban retail water supplier's base daily per capita water use and the urban retail water supplier's urban water use target for 2020.

1 (k) “Locally cost effective” means that the present value of the
2 local benefits of implementing an agricultural efficiency water
3 management practice is greater than or equal to the present value
4 of the local cost of implementing that measure.

5 (l) “Process water” means water used for producing a product
6 or product content or water used for research and development,
7 including, but not limited to, continuous manufacturing processes,
8 water used for testing and maintaining equipment used in producing
9 a product or product content, and water used in combined heat and
10 power facilities used in producing a product or product content.
11 Process water does not mean incidental water uses not related to
12 the production of a product or product content, including, but not
13 limited to, water used for restrooms, landscaping, air-conditioning,
14 heating, kitchens, and laundry.

15 (m) “Recycled water” means recycled water, as defined in
16 subdivision (n) of Section 13050, that is used to offset potable
17 demand, including recycled water supplied for nonpotable uses
18 and recycled water supplied for potable reuse. “Potable reuse”
19 means the planned use of municipal wastewater that has gone
20 through multiple barrier treatment processes to produce or
21 supplement a drinking water supply that has an equivalent level
22 of public health protection as other sources of water supply
23 permitted under the California Safe Drinking Water Act (Chapter
24 4 (commencing with Section 116270) of Part 12 of Division 104
25 of the Health and Safety Code).

26 (n) “Regional water resources management” means sources of
27 supply resulting from watershed-based planning for sustainable
28 local water reliability or any of the following alternative sources
29 of water:

- 30 (1) The capture and reuse of stormwater or rainwater.
31 (2) The use of recycled water.
32 (3) The desalination of brackish groundwater.
33 (4) The conjunctive use of surface water and groundwater in a
34 manner that is consistent with the safe yield of the groundwater
35 basin.

36 (o) “Reporting period” means the years for which an urban retail
37 water supplier reports compliance with the urban water use targets.

38 (p) “Urban retail water supplier” means a water supplier, either
39 publicly or privately owned, that directly provides potable
40 municipal water to more than 3,000 end users or that supplies more

1 than 3,000 acre-feet of potable water annually at retail for
2 municipal purposes.

3 (q) "Urban water use target" means the urban retail water
4 supplier's targeted future daily per capita water use.

5 (r) "Urban wholesale water supplier," means a water supplier,
6 either publicly or privately owned, that provides more than 3,000
7 acre-feet of water annually at wholesale for potable municipal
8 purposes.

9 ~~SEC. 2. Section 10608.18 is added to the Water Code, to read:~~

10 ~~10608.18. Notwithstanding any other provision of this part,~~
11 ~~recycled water delivered within the service area of an urban retail~~
12 ~~water supplier or its urban wholesale water supplier for either~~
13 ~~nonpotable or potable use or that replenishes a groundwater basin~~
14 ~~and supplements the groundwater supply available to an urban~~
15 ~~retail water supplier shall be excluded from the calculation of any~~
16 ~~water use or efficiency target established for 2020 or beyond.~~

17 *SEC. 3. Section 13551.5 is added to the Water Code, to read:*

18 *13551.5. (a) It is the intent of the Legislature in enacting this*
19 *section to do all of the following:*

20 *(1) Encourage continued investment in water reuse as a means*
21 *to increase water supply reliability and diversification within the*
22 *state.*

23 *(2) Encourage new investment and protect existing local*
24 *investments made by urban water suppliers in drought resiliency*
25 *and drought resilient supplies, including recycled water and*
26 *potable reuse, in order to better prepare local communities and*
27 *the state for periods of drought and shortage.*

28 *(3) Expand the volume of water recycled to put to beneficial*
29 *use in the state through new investments in water recycling.*

30 *(4) Recognize that federal and state regulation of recycled water*
31 *requires efficient use of recycled water and prohibits overuse.*

32 *(5) Encourage local agencies to take steps to prepare for the*
33 *effects of climate change.*

34 *(b) An urban retail water supplier shall not be required by a*
35 *regulation to reduce the amount of recycled water it produces,*
36 *sells, or distributes for beneficial potable or nonpotable uses at*
37 *any time, including, but not limited to, during a period for which*
38 *the Governor has issued a proclamation of a state of emergency*
39 *under the California Emergency Services Act (Chapter 7*
40 *(commencing with Section 8550) of Division 1 of Title 2 of the*

1 *Government Code) based on statewide or local drought conditions*
2 *pursuant to Chapter 3.3 (commencing with Section 365) of Division*
3 *1 and during a water shortage emergency condition pursuant to*
4 *Chapter 3 (commencing with Section 350) of Division 1.*
5 *(c) For purposes of this section, “urban retail water supplier”*
6 *and “recycled water” have the same meanings as provided in*
7 *Section 10608.12.*

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**ACTION ITEM**

April 19, 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: AB 732 (Frazier) – Delta Levee Maintenance**STAFF RECOMMENDATION**

Staff recommends the Board of Directors vote to adopt an oppose position on AB 732 (Frazier).

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

AB 732 would make permanent the current 75% reimbursement rate for Sacramento-San Joaquin Delta (Delta) levee maintenance costs in excess of \$1,000 per mile. Specifically, this bill:

- 1) Eliminates the July 1, 2018, sunset on the current authorization of a 75% state cost-share in the Delta levee maintenance or improvement program.
- 2) Eliminates the effective date for returning to a 50% state cost-share.
- 3) Eliminates the July 1, 2018, sunset on advance reimbursement.

ARGUMENTS IN SUPPORT

By continuing the current cost share formula, AB 732 ensures that Delta reclamation districts can afford to maintain and improve Delta levees. Maintenance of the Delta levees

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core x	Choice __
Action Item Amount: none		Line Item:	
Fiscal Impact (explain if unbudgeted):			

is important to reduce flood risk and ensure the Delta can continue to serve its many valuable uses – as fertile farmland, a water conveyance, and a rich estuary ecosystem.

ARGUMENTS IN OPPOSITION

Like SB 554 (Wolk) from last year, AB 732 is an inappropriate attempt to permanently encumber the state general fund for levee maintenance responsibilities on private lands in the Sacramento-San Joaquin Delta. Of the 1,100 levee miles in the Delta, 730 miles are privately owned.

The Delta Levees Maintenance Subventions Program dates back to the 1990s. The Legislature's clear intent was to reduce the state's financial exposure on this program from 75 percent to 50 percent within 10 years. Various reasons have been advanced in since the enactment of the program, including AB 732 and others before it, to temporarily extend the subsidy level to 75 percent. In 2006, it was the Delta Risk Management Study that was not yet completed which called for an extension of the subsidy.

In 2012, it was the Delta Plan that was not yet completed (the Delta Stewardship Council's levee prioritization study still is unfinished) which was the justification for transitioning to the 50 percent subsidy in 2018. Now AB 732 seeks to extend the higher level of subsidy in perpetuity, in contradiction to the enacting legislation and rationales of previous temporary extensions.

COMMENTS

AB 732 is identical to SB 554 (Wolk) from 2016 without the 2020 sunset, which was passed by the Legislature and ultimately vetoed by Governor Brown. MWDOC, along with a number of other water districts opposed the Wolk bill last year.

This measure will be heard in the Assembly Water, Parks and Wildlife Committee on April 25, 2017.

DETAILED REPORT

The full text of AB 732 is attached.

AMENDED IN ASSEMBLY MARCH 23, 2017

CALIFORNIA LEGISLATURE—2017–18 REGULAR SESSION

ASSEMBLY BILL

No. 732

Introduced by Assembly Member Frazier

February 15, 2017

An act to amend ~~Section 12929.12 of, to amend and renumber the heading of Chapter 1.5 (commencing with Section 12306) of Part 4.8 of Division 6 of, and to repeal Chapter 1 (commencing with Section 12300) of Part 4.8 of Division 6 of, Section 12987.5 of, and to amend and repeal Section 12986 of,~~ the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

AB 732, as amended, Frazier. ~~Delta Flood Protection Fund. levee maintenance.~~

Existing law establishes a delta levee maintenance program pursuant to which a local agency may request reimbursement for costs incurred in connection with the maintenance or improvement of project or nonproject levees in the Sacramento-San Joaquin Delta. Existing law declares legislative intent to reimburse eligible local agencies under this program, until July 1, 2018, in an amount not to exceed 75% of those costs that are incurred in excess of \$1,000 per mile of levee. Existing law, until July 1, 2018, authorizes the board to provide funds to an eligible local agency under this program in the form of an advance in an amount that does not exceed 75% of the estimated state share.

This bill would extend indefinitely the operation of that declaration of legislative intent and the authorization to advance funds.

Existing law, on and after July 1, 2018, declares the intent of the Legislature to reimburse eligible local agencies under this program in an amount not to exceed 50% of those costs that are incurred in excess

of \$1,000 per mile of levee in any year for the maintenance and improvement of levees. Existing law, on and after July 1, 2018, declares the intent of the Legislature that the maximum total reimbursement under the program shall not exceed \$2,000,000 annually.

This bill would repeal these provisions.

~~Existing law established the Delta Flood Protection Fund in the State Treasury and states the intent of the Legislature to annually appropriate specified amounts of money in the fund to the Department of Water Resources for delta levee maintenance and delta flood protection projects. Existing law abolished the Delta Flood Protection Fund on July 1, 2010.~~

~~This bill would repeal obsolete provisions establishing the Delta Flood Protection Fund and would make conforming changes to existing law.~~

Vote: majority. Appropriation: no. Fiscal committee: ~~no~~ yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. Section 12986 of the Water Code, as amended by
2 Section 3 of Chapter 549 of the Statutes of 2012, is amended to
3 read:

4 12986. (a) It is the intent of the Legislature to reimburse an
5 eligible local agency pursuant to this part for costs incurred in any
6 year for the maintenance or improvement of project or nonproject
7 levees as follows:

8 (1) No costs incurred shall be reimbursed if the entire cost
9 incurred per mile of project or nonproject levee is one thousand
10 dollars (\$1,000) or less.

11 (2) Not more than 75 percent of any costs incurred in excess of
12 one thousand dollars (\$1,000) per mile of project or nonproject
13 levee shall be reimbursed.

14 (3) (A) As part of the project plans approved by the board, the
15 department shall require the local agency or an independent
16 financial consultant to provide information regarding the agency's
17 ability to pay for the cost of levee maintenance or improvement.
18 Based on that information, the department may require the local
19 agency or an independent financial consultant to prepare a
20 comprehensive study on the agency's ability to pay.

21 (B) The information or comprehensive study of the agency's
22 ability to pay shall be the basis for determining the maximum

allowable reimbursement eligible under this part. Nothing in this paragraph shall be interpreted to increase the maximum reimbursement allowed under paragraph (2).

(4) Reimbursements made to the local agency in excess of the maximum allowable reimbursement shall be returned to the department.

(5) The department may recover, retroactively, excess reimbursements paid to the local agency from any time after January 1, 1997, based on an updated study of the agency's ability to pay.

(6) All final costs allocated or reimbursed under a plan shall be approved by the Central Valley Flood Protection Board for project and nonproject levee work.

(7) Costs incurred pursuant to this part that are eligible for reimbursement include construction costs and associated engineering services, financial or economic analyses, environmental costs, mitigation costs, and habitat improvement costs.

(b) Upon completion of its evaluation pursuant to Sections 139.2 and 139.4, by January 1, 2008, the department shall recommend to the Legislature and the Governor priorities for funding under this section.

(c) Reimbursements made pursuant to this section shall reflect the priorities of, and be consistent with, the Delta Plan established pursuant to Chapter 1 (commencing with Section 85300) of Part 4 of Division 35.

~~(d) This section shall become inoperative on July 1, 2018, and, as of January 1, 2019, is repealed, unless a later enacted statute, that becomes operative on or before January 1, 2019, deletes or extends the dates on which it becomes inoperative and is repealed.~~

SEC. 2. Section 12986 of the Water Code, as amended by Section 2 of Chapter 549 of the Statutes of 2012, is repealed.

~~12986. (a) It is the intent of the Legislature to reimburse from the General Fund an eligible local agency pursuant to this part for costs incurred in any year for the maintenance or improvement of project or nonproject levees as follows:~~

~~(1) No costs incurred shall be reimbursed if the entire cost incurred per mile of levee is one thousand dollars (\$1,000) or less.~~

~~(2) Fifty percent of any costs incurred in excess of one thousand dollars (\$1,000) per mile of levee shall be reimbursed.~~

1 ~~(3) The maximum total reimbursement from the General Fund~~
2 ~~shall not exceed two million dollars (\$2,000,000) annually.~~

3 ~~(b) This section shall become operative on July 1, 2018.~~

4 *SEC. 3. Section 12987.5 of the Water Code is amended to read:*

5 12987.5. (a) In an agreement entered into under Section 12987,
6 the board may provide for an advance to the applicant in an amount
7 not to exceed 75 percent of the estimated state share. The
8 agreement shall provide that no advance shall be made until the
9 applicant has incurred costs averaging one thousand dollars
10 (\$1,000) per mile of levee.

11 (b) Advances made under subdivision (a) shall be subtracted
12 from amounts to be reimbursed after the work has been performed.
13 If the department finds that work has not been satisfactorily
14 performed or where advances made actually exceed reimbursable
15 costs, the local agency shall promptly remit to the state all amounts
16 advanced in excess of reimbursable costs. If advances are sought,
17 the board may require a bond to be posted to ensure the faithful
18 performance of the work set forth in the agreement.

19 ~~(c) This section shall become inoperative on July 1, 2018, and,~~
20 ~~as of January 1, 2019, is repealed, unless a later enacted statute,~~
21 ~~that becomes operative on or before January 1, 2019, deletes or~~
22 ~~extends the dates on which it becomes inoperative and is repealed.~~

23 ~~SECTION 1. Chapter 1 (commencing with Section 12300) of~~
24 ~~Part 4.8 of Division 6 of the Water Code is repealed.~~

25 ~~SEC. 2. The heading of Chapter 1.5 (commencing with Section~~
26 ~~12306) of Part 4.8 of Division 6 of the Water Code is amended~~
27 ~~and renumbered to read:~~

28
29 CHAPTER 1. GENERAL PROVISIONS
30

31 ~~SEC. 3. Section 12929.12 of the Water Code is amended to~~
32 ~~read:~~

33 12929.12. (a) It is the intent of the Legislature that sixty-five
34 million dollars (\$65,000,000) of the funds that may be transferred,
35 pursuant to paragraph (3) of subdivision (b) of Section 12937, to
36 the California Water Fund from the California Water Resources
37 Development Bond Fund, shall be appropriated to the
38 Environmental Water Fund. It is the intent of the Legislature,
39 subject to subdivision (b), to appropriate to the Environmental
40 Water Fund one million dollars (\$1,000,000) in the 1990-91 fiscal

1 year and eight million dollars (\$8,000,000) per year in fiscal years
2 1991-92 to 1998-99, inclusive. However, the director, in
3 consultation with the Department of Finance, may accelerate
4 payments to the California Water Fund for appropriation to the
5 Environmental Water Fund if the director deems it appropriate to
6 do so.

7 (b) It is the further intent of the Legislature that if the director
8 determines that all or any portion of the amount that would
9 otherwise be appropriated in any fiscal year to the Environmental
10 Water Fund in accordance with subdivision (a) is required for
11 continued construction of the State Water Resources Development
12 System pursuant to Section 12938, the entire amount that would
13 otherwise be appropriated to the Environmental Water Fund for
14 that fiscal year shall be reduced accordingly. It is also the intent
15 of the Legislature that any reduction in funds appropriated to the
16 Environmental Water Fund pursuant to this subdivision be made
17 up from funds transferred to the California Water Fund pursuant
18 to paragraph (3) of subdivision (b) of Section 12937 in subsequent
19 fiscal years.

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**ACTION ITEM**

April 19, 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: AB 791, AB 792 and AB 793 (Frazier) – Delta Region Measures**STAFF RECOMMENDATION**

Staff recommends the Board of Directors vote to adopt an oppose position on AB 791, 792 and 793 (Frazier).

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

These bills are presented as a package as they all have the same focus and have been packaged together by the supporters and opponents alike.

AB 791 would impose new requirements on the “lead agency” (presumably the CA Department of Resources (DWR), as the lead agency under the California Environmental Quality Act) to provide certain information about the costs and benefits of the new water delivery system improvements on a water-contractor-by-water-contractor basis before any water contractor could enter any contracts to fund design, construction and mitigation.

AB 792 would prohibit the Delta Stewardship Council from granting a “certification of consistency” with the Delta Plan until the State Water Resources Control Board (SWRCB) has completed its update of the Water Quality Control Plan for the Bay-Delta Estuary.

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core x	Choice __
Action Item Amount: None		Line Item:	
Fiscal Impact (explain if unbudgeted):			

AB 793 would declare it to be state policy that the “existing state” of the Sacramento-San Joaquin Delta is recognized and defined as an integral component of California’s water infrastructure.

ARGUMENTS IN SUPPORT

Legislators in the Delta region are working to maintain a united voice on important issues affecting the area. Announcing the formation of the Delta Caucus, Senator Bill Dodd said, “Ensuring a vibrant and sustainable Delta is critical for our region and the entire state. We will be fighting to protect this precious resource and region for our residents, visitors and wildlife.” This suite of bills works toward that goal.

ARGUMENTS IN OPPOSITION

AB 791 and AB 792 could delay the construction of the California WaterFix by several years with no added benefit to the public process or environment. AB 791 is unnecessary as existing law states that such contracts or other arrangements to pay for new Delta conveyance infrastructure are a prerequisite to start construction. In addition, each public water agency that will fund the WaterFix has every incentive to determine the costs and benefits to its members or ratepayers and reach decisions in light of those analyses. Those agencies should each make their own decisions based on their particular customer needs and risk assessment, not the “lead agency” or DWR.

AB 792 transforms the Delta Stewardship Council into a permitting agency for the California WaterFix – something the Legislature specifically declined to do when it passed the Delta Reform Act of 2009.

AB 793 does not define the “existing state” of the Delta. If there is a natural disaster and the current existing state of the Delta changes, do we change it back or is that the new “existing state?” Establishing this vague terminology in statute that the Sacramento-San Joaquin Delta is an integral component of California’s water infrastructure and recognizing the importance of protection the water quality for multiple uses with benefits throughout the state sets a dangerous precedent. In addition, it is unclear what financing would be available for water collection or water treatment “infrastructure” that is not available to any other infrastructure. The intent of this bill may be to enable the state to charge a “Delta User Fee” because the Delta as a whole would be considered a “water collection facility.”

COMMENTS

All three bills were scheduled for a hearing in the Assembly Water, Parks and Wildlife Committee on March 30, however were pulled by the author. They are now scheduled to be heard on April 25, 2017.

DETAILED REPORT

The full text of AB 791, 792 and 793 is attached.

AMENDED IN ASSEMBLY MARCH 21, 2017

CALIFORNIA LEGISLATURE—2017–18 REGULAR SESSION

ASSEMBLY BILL

No. 791

Introduced by Assembly Member Frazier

February 15, 2017

An act to amend Section 85089 of the Water Code, relating to the Sacramento-San Joaquin Delta.

LEGISLATIVE COUNSEL'S DIGEST

AB 791, as amended, Frazier. Sacramento-San Joaquin Delta: State Water Project and federal Central Valley Project: new conveyance facility.

Existing law, the Sacramento-San Joaquin Delta Reform Act of 2009, prohibits construction of a new Delta conveyance facility from being initiated until the persons or entities that contract to receive water from the State Water Project and the federal Central Valley Project or a joint powers authority representing those entities have made arrangements or entered into contracts to pay for certain costs required for the construction, operation, and maintenance of the facility and full mitigation of property tax or assessments levied for land used in the construction, location, mitigation, or operation of the facility.

This bill would ~~make nonsubstantive changes in these provisions:~~ *require, before a water contractor enters into a contract to pay for these costs, that the lead agency provide the breakdown of costs for each water contractor entering into a contract and what benefits each contractor will receive based on the proportion it has financed of the proposed conveyance project.*

Vote: majority. Appropriation: no. Fiscal committee: ~~no~~-yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

SECTION 1. Section 85089 of the Water Code is amended to read:

85089. (a) Construction of a new Delta conveyance facility shall not be initiated until the persons or entities that contract to receive water from the State Water Project and the federal Central Valley Project or a joint powers authority representing those entities have made arrangements or entered into contracts to pay for both of the following:

(1) The costs of the environmental review, planning, design, construction, and mitigation, including mitigation required pursuant to Division 13 (commencing with Section 21000) of the Public Resources Code, required for the construction, operation, and maintenance of any new Delta water conveyance facility.

(2) Full mitigation of property tax or assessments levied by local governments or special districts for land used in the construction, location, mitigation, or operation of new Delta conveyance facilities.

(b) Before a water contractor enters into a contract to pay for the costs described in subdivision (a), the lead agency shall provide both of the following:

(1) The breakdown of costs for each water contractor entering into a contract.

(2) What benefits each contractor will receive based on the proportion the contractor has financed of the new Delta conveyance facility.

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AMENDED IN ASSEMBLY MARCH 28, 2017

AMENDED IN ASSEMBLY MARCH 21, 2017

CALIFORNIA LEGISLATURE—2017–18 REGULAR SESSION

ASSEMBLY BILL

No. 792

Introduced by Assembly Member Frazier

February 15, 2017

An act to amend Section ~~85088~~ 85225 of the Water Code, relating to the Sacramento-San Joaquin Delta.

LEGISLATIVE COUNSEL'S DIGEST

AB 792, as amended, Frazier. Sacramento-San Joaquin Delta: ~~State Water Project and federal Central Valley Project: change in the point of diversion.~~ *Delta Plan: certification of consistency.*

Existing law, the Sacramento-San Joaquin Delta Reform Act of 2009, establishes the Delta Stewardship Council and requires the council to develop, adopt, and commence implementation of a comprehensive management plan for the Delta, known as the Delta Plan. The act requires a state or local public agency that proposes to undertake a covered action to prepare and submit to the council a written certification of consistency with the Delta Plan before undertaking that action.

~~Under the act, until the State Water Resources Control Board issues an order approving a change in the point of diversion of the State Water Project and the federal Central Valley Project from the southern Delta to a certain point on the Sacramento River, the Department of Water Resources is prohibited from commencing construction of any diversion, conveyance, or other facility necessary to divert and convey water pursuant to the change in the point of diversion.~~

~~This bill would prohibit the department from commencing construction until the board issues an order approving a change in or a new point of diversion of the projects, as specified, and the council issues a certification of consistency with the Delta Plan. The bill would prohibit the council from granting a certification of consistency with the Delta Plan until the board has completed its update of a specified water quality control plan in order to ensure protection of fish and wildlife and in-Delta beneficial uses of the San Francisco Bay/Sacramento-San Joaquin Delta Estuary's waters. plan.~~

Vote: majority. Appropriation: no. Fiscal committee: yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 *SECTION 1. Section 85225 of the Water Code is amended to*
2 *read:*

3 85225. A state or local public agency that proposes to undertake
4 a covered action, prior to initiating the implementation of that
5 covered action, shall prepare a written certification of consistency
6 with detailed findings as to whether the covered action is consistent
7 with the Delta Plan and shall submit that certification to the council.
8 *The council shall not grant a certification of consistency with the*
9 *Delta Plan until the board has completed its update of the 2006*
10 *Water Quality Control Plan for the Bay-Delta Estuary that was*
11 *initiated with a notice of preparation in 2009.*

12 ~~SECTION 1. Section 85088 of the Water Code is amended to~~
13 ~~read:~~

14 ~~85088. Until the board issues an order approving a change in~~
15 ~~or a new point of diversion of the State Water Project and the~~
16 ~~federal Central Valley Project from the southern Delta to a point~~
17 ~~on the Sacramento River as specified in subdivision (c) of Section~~
18 ~~85086, and the council issues a certification of consistency with~~
19 ~~the Delta Plan, the department shall not commence construction~~
20 ~~of any diversion, conveyance, or other facility necessary to divert~~
21 ~~and convey water pursuant to the change in the point of diversion.~~
22 ~~In order to ensure protection of fish and wildlife and in-Delta~~
23 ~~beneficial uses of the San Francisco Bay/Sacramento-San Joaquin~~
24 ~~Delta Estuary's waters, the council shall not grant a certification~~
25 ~~of consistency with the Delta Plan until the board has completed~~

- 1 its update of the 2006 Water Quality Control Plan for the Bay-Delta
- 2 Estuary that was initiated with a notice of preparation in 2009.

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AMENDED IN ASSEMBLY MARCH 27, 2017

CALIFORNIA LEGISLATURE—2017–18 REGULAR SESSION

ASSEMBLY BILL

No. 793

Introduced by Assembly Member Frazier

February 15, 2017

An act to add Section 108.7 to the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

AB 793, as amended, Frazier. Sacramento-San Joaquin Delta: financing.

Existing law establishes various state water policies, including the policy that source watersheds are recognized and defined as integral components of California's water infrastructure.

This bill would declare it to be state policy that the ~~natural~~ existing state of the Sacramento-San Joaquin Delta is recognized and defined as an integral component of California's water infrastructure. The bill would state that the maintenance and repair of the Delta are eligible for the same forms of financing as other water collection and treatment infrastructure and would specify the maintenance and repair activities that are eligible are limited to certain cleanup and abatement-related restoration and conservation activities.

Vote: majority. Appropriation: no. Fiscal committee: no.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. Section 108.7 is added to the Water Code, to
2 read:

108.7. (a) It is hereby declared to be the established policy of the state that the ~~natural~~ *existing* state of the Sacramento-San Joaquin Delta is recognized and defined as an integral component of California's water infrastructure.

(b) (1) As climate change and other stressors on the Delta intensify, the Delta will continue to serve as a critically important natural resource that provides countless benefits to local communities and the state.

(2) Recognizing the critical role of the Delta in providing water supply reliability, the maintenance and repair of the Delta is eligible for the same forms of financing as other water collection and treatment infrastructure.

(3) Nothing in this section is intended to constrain financing for the Delta as it supplies local, state, or federal water systems.

(4) Nothing in this section is intended to supersede federal eligibility requirements or alter any of the following:

(A) Funding criteria or guidelines established for a bond or other measure enacted by the voters.

(B) Funding programs related to pollution control, cleanup, or abatement.

(C) Funding programs for addressing public health emergencies.

(c) Eligible maintenance and repair activities pursuant to this section are limited to the following cleanup and abatement related restoration and conservation activities:

(1) Cleanup and abatement of toxic or hazardous waste spilled into or exposed in any way to the Delta's recognized waters or hydrology.

(2) Cleanup and abatement of marine debris, solid waste, and abandoned vessels of any kind.

(3) Habitat restoration or conservation in addition to, but not exclusive of, any other habitat conservation plan.

(4) Water quality improvement projects that protect or enhance the quality of water in the Delta for human and environmental purposes, reduce salinity, prevent seawater intrusion into the Delta, or improve freshwater flows into the Delta.

(5) Projects with a demonstrated likelihood of improving conditions of the water and ecosystems in the Delta for the benefit of humans and the environment.

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**ACTION ITEM**

April 19, 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: AB 574 (Quirk) – Recycled Water**STAFF RECOMMENDATION**

Staff recommends the Board of Directors vote to adopt a support position on AB 574 (Quirk).

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

This bill would remove certain references to “direct potable reuse,” “indirect potable reuse for groundwater recharge,” and “surface water augmentation,” and would instead specify the four different types of potable reuse projects as “groundwater augmentation,” “reservoir augmentation,” “raw water augmentation,” and “treated water augmentation.”

The bill would require the state board, on or December 31, 2021, to adopt uniform water recycling criteria for potable reuse through raw water augmentation, as specified, and would allow the board to extend this date if certain criteria is met. The bill would permit the state board to adopt the uniform water recycling criteria as emergency regulations, as specified. This bill would make certain findings and declarations relating to potable reuse, including a finding that the state board, on or before June 1, 2018, should establish a framework for the regulation of potable reuse projects.

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core x	Choice __
Action Item Amount: none		Line Item:	
Fiscal Impact (explain if unbudgeted):			

BACKGROUND

Currently, no regulations exist in the United States, at the federal or state level, for direct potable reuse. In order to meet future demands, California will need to increase and expand its use of recycled water, especially as a source of drinking water.

Given the various possible types of direct potable reuse projects, a common framework will be needed to provide guidance for the safe use of direct potable reuse.

ARGUMENTS IN SUPPORT

AB 574 would help California maximize potable water reuse and achieve statewide water recycling goals. The Water Recycling Act of 1991 created a statewide goal to recycle a total of 700,000 acre-feet of water per year by 2000 and 1,000,000 acre-feet of water per year by 2010. Additionally, in February 2009, the State Water Board adopted Resolution 2009-0011 which mandates increasing the use of recycled water by 200,000 acre-feet per year by 2020 and an additional 300,000 acre-feet per year by 2030 over 2009 recycled water use levels. California has not met these goals, but this bill would make a legislative finding that a 2014 report by the WaterReuse Research Foundation found that potable reuse could provide up to 1.1 million acre-feet per year of new drinking water supplies for California, enough to serve more than 8 million Californians or one-fifth of the state's population by 2020.

This bill will help advance projects like GWRS by eliminating the confusing statutory definitions for "indirect" and "direct" potable reuse, establishing a framework for the regulation of potable reuse projects, and developing uniform water recycling criteria for potable reuse through raw water augmentation.

ARGUMENTS IN OPPOSITION

None on file.

COMMENTS

Support on file:

California Coastkeeper Alliance (sponsor)

WaterReuse California (sponsor)

Association of California Water Agencies

Azul

CalDesal

California Association of Sanitation Agencies

California Coastal Protection Network

California League of Conservation Voters

City of Santa Barbara

Clean Water Action

Clean Water Fund

Coastal Environmental Rights Foundation

Delta Diablo

Dublin San Ramon Services District

East Bay Municipal Utility District
Eastern Municipal Water District
Ecological Rights Foundation
Heal the Bay
Inland Empire Utilities Agency
Inland Empire Waterkeeper
Las Gallinas Valley Sanitary District
Las Virgenes Triunfo Joint Powers Authority
Leucadia Wastewater District
Los Angeles Waterkeeper
Metropolitan Water District of Southern California
Monterey Regional Water Pollution Control Agency
Natural Resources Defense Council
North Bay Water Reuse Authority
Olivenhain Municipal Water District
Orange County Coastkeeper
Orange County Water District
Residents for Responsible Desalination
Rincon del Diablo Municipal Water District
San Diego Coastkeeper
Sanitation Districts of Los Angeles County
Santa Barbara Channelkeeper
Seventh Generation Advisors
Southern California Watershed Alliance & Desal Response Group
Surfrider Foundation
U.S. Green Building Council
West Basin Municipal Water District
Wholly H2O
Wildcoast

This measure was unanimously approved by the Assembly Environmental Safety and Toxic Materials Committee on April 4, and will next be heard in the Assembly Water, Parks and Wildlife Committee on April 25, 2017.

DETAILED REPORT

The full text of AB 574 is attached along with a potable reuse chart for your information.

AMENDED IN ASSEMBLY MARCH 23, 2017

CALIFORNIA LEGISLATURE—2017–18 REGULAR SESSION

ASSEMBLY BILL

No. 574

Introduced by Assembly Member Quirk

February 14, 2017

An act to amend Sections 13560 and 13561 of, to amend the heading of Chapter 7.3 (commencing with Section 13560) of Division 7 of, and to add ~~Section~~ *Sections 13560.5 and 13561.2* to, the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

AB 574, as amended, Quirk. Potable reuse.

Existing law establishes the State Water Resources Control Board and the California regional water quality control boards as the principal state agencies with authority over matters relating to water quality. Existing law required the State Department of Public Health to, on or before December 31, 2013, adopt uniform water recycling criteria for indirect potable reuse for groundwater recharge. Existing law also required the department to develop and adopt uniform water recycling criteria for surface water augmentation, as defined, by December 31, 2016, if a specified expert panel found that the criteria would adequately protect public ~~health~~ *health*, and required the department to investigate the feasibility of developing uniform water recycling criteria for direct potable reuse and to provide a final report on that investigation to the Legislature by December 31, 2016. Existing law defined the terms “direct potable reuse,” “indirect potable reuse for groundwater recharge,” and “surface water augmentation” for these purposes. Existing law transferred these powers and responsibilities to the State Water Resources Control Board on July 1, 2014.

This bill would remove certain references to “direct potable reuse,” “indirect potable reuse for groundwater recharge,” and “surface water augmentation,” and would instead specify the four different types of potable reuse projects as ~~“potable reuse through groundwater augmentation,” “potable reuse through reservoir augmentation,” “potable reuse through raw water augmentation,” and “potable reuse through treated water augmentation.”~~ “groundwater augmentation,” “reservoir augmentation,” “raw water augmentation,” and “treated water augmentation.”

The bill would require the state board, on or before ~~June 1, 2018,~~ to establish a framework for the regulation of potable reuse projects that includes specified elements. ~~The bill would require the state board, on or before December 31, 2021, to adopt uniform water recycling criteria for potable reuse through raw water augmentation, as specified, and would allow the board to extend this date if certain criteria is met. The bill would permit the state board to adopt the uniform water recycling criteria as emergency regulations, as specified.~~

This bill would make certain findings and declarations relating to ~~potable reuse:~~ reuse, including a finding that the state board, on or before June 1, 2018, should establish a framework for the regulation of potable reuse projects.

Vote: majority. Appropriation: no. Fiscal committee: yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. The heading of Chapter 7.3 (commencing with
2 Section 13560) of Division 7 of the Water Code is amended to
3 read:

4
5 CHAPTER 7.3. POTABLE REUSE

6
7 SEC. 2. Section 13560 of the Water Code is amended to read:
8 13560. The Legislature finds and declares the following:

9 (a) In February 2009, the state board unanimously adopted, as
10 Resolution No. 2009-0011, an updated water recycling policy,
11 which includes the goal of increasing the use of recycled water in
12 the state over 2002 levels by at least 1,000,000 acre-feet per year
13 by 2020 and by at least 2,000,000 acre-feet per year by 2030.

1 (b) Section 13521 requires the department to establish uniform
2 statewide recycling criteria for each varying type of use of recycled
3 water where the use involves the protection of public health.

4 (c) Achievement of the state's goals depends on the timely
5 development of uniform statewide recycling criteria for potable
6 water reuse and of a clear pathway for approval of potable reuse
7 projects.

8 (d) This chapter is not intended to delay, invalidate, or reverse
9 any study or project, or development of regulations by the
10 department, the state board, or the regional boards regarding the
11 use of recycled water for potable reuse.

12 (e) This chapter shall not be construed to delay, invalidate, or
13 reverse the state board's ongoing review of projects consistent
14 with Section 116551 of the Health and Safety Code.

15 (f) The water recycling goals of 700,000 acre-feet of water per
16 year by the year 2000 and 1,000,000 acre-feet of water per year
17 by the year 2010, established in Section 13577, have not been met.

18 (g) It is the intent of the Legislature to encourage the
19 development of potable reuse to mitigate the impact of long-term
20 drought and climate change.

21 (h) A 2014 report by the WaterReuse Research Foundation, "The
22 Opportunities and Economics of Direct Potable Reuse" found that
23 potable reuse could provide up to 1.1 million acre-feet per year of
24 new drinking water supplies for California.

25 (i) The state board adopted uniform water recycling criteria for
26 the replenishment of groundwater basins in June 2014 and is
27 developing uniform water recycling criteria for the augmentation
28 of surface water reservoirs pursuant to Section 13562.

29 (j) The state board report to the Legislature titled, *Legislature*,
30 "Investigation on the Feasibility of Developing Uniform Water
31 Recycling Criteria for Direct Potable Reuse" *Reuse*, found that
32 it is feasible to develop uniform water recycling criteria for direct
33 potable reuse that is protective of public health.

34 (k) The state board report to the Legislature stated that the state
35 board should develop a common framework across various types
36 of direct potable reuse projects to help avoid discontinuities in the
37 risk assessment and then sequentially develop uniform water
38 recycling criteria.

39 *SEC. 3. Section 13560.5 is added to the Water Code, to read:*

1 13560.5. *The Legislature finds and declares that on or before*
2 *June 1, 2018, the state board should establish a framework for the*
3 *regulation of potable reuse projects. When establishing the*
4 *framework, the state board should include all of the following:*

5 (a) *The consideration of recommendations provided in the state*
6 *board’s “Investigation on the Feasibility of Developing Uniform*
7 *Water Recycling Criteria for Direct Potable Reuse.”*

8 (b) *A schedule for completing the recommended research*
9 *described in “Investigation on the Feasibility of Developing*
10 *Uniform Water Recycling Criteria for Direct Potable Reuse.”*

11 (c) *A regulatory framework for potable reuse projects that will*
12 *be protective of public health.*

13 (d) *A process and timeline for updating, if necessary, uniform*
14 *water recycling criteria for potable reuse through reservoir*
15 *augmentation.*

16 ~~SEC. 3.~~

17 SEC. 4. Section 13561 of the Water Code is amended to read:

18 13561. For purposes of this chapter, the following terms have
19 the following meanings:

20 (a) “Department” or “state board” means the State Water
21 Resources Control Board.

22 (b) “Potable reuse” means the planned—~~treatment~~ *use* of
23 municipal wastewater that has gone through multiple barrier
24 treatment processes to produce or supplement a drinking water
25 supply that has *at least* an equivalent level of public health
26 protection as other sources of water supply permitted under the
27 California Safe Drinking Water Act (Chapter 4 (commencing with
28 Section 116270) of Part 12 of Division 104 of the Health and Safety
29 Code). A potable reuse project is any one of the following:

30 (1) ~~“Potable reuse through groundwater”~~ “Groundwater
31 augmentation” means the planned—~~use~~ *placement* of recycled water
32 for replenishment of a groundwater basin or an aquifer that has
33 been designated as the source of water supply for a public water
34 system, as defined in Section 116275 of the Health and Safety
35 Code.

36 (2) ~~“Potable reuse through reservoir”~~ “Reservoir augmentation”
37 means the planned placement of recycled water into a raw surface
38 water reservoir used as a source of domestic drinking water supply
39 for a public water system, as defined in Section 116275 of the
40 Health and Safety Code.

1 ~~(3) “Potable reuse through raw water augmentation” means the~~
2 ~~planned placement of recycled water into a raw or untreated water~~
3 ~~distribution system serving a public water system, as defined in~~
4 ~~Section 116275 of the Health and Safety Code, upstream of a~~
5 ~~drinking water treatment plant.~~

6 ~~(3) “Raw water augmentation” means the planned placement~~
7 ~~of recycled water into a system of pipelines or aqueducts that~~
8 ~~deliver raw water to a drinking water treatment plan that provides~~
9 ~~water to a public water system, as defined in Section 116275 of~~
10 ~~the Health and Safety Code.~~

11 ~~(4) “Potable reuse through treated “Treated water augmentation”~~
12 ~~means the planned introduction placement of recycled water into~~
13 ~~the treated water distribution system of a public water system, as~~
14 ~~defined in Section 116275 of the Health and Safety Code.~~

15 ~~(c) “Uniform water recycling criteria” has the same meaning~~
16 ~~as in Section 13521.~~

17 ~~SEC. 4.~~

18 ~~SEC. 5.~~ Section 13561.2 is added to the Water Code, to read:

19 ~~13561.2. (a) On or before June 1, 2018, the state board shall~~
20 ~~establish a framework for the regulation of potable reuse projects.~~
21 ~~When establishing the framework, the state board shall include all~~
22 ~~of the following:~~

23 ~~(1) The consideration of the recommendations in the state~~
24 ~~board’s “Investigation on the Feasibility of Developing Uniform~~
25 ~~Water Recycling Criteria for Direct Potable Reuse.”~~

26 ~~(2) A schedule for completing the recommended research~~
27 ~~described in the state board’s report, “Investigation on the~~
28 ~~Feasibility of Developing Uniform Water Recycling Criteria for~~
29 ~~Direct Potable Reuse.”~~

30 ~~(3) A regulatory framework for potable reuse projects that will~~
31 ~~be protective of public health.~~

32 ~~(4) A process and timeline for updating, if necessary, uniform~~
33 ~~water recycling criteria for potable reuse through reservoir~~
34 ~~augmentation.~~

35 ~~(5) A declaration of the state board’s authority to permit potable~~
36 ~~reuse projects pursuant to Section 116550 of the Health and Safety~~
37 ~~Code before the adoption of uniform recycling criteria pursuant~~
38 ~~to subdivision (b).~~

39 ~~(b)~~

1 13561.2. (a) (1) On or before December 31, 2021, the state
2 board shall adopt uniform water recycling criteria for potable reuse
3 through raw water augmentation. The state board shall develop
4 the uniform water recycling criteria after soliciting stakeholder
5 input from water agencies, wastewater agencies, local public health
6 officers, environmental organizations, environmental justice
7 organizations, public health nongovernmental organizations, and
8 the business community.

9 (2) If the state board finds that the recommended research
10 described in ~~paragraph (2) of subdivision (a)~~ *(b) of Section 13560.5*
11 is insufficient to adopt the uniform water recycling criteria by
12 December 31, 2021, the state board may, by June 30, 2021, extend
13 the uniform water recycling criteria deadline by up to 18 months.

14 (3) If the state board finds that it needs longer than the date
15 specified in paragraph (2), the state board shall do both of the
16 following:

17 (A) Consult with an independent expert review panel to
18 determine why the additional 18-month extension cannot be met.
19 The review panel shall also make the following determinations:

20 (i) The outstanding tasks necessary for the state board to
21 complete the uniform water recycling criteria.

22 (ii) A revised completion date for the state board to complete
23 the uniform water recycling criteria.

24 (B) No later than December 31, 2021, submit to the Legislature
25 the findings and determinations made by the independent expert
26 review panel under subparagraph (A).

27 *(b) Nothing in this section shall prohibit the state board from*
28 *using its existing authority to permit potable reuse projects*
29 *pursuant to Section 116550 of the Health and Safety Code before*
30 *the adoption of uniform recycling criteria pursuant to this section.*

31 *(c) Regulations adopted by the state board pursuant to this*
32 *section, and any amendment thereto, shall be adopted as*
33 *emergency regulations in accordance with Chapter 3.5*
34 *(commencing with Section 11340) of Part 1 of Division 3 of Title*
35 *2 of the Government Code. The adoption of these regulations is*
36 *an emergency and shall be considered by the Office of*
37 *Administrative Law as necessary for the immediate preservation*
38 *of the public peace, health, safety, and general welfare.*
39 *Notwithstanding Chapter 3.5 (commencing with Section 11340)*
40 *of Part 1 of Division 3 of Title 2 of the Government Code, any*

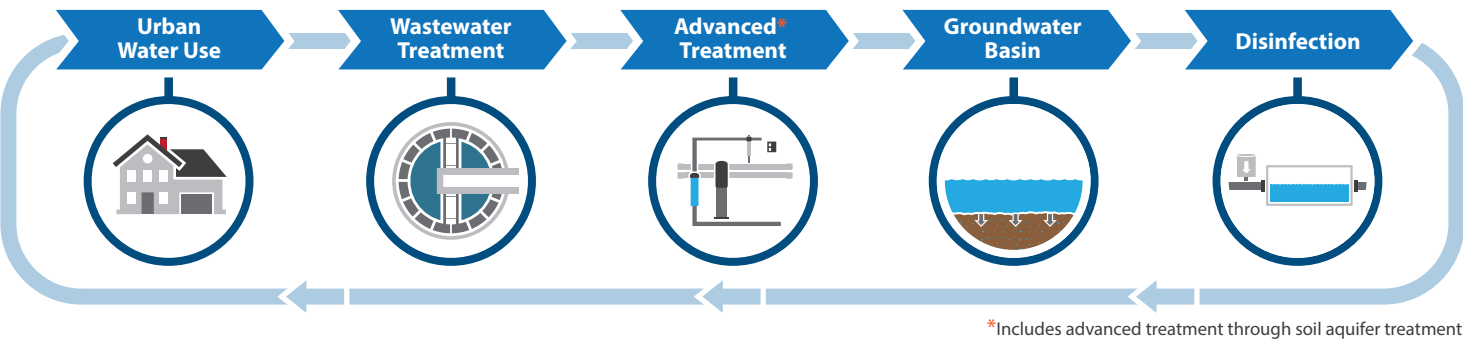
1 *emergency regulations adopted by the state board shall remain in*
2 *effect until revised by the state board. Before adopting the*
3 *regulations under this section, the state board shall allow for*
4 *public comment and hearing. The state board shall provide an*
5 *opportunity for public review and comment on the proposed*
6 *regulations for at least 60 days and shall consider public comments*
7 *before adopting the regulations.*

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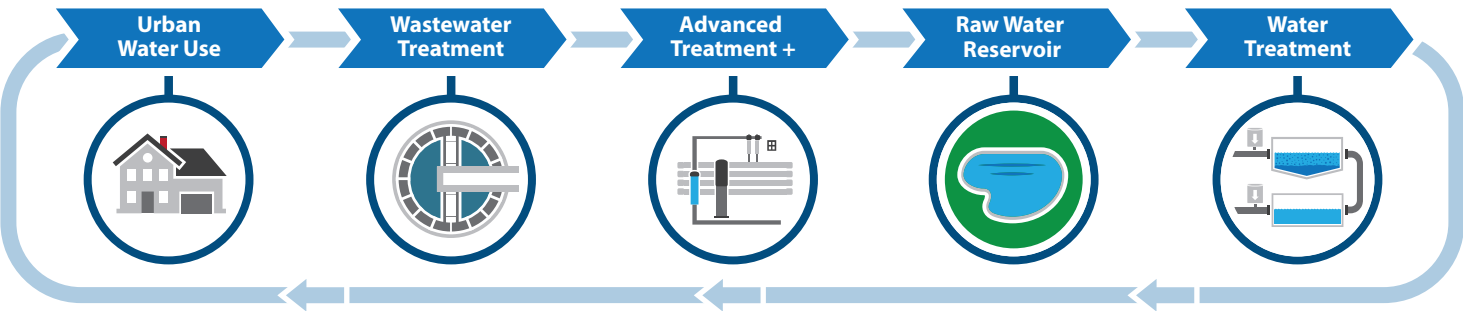
POTABLE REUSE

Newly Defined Types

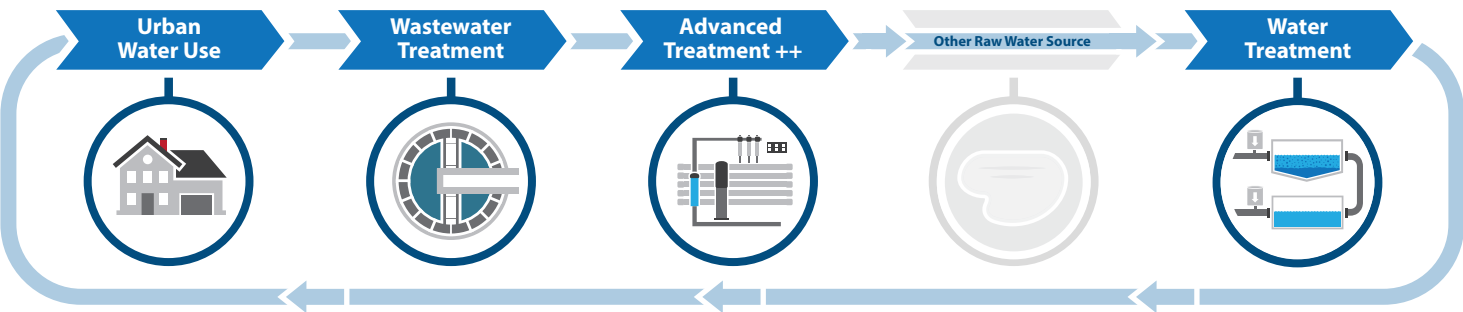
1. Groundwater Augmentation



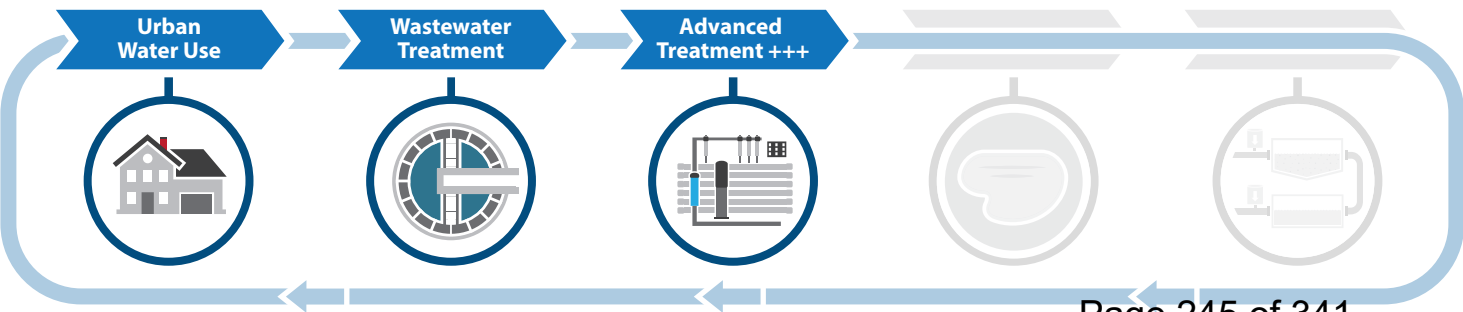
2. Reservoir Water Augmentation



3. Raw Water Augmentation



4. Treated Water Augmentation



**ACTION ITEM**

April 19, 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: AB 968 (Rubio) – Long-Term Water Use Efficiency**STAFF RECOMMENDATION**

Staff recommends the Board of Directors vote to consider adopting a conditional support position on AB 968 (Rubio) as it is still in draft form.

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

AB 968 is a spot bill that will respond to the Governor's Executive Order issued in May 2016 (EO B-37-16) requiring new water use targets that build on the existing 20 percent reduction in urban water usage by 2020 (SB-X7-7, 2009-2010). Under the Executive Order, the targets must be customized to the unique conditions of each water agency and be based on strengthened standards for: indoor residential per capita water use; outdoor irrigation; commercial, industrial and institutional water use; and water lost through leaks.

ACWA's State Legislative Committee has developed language to address this issue. The bill is expected to be amended to include this language at some point in the near future. (The Committee's language for another element of the Executive Order – water shortage planning – was amended into another spot bill, AB 1654, on March 28. AB 968 is a companion piece with AB 1654.)

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core x	Choice __
Action Item Amount: none		Line Item:	
Fiscal Impact (explain if unbudgeted):			

Water Use Efficiency Targets

AB 968, as amended, would retain the Legislature's existing authority to establish or change long-term targets or standards, and would establish a long-term framework for urban water use efficiency. It would provide that urban retail water suppliers would retain authority for setting their own water use efficiency targets for 2025 in their 2020 UWMP, based on methods prescribed in the statute. Such targets could be determined on a fiscal or calendar year basis, and a supplier would be able to adjust and update the target based on population growth, changes in irrigable landscape area, and other changes affecting water use.

Compliance

Under the amended bill, suppliers would be required to meet their water use efficiency targets by December 31, 2025, unless economic or hydrologic conditions beyond the supplier's control renders it impossible. Urban retail water suppliers could report progress toward achieving targets on an individual or regional basis. They would be required to report on their compliance in their 2025 UWMP. Calculations for determining compliance would be included in the statute. DWR would be required to develop, in consultation with the Urban Stakeholder Committee, standardized variance methodologies for livestock, swamp coolers, significant transient population increases, construction water for soil compaction and dust control, and other factors. (The bill contains provisions regarding how the Urban Stakeholder Committee would function.)

Commercial, Industrial and Institutional Sectors

To address commercial, industrial and institutional sectors, the proposed language calls for DWR to be required to convene a task force including urban retail water suppliers, urban wholesale water suppliers, and others. The objective would be to recommend appropriate water efficiency measures for various segments of these three water use sectors. The task force, in consultation with DWR and the Water Board, would be required to submit a report to the Legislature about the recommendations by December 31, 2019.

Irrigable Areas

Regarding irrigable areas, the bill as amended would contain provisions governing the use of aerial imagery to determine the extent of such areas, and DWR's maintenance of a database related to this information. It would allow an urban retail water supplier to use its own database of validated aerial imagery, measured irrigable area and date of parcel development for properties within its service areas if the supplier certifies it is of comparable or better quality than DWR's database.

Other Provisions

The proposed language includes many other provisions. For example, the bill, as amended, would establish that recycled water, as defined, would be excluded from the "gross water use" volume used to calculate targets under one of the prescribed calculation methods. Additionally, the proposed language declares that existing water rights law would not be disturbed by the bill and that the State Water Board would not be authorized or have enhanced authority to alter any existing water rights beyond the Board's power to do so prior to enactment.

ARGUMENTS IN SUPPORT

Legislation has been developed by the Governor's Office to implement the new "Making Water Conservation a California Way of Life" plan, released by the Administration in final form on April 7 in response to the Governor's Executive Order B-37-16. The proposed legislation by the Administration is in the form of budget trailer bill language. It is widely viewed within the water community as taking away local control from water agencies, vesting the State Water Resources Control Board with too much authority, and placing significant and permanent new burdens on local water suppliers.

AB 968 will be the vehicle to carry the water use efficiency targets language developed by ACWA's State Legislative Committee in response to the Governor's Executive Order B-37-16 and the state's new water conservation framework. Bill language has been drafted by the ACWA Urban Long-Term Conservation Work Group, comprised of more than 50 ACWA member agency representatives.

ARGUMENTS IN OPPOSITION

No formal opposition has been registered at this point.

COMMENTS

Many water suppliers are expected to take actions of support (some have already put these actions in motion), in part because of concerns about the Governor's budget trailer bill legislation.

DETAILED REPORT

The proposed text of AB 968 is attached.

AMENDMENTS TO ASSEMBLY BILL NO. 968
AS AMENDED IN ASSEMBLY MARCH 28, 2017

Amendment 1

In the title, in line 1, strike out "Section 10608 of," and insert:

Sections 10608, 10608.4, 10608.8, 10608.12, 10608.20, 10608.24 of, to add Sections 10608.25, 10608.46, and 10608.47 to,

Amendment 2

On page 2, in line 17, strike out "to increase efficiency of water use"

Amendment 3

On page 3, in line 1, strike out "weather," and insert:

climate,

Amendment 4

On page 3, in line 3, after "to" insert:

plan for and

Amendment 5

On page 3, in line 6, strike out "shortage contingency"

Amendment 6

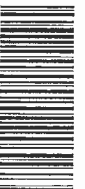
On page 3, in lines 8 and 9, strike out "a water provider's" and insert:

an urban water supplier's

Amendment 7

On page 3, in line 9, strike out "reduce urban water use" and insert:

improve water use efficiency



RN1712267

Amendment 8

On page 3, in line 12, strike out "weather," and insert:

climate,

Amendment 9

On page 3, strike out lines 16 to 40, inclusive, strike out page 4 and insert:

SEC. 2. Section 10608.4 of the Water Code is amended to read:

10608.4. It is the intent of the Legislature, by the enactment of this part, to do all of the following:

(a) Require all water suppliers to ~~increase the efficiency of~~ promote the efficient use of this essential resource.

(b) Establish a long-term framework ~~to meet the state targets for urban water conservation identified in this part and called for by the Governor.~~ use efficiency.

~~(c) Measure increased efficiency of urban water use on a per capita basis.~~

~~(d) Establish a method or methods for urban retail water suppliers to determine targets for achieving increased water use efficiency by the year 2020, in accordance with the Governor's goal of a 20-percent reduction.~~

~~(e)~~

~~(c)~~ Establish consistent water use efficiency planning and implementation standards for urban water suppliers and agricultural water suppliers.

~~(f)~~

~~(d)~~ Promote urban water conservation standards that are use efficiency that is consistent with the California Urban Water Conservation Council's adopted best management practices and the requirements for demand management in Section 10631.

~~(g)~~

~~(e)~~ Establish standards that recognize and provide credit to water suppliers that made substantial capital investments in urban water ~~conservation~~ use efficiency, sustainable drought resilient supplies, and emergency supplies since the drought of the early 1990s.

~~(h)~~

~~(f)~~ Recognize and account for the investment of urban retail water suppliers in providing recycled water for ~~beneficial uses, both potable and nonpotable beneficial uses, and the need for greater investment in water recycling and other sustainable drought-resilient supplies.~~

~~(g)~~ Recognize that water recycling is an efficient use of water and the application of recycled water in landscape irrigation is extensively regulated, which ensures its efficient use.

~~(i)~~

~~(h)~~ Require implementation of specified efficient water management practices for agricultural water suppliers.

~~(j)~~

~~(i)~~ Support the economic productivity of California's agricultural, commercial, and industrial sectors.

(k)

(j) Advance regional water resources management.

(k) Empower water suppliers to utilize local and regional water use efficiency measures that reflect their unique water supply and demand circumstances that best meet the needs of their individual communities.

(l) Ensure that a water supplier retains the same legal access to its water supplies as the water supplier possessed before January 1, 2018, as provided under law to enhance local and regional water supply reliability and drought resilience as well as to voluntarily contribute to water supply reliability in other regions of the state, as appropriate under law.

SEC. 3. Section 10608.8 of the Water Code is amended to read:

10608.8. (a) (1) Nothing in this part alters existing water rights law or authorizes or enhances the authority of the board to alter any existing water rights beyond its powers to do so before January 1, 2018.

(2) Water use efficiency measures adopted and implemented pursuant to this part or Part 2.8 (commencing with Section 10800) are water conservation measures subject to the protections provided under Section 1011.

(2)

(3) Because an urban agency is not required to meet its urban water use target until 2020 pursuant to subdivision (b) of Section 10608.24, an urban retail water supplier's failure to meet those targets shall not establish a violation of law for purposes of any state administrative or judicial proceeding prior to January 1, 2021. Nothing in this paragraph limits the use of data reported to the department or the board in litigation or an administrative proceeding. This paragraph shall become inoperative on January 1, 2021.

(4) Because an urban agency is not required to meet its urban water efficiency target until 2025 pursuant to subdivision (d) of Section 10608.25, an urban retail water supplier's failure to meet that target shall not establish a violation of law for purposes of any state administrative or judicial proceeding before January 1, 2026. Nothing in this paragraph limits the use of data reported to the department or the board in litigation or an administrative proceeding.

(3)

(5) To the extent feasible, the department and the board shall provide for the use of water conservation reports required under this part to meet the requirements of Section 1011 for water conservation reporting.

(b) This part does not limit or otherwise affect the application of Chapter 3.5 (commencing with Section 11340), Chapter 4 (commencing with Section 11370), Chapter 4.5 (commencing with Section 11400), and Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code.

(c) This part does not require a reduction in the total water used in the agricultural or urban sectors, because other factors, including, but not limited to, changes in agricultural economics or population growth may have greater effects on water use. This part does not limit the economic productivity of California's agricultural, commercial, or industrial sectors.

(d) The requirements of this part do not apply to an agricultural water supplier that is a party to the Quantification Settlement Agreement, as defined in subdivision (a) of Section 1 of Chapter 617 of the Statutes of 2002, during the period within which

the Quantification Settlement Agreement remains in effect. After the expiration of the Quantification Settlement Agreement, to the extent conservation water projects implemented as part of the Quantification Settlement Agreement remain in effect, the conserved water created as part of those projects shall be credited against the obligations of the agricultural water supplier pursuant to this part.

SEC. 4. Section 10608.12 of the Water Code is amended to read:

10608.12. Unless the context otherwise requires, the following definitions govern the construction of this part:

(a) "Agricultural water supplier" means a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding recycled water. "Agricultural water supplier" includes a supplier or contractor for water, regardless of the basis of right, that distributes or sells water for ultimate resale to customers. "Agricultural water supplier" does not include the department.

(b) "Base daily per capita water use" means any of the following:

(1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(2) For an urban retail water supplier that meets at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, the urban retail water supplier may extend the calculation described in paragraph (1) up to an additional five years to a maximum of a continuous 15-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.

(c) "Baseline commercial, industrial, and institutional water use" means an urban retail water supplier's base daily per capita water use for commercial, industrial, and institutional users.

(d) "Commercial water user" means a water user that provides or distributes a product or service.

(e) "Compliance daily per capita water use" means the gross water use during the final year of the reporting period, reported in gallons per capita per day.

(f) "Disadvantaged community" means a community with an annual median household income that is less than 80 percent of the statewide annual median household income.

(g) "Gross water use" means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, as the distribution system is defined by the urban retail water supplier, excluding all of the following:

(1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, supplier, or recycled water used to augment water supplies, including, but not limited to, recycled water used to augment a surface water reservoir or recycled water percolated or injected into a groundwater basin for the purposes of augmenting the common groundwater supply and then extracted by an urban retail water supplier.

(2) The net volume of water that the urban retail water supplier places into long-term storage.

(3) The volume of water the urban retail water supplier conveys for use by another urban water supplier.

(4) The volume of water ~~delivered for agricultural use~~, the urban retail water supplier delivers for commercial or noncommercial agricultural purposes, except as otherwise provided in subdivision (f) of Section 10608.24.

(h) "Industrial water user" means a water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System code sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development.

(i) "Institutional water user" means a water user dedicated to public service. This type of user includes, among other users, higher education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions.

(j) "Interim urban water use target" means the midpoint between the urban retail water supplier's base daily per capita water use and the urban retail water supplier's urban water use target for 2020.

(k) "Locally cost effective" means that the present value of the local benefits of implementing an agricultural efficiency water management practice is greater than or equal to the present value of the local cost of implementing that measure.

(l) "Performance measures" means best management practices that improve the efficiency of water use within the commercial, industrial, and institutional sector, including the use of new technologies and improvements in water management as identified in the report developed pursuant to subdivision (b) of Section 10608.45.

~~(f)~~

(m) "Process water" means water used for producing a product or product content or water used for research and development, including, but not limited to, continuous manufacturing processes, water used for testing and maintaining equipment used in producing a product or product content, and water used in combined heat and power facilities used in producing a product or product content. Process water does not mean incidental water uses not related to the production of a product or product content, including, but not limited to, water used for restrooms, landscaping, air conditioning, heating, kitchens, and laundry.

~~(m)~~

(n) "Recycled water" means recycled water, as defined in subdivision (n) of Section 13050, that is used to offset potable demand, ~~including~~ including, but not limited to, recycled water supplied for nonpotable reuse, recycled water supplied for the uses identified and defined in Section 13561, or recycled water supplied for direct use and indirect potable reuse, ~~that that, where applicable,~~ meets the following requirements, ~~where applicable:~~ for reservoir augmentation and groundwater recharge, including recharge through spreading basins or injections:

(1) For groundwater recharge, including recharge through spreading basins, water supplies that are all of the following:

(A) Metered.

(1) The use of the water supply is metered.

~~(B)~~

(2) Developed through planned investment by the urban water ~~supplier~~ supplier, a water replenishment district, or a wastewater treatment agency.

~~(C)~~

(3) Treated to a minimum tertiary level.

~~(D)~~

(4) Delivered within the service area of an urban retail water supplier or its urban wholesale water supplier that helps an urban retail water supplier meet its urban water use target.

~~(2) For reservoir augmentation, water supplies that meet the criteria of paragraph (1) and are conveyed through a distribution system constructed specifically for recycled water.~~

~~(n)~~

(o) "Regional water resources management" means sources of supply resulting from watershed-based planning for sustainable local water reliability or any of the following alternative sources of water:

(1) The capture and reuse of stormwater or rainwater.

(2) The use of recycled water.

(3) The desalination of brackish groundwater.

(4) The conjunctive use of surface water and groundwater in a manner that is consistent with the safe yield of the groundwater basin.

~~(o)~~

(p) "Reporting period" means the years for which an urban retail water supplier reports compliance with the urban water use targets.

~~(p)~~

(q) "Urban retail water supplier" means a water supplier, either publicly or privately owned, that directly provides potable municipal water to more than 3,000 end users or that supplies more than 3,000 acre-feet of potable water annually at retail for municipal purposes.

~~(q)~~

(r) "Urban water use target" means the urban retail water supplier's targeted future daily per capita water use.

~~(r)~~

(s) "Urban wholesale water supplier," means a water supplier, either publicly or privately owned, that provides more than 3,000 acre-feet of water annually at wholesale for potable municipal purposes.

(t) "Water efficiency target" means the target established by an urban retail water supplier pursuant to Section 10608.25.

(u) "Water loss" means the difference between the potable distribution system input volume and authorized consumption as consistent with the American Water Works Association's third edition of Water Audits and Loss Control Programs, Manual M36 and subsequent editions in accordance with Section 10608.34.

SEC. 5. Section 10608.20 of the Water Code is amended to read:

10608.20. (a) (1) Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28, and may determine the targets on a fiscal year or calendar year basis.

(2) It is the intent of the Legislature that the urban water use targets described in paragraph (1) cumulatively result in a 20-percent reduction from the baseline daily per capita water use by December 31, 2020.

(b) An urban retail water supplier shall adopt one of the following methods for determining its 2020 urban water use target pursuant to subdivision (a):

(1) Eighty percent of the urban retail water supplier's ~~baseline~~ base per capita daily water use.

(2) The per capita daily water use that is estimated using the sum of the following performance standards:

(A) For indoor residential water use, 55 gallons per capita daily water use as a provisional standard. Upon completion of the department's 2016 report to the Legislature pursuant to Section 10608.42, this standard may be adjusted by the Legislature by statute.

(B) For landscape irrigated through dedicated or residential meters or connections, water efficiency equivalent to the standards of the Model Water Efficient Landscape Ordinance set forth in Chapter 2.7 (commencing with Section 490) of Division 2 of Title 23 of the California Code of Regulations, as in effect the later of the year of the landscape's installation or 1992. An urban retail water supplier using the approach specified in this subparagraph shall use satellite imagery, site visits, or other best available technology to develop an accurate estimate of landscaped areas.

(C) For commercial, industrial, and institutional uses, a 10-percent reduction in water use from the baseline commercial, industrial, and institutional water use by 2020.

(3) Ninety-five percent of the applicable state hydrologic region target, as set forth in the state's draft 20x2020 Water Conservation Plan (dated April 30, 2009). If the service area of an urban water supplier includes more than one hydrologic region, the supplier shall apportion its service area to each region based on population or area.

(4) A method that shall be identified and developed by the department, through a public process, and reported to the Legislature no later than December 31, 2010. The method developed by the department shall identify per capita targets that cumulatively result in a statewide 20-percent reduction in urban daily per capita water use by December 31, 2020. In developing urban daily per capita 2020 water use targets, the department shall do all of the following:

(A) Consider climatic differences within the state.

(B) Consider population density differences within the state.

(C) Provide flexibility to communities and regions in meeting the targets.

(D) Consider different levels of per capita water use according to plant water needs in different regions.

(E) Consider different levels of commercial, industrial, and institutional water use in different regions of the state.

(F) Avoid placing an undue hardship on communities that have implemented conservation measures or taken actions to keep per capita water use low.

(c) If the department adopts a regulation pursuant to paragraph (4) of subdivision (b) that results in a requirement that an urban retail water supplier achieve a reduction in daily per capita water use that is greater than 20 percent by December 31, 2020, an urban retail water supplier that adopted the method described in paragraph (4) of subdivision (b) may limit its urban water use target to a reduction of not more than 20

percent by December 31, 2020, by adopting the method described in paragraph (1) of subdivision (b).

(d) The department shall update the method described in paragraph (4) of subdivision (b) and report to the Legislature by December 31, 2014. An urban retail water supplier that adopted the method described in paragraph (4) of subdivision (b) may adopt a new urban daily per capita water use target pursuant to this updated method.

(e) An urban retail water supplier shall include in its urban water management plan due in 2010 pursuant to Part 2.6 (commencing with Section 10610) the baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.

(f) When calculating per capita values for the purposes of this chapter, an urban retail water supplier shall determine population using a combination of federal, state, and local population reports and projections.

(g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).

(h) (1) The department, through a public process and in consultation with the California Urban Water Conservation Council, shall develop technical methodologies and criteria for the consistent implementation of this part, including, but not limited to, both of the following:

(A) Methodologies for calculating base daily per capita water use, baseline commercial, industrial, and institutional water use, compliance daily per capita water use, gross water use, service area population, indoor residential water use, and landscaped area water use.

(B) Criteria for adjustments pursuant to subdivisions (d) and (e) of Section 10608.24.

(2) The department shall post the methodologies and criteria developed pursuant to this subdivision on its Internet Web site, and make written copies available, by October 1, 2010. An urban retail water supplier shall use the methods developed by the department in compliance with this part.

(i) (1) The department shall adopt regulations for implementation of the provisions relating to process water in accordance with subdivision (1) of Section 10608.12, subdivision (e) of Section 10608.24, and subdivision (d) of Section 10608.26.

(2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

(j) (1) An urban retail water supplier is granted an extension to July 1, 2011, for adoption of an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) due in 2010 to allow the use of technical methodologies developed by the department pursuant to paragraph (4) of subdivision (b) and subdivision (h). An urban retail water supplier that adopts an urban water management plan due in 2010

that does not use the methodologies developed by the department pursuant to subdivision (h) shall amend the plan by July 1, 2011, to comply with this part.

(2) An urban wholesale water supplier whose urban water management plan prepared pursuant to Part 2.6 (commencing with Section 10610) was due and not submitted in 2010 is granted an extension to July 1, 2011, to permit coordination between an urban wholesale water supplier and urban retail water suppliers.

SEC. 6. Section 10608.24 of the Water Code is amended to read:

10608.24. (a) Each urban retail water supplier shall meet its interim urban water use target by December 31, 2015.

(b) Each urban retail water supplier shall meet its 2020 urban water use target by December 31, 2020.

(c) An urban retail water supplier's compliance daily per capita water use shall be the measure of progress toward achievement of its 2020 urban water use target.

(d) (1) When determining compliance daily per capita water use, an urban retail water supplier may consider the following factors:

(A) Differences in evapotranspiration and rainfall in the baseline period compared to the compliance reporting period.

(B) Substantial changes to commercial or industrial water use resulting from increased business output and economic development that have occurred during the reporting period.

(C) Substantial changes to institutional water use resulting from fire suppression services or other extraordinary events, or from new or expanded operations, that have occurred during the reporting period.

(2) If the urban retail water supplier elects to adjust its estimate of compliance daily per capita water use due to one or more of the factors described in paragraph (1), it shall provide the basis for, and data supporting, the adjustment in the report required by Section 10608.40.

(e) When developing the 2020 urban water use target pursuant to Section 10608.20, an urban retail water supplier that has a substantial percentage of industrial water use in its service area may exclude process water from the calculation of gross water use to avoid a disproportionate burden on another customer sector.

(f) (1) An urban retail water supplier that includes agricultural water use in an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) may include the agricultural water use in determining gross water use. An urban retail water supplier that includes agricultural water use in determining gross water use and develops its urban water use target pursuant to paragraph (2) of subdivision (b) of Section 10608.20 shall use a water efficient standard for agricultural irrigation of 100 percent of reference evapotranspiration multiplied by the crop coefficient for irrigated acres.

(2) An urban retail water supplier, that is also an agricultural water supplier, is not subject to the requirements of Chapter 4 (commencing with Section 10608.48), if the agricultural water use is incorporated into its urban water use target pursuant to paragraph (1).

SEC. 7. Section 10608.25 is added to the Water Code, to read:

10608.25. (a) After December 31, 2020, an urban retail water supplier shall achieve a water efficiency target as provided for in this section.

(b) Each urban retail water supplier shall develop a water efficiency target for 2025 in its 2020 urban water management plan required to be submitted by July 1, 2021, pursuant to Section 10621. An urban retail water supplier may determine the water efficiency target on a fiscal year or calendar year basis. An urban retail water supplier may adjust and update the water efficiency target, as appropriate, based upon population growth, changes in irrigable landscape acreage, and other changes that affect water use when the supplier reports its compliance in achieving the water efficiency targets and its implementation of the identified performance measures in its 2025 urban water management plan required to be submitted by July 1, 2026, pursuant to Section 10621.

(c) An urban retail water supplier shall adopt one of the following methods for determining its water efficiency target pursuant to subdivision (b):

(1) Seventy-five percent of the urban retail water supplier's base daily per capita water use calculated using the methodology developed by the department pursuant to Section 10608.20.

(2) (A) Establishment of a retail-level water efficiency target that is the sum of the following:

(i) The residential population multiplied by 55 gallons of water use per person per day.

(ii) For irrigable landscape served by a residential or dedicated irrigation meter, an estimate of total irrigation demands within the supplier's service area, based on the following factors:

(I) Evapotranspiration adjustment factor of 1.0 for parcels developed before 1992 and for special landscape areas.

(II) Evapotranspiration adjustment factor of 0.8 for parcels developed between January 1, 1992, and December 31, 2009.

(III) Evapotranspiration adjustment factor of 0.7 for parcels developed between January 1, 2010, and December 31, 2015.

(IV) Evapotranspiration adjustment factor of 0.55 for residential parcels developed after January 1, 2016.

(V) evapotranspiration adjustment factor of 0.45 for commercial parcels developed after January 1, 2016.

(VI) Parcels in commercial or noncommercial agricultural use may be included by the urban retail water supplier, at its sole discretion, using an evapotranspiration factor of 1.0 in the calculation of the water use efficiency target or in the calculation for compliance of the target.

(iii) A volume of water to account for the variances taken by the water supplier due to unique situations within the water supplier's service area and developed pursuant to subdivision (f).

(B) An urban retail water supplier that adopts the method described in subparagraph (A) for determining its water efficiency target shall identify proposed performance measures, as appropriate, for efficient water use by its commercial, industrial, and institutional customers consistent with the recommendations identified in the report required pursuant to subdivision (b) of Section 10608.45 in the water supplier's 2020 urban water management plan.

(3) Ninety percent of the applicable hydrologic region target, as set forth in the state's 20x2020 Water Conservation Plan, dated February 2010. If the service area of

an urban retail water supplier includes more than one hydrologic region, the supplier shall apportion its service area to each region based on population or area.

(d) Each urban retail water supplier shall meet its adjusted 2025 water efficiency targets by December 31, 2025, unless the supplier reports to the department that economic or hydrologic conditions beyond the water supplier's control rendered it impossible for the water supplier to do so. An urban retail water supplier may elect to determine and report progress toward achieving its 2025 water efficiency target on an individual or regional basis, as provided in subdivision (a) of Section 10608.28. An urban retail water supplier shall report on its compliance with this section in its 2025 urban water management plan required to be submitted by July 1, 2026, pursuant to Section 10621.

(e) An urban retail water supplier shall base its adjusted water efficiency target and compliance with that adjusted target on the best available information concerning population, irrigable landscape acreage, and other factors that affect water use within its service area. An urban retail water supplier shall calculate its compliance with subdivision (d) based on the method by which it set its water efficiency target, as follows:

(1) An urban retail water supplier with a water efficiency target determined pursuant to paragraph (1) of subdivision (c) shall calculate its compliance with subdivision (d) by comparing the adjusted water efficiency target with the urban retail water supplier's compliance daily per capita water use.

(2) An urban retail water supplier with a water efficiency target determined pursuant to paragraph (2) of subdivision (c) shall calculate its compliance with subdivision (d) by comparing the water efficiency target with the total volume of gross water use measured through residential and dedicated irrigation meters during the final year of the reporting period. The urban retail water supplier shall include in its report on compliance with subdivision (d) a report on the urban retail water supplier's implementation of the performance measures for efficiency commercial, industrial, and institutional water use identified in its urban water management plan. If an urban retail water supplier includes parcels in agricultural use in its water efficiency target, the urban retail water supplier shall include water use for those parcels in its compliance calculation.

(3) An urban retail water supplier with a water efficiency target determined pursuant to paragraph (3) of subdivision (c) shall calculate its compliance with subdivision (d) by comparing the adjusted water efficiency target with the urban retail water supplier's compliance daily per capita water use.

(4) Water use or loss caused by conditions of disaster or extreme peril to the safety of persons and property, including, but not limited to, conditions, whether natural or human caused, of fire, flood, storm, drought, epidemic, riot, earthquake, or other condition, shall be excluded from the calculation of compliance with the water efficiency target.

(5) The deadline for an urban retail water supplier to submit its plan pursuant to subdivision (e) of Section 10621 shall be extended if the department does not release the final database pursuant to Section 10608.47 on or before July 1, 2019. The extension shall equal the length of time between July 1, 2019 and the date of the department's release of the final database.

(6) Each urban retail water supplier shall have the discretion to achieve its water efficiency target under this section and to design and utilize any rate structure in any manner consistent with that supplier's legal authority.

(7) Each urban retail water supplier shall have the discretion to measure progress toward achieving its water efficiency target under this section by considering the factors described in subdivisions (d) to (f), inclusive, of Section 10608.24.

(8) Notwithstanding the method used by an urban retail water supplier to calculate compliance with subdivision (c), each urban retail water supplier shall address water loss within its service area pursuant to Section 10608.34.

(f) The department, in consultation with the Urban Stakeholder Committee, shall develop all of the following and any other factors as may be identified by the committee:

(1) Standardized variance methodologies for all of the following:

(A) Livestock.

(B) Swamp coolers.

(C) Significant transient population increases.

(D) Construction water for soil compaction and dust control.

(E) Potable water use to supplement ponds and lakes to sustain wildlife.

(F) Vegetation irrigated for fire protection.

(G) Landscapes irrigated with recycled water having high levels of total dissolved solids.

(H) Other water quality concerns.

(2) A methodology to calculate the irrigable area associated with special landscape areas by aerial imagery or date of parcel establishment so that an urban retail water supplier may develop appropriate water efficiency targets as described in paragraph (2) of subdivision (c).

(3) A process for the submission of supporting documentation for other variances that shall be included into the calculation of the urban retail water supplier's water efficiency target as described in paragraph (2) of subdivision (c).

(g) For purposes of this section, "special landscape area" means an area of the landscape dedicated solely to edible plants, recreational areas, areas irrigated with recycled water, or water features using recycled water designed within and having the same evapotranspiration adjustment factor as contained in the model water efficient landscape ordinance set forth in Chapter 2.7 (commencing with Section 490) of Division 2 of Title 23 of the California Code of Regulations, adopted on September 15, 2015.

SEC. 8. Section 10608.45 is added to the Water Code, to read:

10608.45. (a) By July 1, 2018, the department, in consultation with the board, shall convene a commercial, industrial, and institutional water use efficiency task force to recommend appropriate water efficiency measures for various segments of the commercial, industrial, and institutional water use sector. The task force shall consist of all of the following:

(1) Urban retail water suppliers, including a broad spectrum of commercial, industrial, and institutional customers throughout the state and the representation of combined retail water and wastewater agencies.

(2) Urban wholesale water suppliers.

(3) Academic experts.

(4) Economic development interests.

(5) Business community representatives.

(6) Environmental organizations.

(7) Commercial water users.

(8) Industrial water users.

(9) Institutional water users.

(b) By December 31, 2019, the task force, in consultation with the department and the board, shall submit a report to the Legislature that shall include, but is not limited to, all of the following:

(1) Recommendations of appropriate performance measures for commercial, industrial, or institutional water use that shall rely, to the extent appropriate, on the 2013 report to the Legislature by the CII Task Force entitled "Water Use Best Management Practices" and support the economic productivity of California's commercial, industrial, and institutional sectors.

(2) Appropriate commercial, industrial, and institutional classifications that address significant uses of water and are consistent with the classifications and standards developed by the North American Industry Classification System published by the United States Office of Management and Budget.

(3) Recommendations for appropriate thresholds by which urban water suppliers could require commercial, industrial, and institutional water users to participate in audits and the development of water management plans.

(4) An evaluation of feasibility criteria and cost-effectiveness of separating mixed-use meters and equivalent technologies and recommendations on when separating mixed-use meters should not be required.

(c) Using available funds, the department shall provide technical and financial assistance to the task force to enable the completion of the report within the required time frame and to assist water suppliers and water users to comply with any new requirements resulting from implementation of the report recommendations.

(d) (1) A report to be submitted pursuant to subdivision (b) shall be submitted in compliance with Section 9795 of the Government Code.

(2) Pursuant to Section 10231.5 of the Government Code, this section is repealed on January 1, 2024.

SEC. 9. Section 10608.46 is added to the Water Code, to read:

10608.46. (a) The department shall reconvene its Urban Stakeholder Committee by April 1, 2018. The committee shall consist of a mix of small, medium, and large urban retail water suppliers from throughout the state, including at least one representative from each hydrologic region. The committee shall also include academic experts, urban wholesale water suppliers, business organizations, as well as representation of combined retail water and wastewater agencies.

(b) By July 1, 2019, the department shall consult with the committee to develop the methodologies required by subdivision (f) of Section 10608.25.

(c) By January 1, 2020, and every five years thereafter, the committee shall develop a report to provide information and recommendations to the department and the Legislature about new demand management measures, technologies, and approaches. The department shall review the committee report and include in the final report to the Legislature the department's recommendations and comments regarding the committee process and the committee's recommendations.

(d) By December 31, 2025, the committee, in consultation with the department and the board, shall submit a report to the Legislature recommending for potential

adjustments to water efficiency targets and commercial, industrial, and institutional performance measures, consistent with the report provided to the Legislature pursuant to subdivision (b) of Section 10608.45, for implementation no sooner than 2030. If the committee recommends a change in the water efficiency targets or performance measures, the report shall do both of the following:

(1) State the technical changes or scientific basis that justifies a change in the targets or performance measures.

(2) Evaluate potential unintended consequences created by the proposed changes that could negatively impact California's economy, wastewater infrastructure, or local investments in water infrastructure and supplies, including specific impacts to the amount of recycled water or desalinated water available within the state.

(e) Using available funds, the department shall provide technical and financial assistance to the committee to enable the completion of the reports pursuant to this section within the required time frame and assist water suppliers to comply with any new requirements resulting from implementation of the report recommendations.

(f) Nothing in this section authorizes any state agency to establish, change, or otherwise modify the water efficiency targets and commercial, industrial, and institutional performance measures established under this chapter.

(g) A report to be submitted pursuant to subdivision (c) or (d) shall be submitted in compliance with Section 9795 of the Government Code.

SEC. 10. Section 10608.47 is added to the Water Code, to read:

10608.47. (a) By July 1, 2019, the department shall provide to urban retail water suppliers, in electronic form, a database of validated aerial imagery and measured irrigable area for all residential, commercial, industrial, and institutional areas within each water supplier's service area. The database shall correlate the relevant irrigable areas with assessor parcels within each water supplier's service area and shall state the year of parcel development. The database shall contain downloadable reference evapotranspiration data with representative climate zones for all urban retail water suppliers. The database's aerial imagery data shall be suitable for determining the appropriate amount of irrigation for a variety of vegetation, including, but not limited to, large trees and irrigable area under native tree canopy. The department shall update the database by December 31, 2025, and every five years thereafter.

(b) To the extent consistent with the California Public Records Act (Chapter 3.5 (commencing with Section 6250) of Division 7 of Title 1 of the Government Code), the department and all urban retail water suppliers shall maintain the confidentiality of the information in the department's database.

(c) Before providing the database to urban retail water suppliers, the department shall conduct a statistically valid review of the accuracy of the information in the database. In conducting this review, the department shall consult with a representative sample of urban retail water suppliers representing each of the state's hydrologic regions.

(d) An urban retail water supplier may use its own database of validated aerial imagery, measured irrigable area, and date of parcel development for properties within its service areas for purposes of paragraph (2) of subdivision (c) of Section 10608.25,

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Substantive

if the water supplier certifies that its database is of comparable or better quality than the relevant information included in the department's database.

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**ACTION ITEM**

April 19, 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: AB 1654 (Rubio) – Water Shortage: Urban Water Management Planning**STAFF RECOMMENDATION**

Staff recommends the Board of Directors vote to adopt a support position on AB 1654 (Rubio).

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

AB 1654 responds to the Governor's Executive Order issued in May 2016 (EO B-37-16) requiring strengthened requirements for urban Water Shortage Contingency Plans, including actions to respond to severe droughts. The bill's key provisions include:

Urban Water Management Demand Reduction Measures

- A new Part 2.56 would be added to Water Code Division 6 involving urban water management demand reduction measures. By June of each year, an urban retail water supplier would be required to report to DWR an annual supply and demand assessment.
- If an urban retail water supplier determines it cannot meet demands with available supplies and it will be necessary to implement mandatory water demand reduction measures, the supplier must:

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core x	Choice __
Action Item Amount: none		Line Item:	
Fiscal Impact (explain if unbudgeted):			

- Continue to implement the mandatory demand reduction measures until conditions change to the point the supplier will be able to meet demand over the next 12 months without the measures, and
- File a monthly report with DWR describing how the measures are being implemented for the duration of time the measures are in place.
- An urban retail water supplier would retain discretion to declare any stage of its water shortage contingency analysis to balance supply and demand through supply augmentation or to encourage water demand reduction measures. If a supplier declares a water shortage stage, the supplier would not be obligated to report to DWR on plan implementation.
- An urban wholesale water supplier would be required to provide its retail agencies with information on the wholesaler's supplies annually so that the retailers that rely on the wholesale supplies have sufficient data to comply with the annual reports to DWR.

Urban Water Management Planning Amendments

- UWMP to be updated at least once every five years on or before July 1 in years ending in one and six.
- Requirement for five-year drought cycle planning, rather than current three-year cycle
- Clarifies that the requirement to quantify past, current and projected water use for distribution system water losses only applies to a potable distribution system.
- Retains local authority to identify water supply shortage stages
- In addition to existing requirements, water shortage contingency analysis must include:
 - Public communications strategies.
 - Anticipated actions tied to water supply shortage stages.
 - Anticipated processes for monitoring and ensuring compliance by customers with any mandatory water use practices, and enforcement mechanisms.
- Instead of requiring a water shortage contingency resolution or ordinance, the amended language calls for a description of the water supplier's source of authority for implementing water shortage actions.
- During a statewide drought, local drought or water shortage, an urban water supplier would not be required to reduce use or reliance on any water supply available for its use and identified in its UWMP, nor be required to take any additional actions beyond those specified in its water shortage contingency analysis for any shortage level.
- The bill states that the Legislature intends to encourage continued investment in water supply reliability and diversification, including incentivizing new local investments in water recycling and potable reuse and protecting such existing investments.

ARGUMENTS IN SUPPORT

Trailer Bill Language has been developed by the Governor's Office to implement the new "Making Water Conservation a California Way of Life" plan, released by the Administration in final form on April 7 in response to the Governor's Executive Order B-37-16. The proposed legislation by the Administration is in the form of budget trailer bill language. It is widely viewed within the water community as taking away local control from water agencies, vesting the State Water Resources Control Board with too much authority, and placing significant and permanent new burdens to local water suppliers.

AB 1654 is serving as the vehicle to carry the UWMP amendment language developed by ACWA's State Legislative Committee in response to the Governor's Executive Order B-37-16 and the state's new water conservation framework. The bill language was drafted by the ACWA Urban Long-Term Conservation Work Group, comprised of more than 50 ACWA member agency representatives and includes the language developed by the ACWA State Legislative Committee.

This measure offers water retailers flexibility AND includes credit for recycled water. It is currently the most attractive proposal that has been introduced and why many in the water industry are backing it.

ARGUMENTS IN OPPOSITION

No formal arguments in opposition have been registered at this time.

COMMENTS

Many water suppliers are expected to take actions of support, in part because of concerns about the Governor's budget trailer bill language that was released on April 7, 2017.

DETAILED REPORT

The full text of AB 1654 is attached.

Item	AB 968	Change from current require-ments	AB 1654	Change from current require-ments	Trailer Bill 810	Change from current require-ments
Urban Water Management Plans	N/A	N/A	Requires planning for 5-year drought cycle	Good - adds two years to drought planning	Requires planning for 5-year drought cycle	Good - adds two years to drought planning
Water Shortage Contingency Plans - elements	N/A	N/A	Adds requirements to define authority, communications plan, enforcement provisions, review process	Good - adds various improve-ments	Adds requirements to define authority, communications plan, enforcement provisions, review process	Good - adds various improve-ments
Water shortage stages	N/A	N/A	Shortage stages defined by water supplier, but must include 50% shortage	Good - maintains existing requirement	Requires six shortage levels in plan	Bad - overly prescriptive scheme that may not match local situation
Water shortage declaration	N/A	N/A	Shortage is declared at the discretion of the water supplier	Good - maintains existing requirement	Shortage emergency declaration is required at level 4 shortage (which is not defined)	Bad - trailer bill language is not clear, and the authority for shortage declarations should rest with the water supplier
Annual supply and demand assessment	N/A	N/A	Requires suppliers to develop and report	Good - adds reporting process	Requires suppliers to develop and report	Good - adds reporting process

Annual report summary by DWR	N/A	N/A	No requirement	Good - same as existing	DWR prepares annual report and submits to Water Board for determination of noncompliance and potential enforcement	Bad - noncompliance is not defined, nor is Water Board enforcement authority
Authority to develop and implement water shortage contingency plans	N/A	N/A	Authority held by water supplier	Good - same as existing	Authority held by water supplier	Good - same as existing
Authority to establish or change long-term goals, targets or standards	Authority held by Legislature	Good - same as existing	N/A	N/A	Authority given to State Water Resources Control Board, implemented via rulemaking that is exempt from CEQA	Bad - no legislative oversight, rulemaking is exempt from CEQA
Authority to establish interim goals, targets and standards	Authority exerted by Legislature in SB x7-7 - targets in place for 2020	Good - same as existing	N/A	N/A	Authority given to State Water Resources Control Board for 2018-2021 period, implemented via emergency rulemaking that is exempt from CEQA, and which remains in effect until revised by the Board	Bad - no legislative oversight, rulemaking is exempt from CEQA, pre-empts existing requirements, regulations could be in place permanently

Application of goals, standards and targets to water rights	Maintains WC Section 1011 protection of right to conserved water; reiterates that water rights law is not affected	Good - same as existing	N/A	N/A	Specifies that efficiency standards supercede water rights	Bad - completely undermines the water rights legal structure
Applicability of cease and desist order enforcement and penalty provisions to goals, standards and targets	No cease and desist order requirements imposed - same as existing	Good - same as existing	N/A	N/A	Applies cease and desist order and penalty provisions to efficiency standards - and ALL regulations adopted by the Water Board	Bad - establishes universal applicability of cease and desist order and penalty provisions to any activity covered by Water Board regulations - including water use efficiency
Compliance methods	Allows for multiple compliance methods	Good - maintains existing flexibility and ability to be tailored to local conditions	N/A	N/A	Only allows a single method, based on categorical standards	Bad - fewer options

Data/imagery requirements	Only required if standards-based method is used	Good - same as existing	N/A	N/A	Required for compliance - responsibility is imposed on water suppliers	Bad - major cost and data management burden for water suppliers
Enforcement/penalties	Maintains same sanction - ineligibility of water supplier for grant funding	Good - same as existing	N/A	N/A	Establishes failure by water supplier to comply with efficiency standards to be a misdemeanor - \$10,000 each for 1st and 2nd month of violations, plus \$500/day	Bad - imposes penalties significantly out of synch with mandates for water supply planning
Impacts on residential customers - water shortages	None	Good - same as existing	N/A	N/A	None	Good - same as existing
Impacts on commercial customers - water shortages	None	Good - same as existing	N/A	N/A	None	Good - same as existing
Cost impacts on water suppliers - water shortages	Minor additional costs for preparing new plan sections	Good - minor additional requirements	N/A	N/A	Minor additional costs for preparing new plan sections, potential significant costs associated with Water Board enforcement	Bad - could have major compliance costs
Impacts on residential customers - water use efficiency	N/A	N/A	Additional efficiency requirements	Good - achievable efficiency requirements defined by water supplier	Could have significant impact on availability of water supply to customers	Bad - inflexible approach that could have major impacts

Impacts on commercial customers - water use efficiency	N/A	N/A	Additional efficiency requirements	Good - achievable efficiency requirements defined by water supplier	Could have significant impact on availability of water supply to customers	Bad - inflexible approach that could have major impacts
Cost impacts on water suppliers - water use efficiency	N/A	N/A	Minor additional costs	Good - manageable costs	Could have significant cost implications for data development and management, and penalties for non-compliance	Bad - major potential costs

AMENDED IN ASSEMBLY MARCH 28, 2017

CALIFORNIA LEGISLATURE—2017–18 REGULAR SESSION

ASSEMBLY BILL

No. 1654

Introduced by Assembly Member ~~Cooper~~ Rubio

February 17, 2017

An act to amend ~~Section 10608 of~~ Sections 10621, 10631, 10632, and 10635 of, to repeal Section 10631.7 of, to add Sections 10613.5 and 10658 to, and to add Part 2.56 (commencing with Section 10609) to Division 6 of, the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

AB 1654, as amended, ~~Cooper~~ Rubio. Water conservation: shortage: urban water management planning.

(1) Existing law, the Urban Water Management Planning Act, requires every public and private urban water supplier that directly or indirectly provides water for municipal purposes to prepare and adopt an urban water management plan and to update its plan once every 5 years on or before December 31 in years ending in 5 and zero, except as specified.

This bill would require the update of a plan on or before July 1, in years ending in one and 6. The bill would require each urban retail water supplier to report annually by June 15 to the Department of Water Resources the status of its water supplies for that year and whether the supplies will be adequate to meet projected customer demand, as prescribed. The bill would require the urban retail water supplier to implement the appropriate responses as described in its water shortage contingency analysis if the urban retail water supplier reports that all available water supplies for the applicable water year will not be adequate to meet projected customer demand. The bill would require

the urban retail water supplier to continue to implement the mandatory demand reduction measures described in its water shortage contingency analysis until certain conditions have changed to the point that the urban retail water supplier finds that it is able to meet projected customer demand over the next 12 months without continued implementation of the measures. The bill would require an urban retail water supplier to file a certain report with the department by the 15th day of each month during a period that the urban retail water supplier is implementing mandatory demand reduction measures. The bill would require the department to establish an electronic portal through which an urban retail water supplier is required to provide these reports to the department and would require the department to provide the State Water Resources Control Board with access to the reports and data.

(2) The act requires an adopted plan to include certain components, including, among other things, an identification and quantification of the existing and planned sources of water available to the supplier over 5-year increments, a description of the reliability of the water supply and vulnerability to seasonal or climatic shortage for an average water year, single-dry water year, and multiple-dry water years, and quantification of distribution system water loss for each of the 5 years preceding the plan update.

This bill would add to the requirements of a plan a description of how an emergency supply has been established to increase water supply reliability during times of shortage and how the supply is in addition to the supplies that the agency draws upon during nonshortage times, if an emergency supply, as defined, is identified as an existing or planned source of water available to the urban retail water supplier. The bill would require a description of the reliability and vulnerability for 5 consecutive years consisting of a repeat of the 5 consecutive historic driest years experienced by the urban retail water supplier, except as provided, rather than multiple-dry water years. The bill would specify that distribution system water loss to be included in the plan is potable distribution system water loss.

(3) The act requires the department, in consultation with the California Urban Water Conservation Council, to convene an independent technical panel to provide information and recommendations to the department and the Legislature on new demand management measures, technologies, and approaches. The act requires the panel to report to the Legislature no later than January 1, 2010, and every 5 years thereafter, and requires the department to review the

report and include in the final report to the Legislature recommendations and comments. The act deems an urban water supplier that is a member of the council and in compliance with the provisions of a certain memorandum to be in compliance with certain requirements relating to including water demand management measures in a plan.

This bill would delete these provisions.

(4) The act requires that the plan provide an urban water shortage contingency analysis that includes certain elements, including an estimate of the minimum water supply available during each of the following 3 water years based on the driest 3-year historic sequence for the agency's water supply.

This bill would revise the elements included within an analysis.

(5) The California Constitution declares the policy that the water resources of the state be put to beneficial use to the fullest extent of which they are capable, that the waste or unreasonable use or unreasonable method of use of water be prevented, and that the conservation of such waters is to be exercised with a view to the reasonable and beneficial use of the waters in the interest of the people and for the public welfare. Existing law requires the department and the board to take all appropriate proceedings or actions to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of water in this state.

This bill would prohibit an urban water supplier, during a statewide drought, local drought, or water shortage, from being required to reduce its use or reliance on any water supply available for its use and identified in its plan or from being required to take additional actions beyond those specified in its water shortage contingency analysis for the level of water shortage, as specified.

~~Existing law requires the state to achieve a 20% reduction in urban per capita water use in California by December 31, 2020. Existing law requires agricultural water suppliers to prepare and adopt agricultural water management plans with specified components on or before December 31, 2012, and to update those plans on or before December 31, 2015, and on or before December 31 every 5 years thereafter. Existing law sets forth various findings and declarations related to water conservation.~~

~~This bill would make a nonsubstantive change in those findings and declarations.~~

Vote: majority. Appropriation: no. Fiscal committee: ~~no~~ yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 *SECTION 1. Part 2.56 (commencing with Section 10609) is*
2 *added to Division 6 of the Water Code, to read:*

3
4 *PART 2.56. URBAN WATER MANAGEMENT DEMAND*
5 *REDUCTION MEASURES*
6

7 *10609. The following definitions govern the construction of*
8 *this part:*

9 *(a) "Water shortage contingency analysis" means the*
10 *component of an urban water management plan described in*
11 *Section 10632.*

12 *(b) "Urban retail water supplier" has the meaning provided in*
13 *Section 10608.12.*

14 *(c) "Urban water supplier" has the meaning provided in Section*
15 *10617.*

16 *(d) "Urban wholesale water supplier" has the meaning provided*
17 *in Section 10608.12.*

18 *10609.5 (a) In addition to and separate from the urban water*
19 *management plans required pursuant to Part 2.6 (commencing*
20 *with Section 10610), by June 15 of each year an urban retail water*
21 *supplier shall report to the department the status of its water*
22 *supplies for that year and whether the supplies will be adequate*
23 *to meet projected customer demand.*

24 *(b) (1) If an urban retail water supplier reports pursuant to*
25 *subdivision (a) that all available water supplies for the applicable*
26 *water year will not be adequate to meet projected customer*
27 *demand, the urban retail water supplier shall implement the*
28 *appropriate responses as described in its water shortage*
29 *contingency analysis. If demand is projected to exceed all available*
30 *supply sources and mandatory water demand reduction measures*
31 *are required, the annual report shall describe the water supply*
32 *shortage stage and the measures that the supplier will take to*
33 *reduce water demand consistent with its water shortage*
34 *contingency analysis.*

35 *(2) If an urban retail water supplier determines that it cannot*
36 *meet demands with all available water suppliers and is required*
37 *to implement mandatory water demand reduction measures as*
38 *described in its water shortage contingency analysis pursuant to*

1 *paragraph (1), the urban retail water supplier shall do both of the*
2 *following:*

3 *(A) Continue to implement the mandatory demand reduction*
4 *measures as described in its water shortage contingency analysis*
5 *until hydrologic, water supply, or other conditions have changed*
6 *to the point that the supplier finds that it will be able to meet*
7 *projected customer demand over the next 12 months without*
8 *continued implementation of the mandatory demand reduction*
9 *measures.*

10 *(B) During the period that the urban retail water supplier is*
11 *implementing the mandatory demand reductions measures*
12 *described in its water shortage contingency analysis, the supplier*
13 *shall file a report with the department by the 15th day of each*
14 *month that describes how the supplier is implementing the*
15 *measures.*

16 *(3) If an urban retail water supplier reports pursuant to*
17 *subdivision (a) that supplies are adequate to meet projected*
18 *customer demand, the urban retail water supplier, at its sole*
19 *discretion, may declare any stage of its water shortage contingency*
20 *analysis to balance supply and demand through the augmentation*
21 *of supplies or to encourage water demand reduction as a*
22 *precautionary measure. If an urban retail water supplier declares*
23 *a stage of its water shortage contingency analysis pursuant to this*
24 *paragraph, the urban retail water supplier shall not have an*
25 *additional obligation to report to the department on the*
26 *implementation of its plan.*

27 *(c) Multiple urban retail water suppliers within the same*
28 *hydrologic region may file a joint report with the department if*
29 *those urban retail water suppliers' water supplies are interrelated*
30 *and if each urban retail water supplier determines that a joint*
31 *report most accurately reflects the condition of their respective*
32 *water supplies. Regardless of whether a joint report is submitted,*
33 *an urban retail water supplier may submit an individual report to*
34 *the department.*

35 *(d) An urban wholesale water supplier shall provide its retail*
36 *agencies with information on the status of the urban wholesale*
37 *water supplier's water supplies annually so that an urban retail*
38 *water supplier reliant on the wholesale supply has sufficient data*
39 *to comply with subdivision (a). An urban retail water supplier*
40 *shall provide an urban wholesale water supplier with information*

1 regarding its estimated annual demand for water from each
2 wholesaler annually. An urban retail water supplier and its urban
3 wholesale water suppliers shall meet and determine the process
4 and dates by which they will comply with the requirements of this
5 subdivision.

6 (e) An urban water supplier shall not be required to comply
7 with any requirement in Part 2.6 (commencing with Section 10610)
8 for any action taken or report made pursuant to this section. An
9 action taken or report made pursuant to this section shall not be
10 considered part of, amendments to, or changes to, an urban water
11 management plan.

12 (f) The department shall establish an electronic portal through
13 which suppliers shall provide the reports required by this section.
14 The department shall provide the board with access to the reports
15 and data submitted through the portal.

16 SEC. 2. Section 10613.5 is added to the Water Code, to read:

17 10613.5. "Emergency supply" means a water supply identified
18 in the urban water management plan of an urban water supplier
19 that has been developed to increase an urban water supplier's
20 water supply reliability during times of shortage, including, but
21 not limited to, unplanned service disruptions, and is in addition
22 to the water supplies that the agency draws upon during
23 nonshortage times to meet water demands within its service area.

24 SEC. 3. Section 10621 of the Water Code is amended to read:

25 10621. (a) Each urban water supplier shall update its plan at
26 least once every five years on or before ~~December 31~~, July 1, in
27 years ending in ~~five and zero~~, except as provided in subdivisions
28 ~~(d) and (e)~~: one and six.

29 (b) Every urban water supplier required to prepare a plan
30 pursuant to this part shall, at least 60 days before the public hearing
31 on the plan required by Section 10642, notify any city or county
32 within which the supplier provides water supplies that the urban
33 water supplier will be reviewing the plan and considering
34 amendments or changes to the plan. The urban water supplier may
35 consult with, and obtain comments from, any city or county that
36 receives notice pursuant to this subdivision.

37 (c) The amendments to, or changes in, the plan shall be adopted
38 and filed in the manner set forth in Article 3 (commencing with
39 Section 10640).

1 ~~(d) Each urban water supplier shall update and submit its 2015~~
2 ~~plan to the department by July 1, 2016.~~

3 ~~(e) Each urban water supplier shall update and submit its 2020~~
4 ~~plan to the department by July 1, 2021.~~

5 *SEC. 4. Section 10631 of the Water Code is amended to read:*

6 10631. A plan shall be adopted in accordance with this chapter
7 that shall do all of the following:

8 (a) Describe the service area of the supplier, including current
9 and projected population, climate, and other demographic factors
10 affecting the supplier's water management planning. The projected
11 population estimates shall be based upon data from the state,
12 regional, or local service agency population projections within the
13 service area of the urban water supplier and shall be in five-year
14 increments to 20 years or as far as data is available.

15 (b) Identify and quantify, to the extent practicable, the existing
16 and planned sources of water available to the supplier over the
17 same five-year increments described in subdivision (a). ~~If~~

18 (1) *If* groundwater is identified as an existing or planned source
19 of water available to the supplier, all of the following information
20 shall be included in the plan:

21 ~~(1)~~

22 (A) A copy of any groundwater management plan adopted by
23 the urban water supplier, including plans adopted pursuant to Part
24 2.75 (commencing with Section 10750), or any other specific
25 authorization for groundwater management.

26 ~~(2)~~

27 (B) A description of any groundwater basin or basins from which
28 the urban water supplier pumps groundwater. For basins that a
29 court or the board has adjudicated the rights to pump groundwater,
30 a copy of the order or decree adopted by the court or the board and
31 a description of the amount of groundwater the urban water supplier
32 has the legal right to pump under the order or decree. For basins
33 that have not been adjudicated, information as to whether the
34 department has identified the basin or basins as overdrafted or has
35 projected that the basin will become overdrafted if present
36 management conditions continue, in the most current official
37 departmental bulletin that characterizes the condition of the
38 groundwater basin, and a detailed description of the efforts being
39 undertaken by the urban water supplier to eliminate the long-term
40 overdraft condition.

1 ~~(3)~~

2 (C) A detailed description and analysis of the location, amount,
3 and sufficiency of groundwater pumped by the urban water supplier
4 for the past five years. The description and analysis shall be based
5 on information that is reasonably available, including, but not
6 limited to, historic use records.

7 ~~(4)~~

8 (D) A detailed description and analysis of the amount and
9 location of groundwater that is projected to be pumped by the
10 urban water supplier. The description and analysis shall be based
11 on information that is reasonably available, including, but not
12 limited to, historic use records.

13 (2) *If an emergency supply is identified as an existing or planned*
14 *source of water available to the supplier, the supplier shall*
15 *describe how the supply has been established to increase water*
16 *supply reliability during times of shortage and how the supply is*
17 *in addition to the supplies that the agency draws upon during*
18 *nonshortage times to meet water demands within its service area.*

19 (c) (1) Describe the reliability of the water supply and
20 vulnerability to seasonal or climatic shortage, to the extent
21 practicable, and provide data for each of the following:

22 (A) An average water year.

23 (B) A single-dry water year.

24 ~~(C) Multiple-dry water years.~~

25 (C) *Five consecutive dry years consisting of a repeat of the five*
26 *consecutive historic driest years that the urban water supplier has*
27 *experienced, unless the urban water supplier finds that a shorter*
28 *multiple-year dry period would more severely impact its water*
29 *supplies, in which case the urban water supplier shall use that*
30 *shorter period.*

31 (2) For any water source that may not be available at a consistent
32 level of use, given specific legal, environmental, water quality, or
33 climatic factors, describe plans to supplement or replace that source
34 with alternative sources or water demand management measures,
35 to the extent practicable.

36 (d) Describe the opportunities for exchanges or transfers of
37 water on a short-term or long-term basis.

38 (e) (1) Quantify, to the extent records are available, past and
39 current water use, over the same five-year increments described
40 in subdivision (a), and projected water use, identifying the uses

among water use sectors, including, but not necessarily limited to,
all of the following uses:

- (A) Single-family residential.
- (B) Multifamily.
- (C) Commercial.
- (D) Industrial.
- (E) Institutional and governmental.
- (F) Landscape.
- (G) Sales to other agencies.
- (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.
- (I) Agricultural.
- (J) ~~Distribution~~ *Potable distribution* system water loss.

(2) The water use projections shall be in the same five-year increments described in subdivision (a).

(3) (A) ~~For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the~~ *The potable* distribution system water loss shall be quantified for each of the five years preceding the plan update.

(B) The *potable* distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.

(4) (A) If available and applicable to an urban water supplier, water use projections may display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area.

(B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following:

- (i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections.
- (ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and

land use plans. Water use projections that do not account for these water savings shall be noted of that fact.

(f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1) (A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measures that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.

(B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:

(i) Water waste prevention ordinances.

(ii) Metering.

(iii) Conservation pricing.

(iv) Public education and outreach.

(v) Programs to assess and manage *potable* distribution system real loss.

(vi) Water conservation program coordination and staffing support.

(vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.

(2) For an urban wholesale water supplier, as defined in Section 10608.12, a narrative description of the items in clauses (ii), (iv), (vi), and (vii) of subparagraph (B) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.

(g) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water use, as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an

1 estimate with regard to the implementation timeline for each project
2 or program.

3 (h) Describe the opportunities for development of desalinated
4 water, including, but not limited to, ocean water, brackish water,
5 and groundwater, as a long-term supply.

6 ~~(i) For purposes of this part, urban water suppliers that are~~
7 ~~members of the California Urban Water Conservation Council~~
8 ~~shall be deemed in compliance with the requirements of subdivision~~
9 ~~(f) by complying with all the provisions of the “Memorandum of~~
10 ~~Understanding Regarding Urban Water Conservation in~~
11 ~~California,” dated December 10, 2008, as it may be amended, and~~
12 ~~by submitting the annual reports required by Section 6.2 of that~~
13 ~~memorandum.~~

14 ~~(j)~~
15 (i) An urban water supplier that relies upon a wholesale agency
16 for a source of water shall provide the wholesale agency with water
17 use projections from that agency for that source of water in
18 five-year increments to 20 years or as far as data is available. The
19 wholesale agency shall provide information to the urban water
20 supplier for inclusion in the urban water supplier’s plan that
21 identifies and quantifies, to the extent practicable, the existing and
22 planned sources of water as required by subdivision (b), available
23 from the wholesale agency to the urban water supplier over the
24 same five-year increments, and during various water-year types
25 in accordance with subdivision (c). An urban water supplier may
26 rely upon water supply information provided by the wholesale
27 agency in fulfilling the plan informational requirements of
28 subdivisions (b) and (c).

29 *SEC. 5. Section 10631.7 of the Water Code is repealed.*

30 ~~10631.7. The department, in consultation with the California~~
31 ~~Urban Water Conservation Council, shall convene an independent~~
32 ~~technical panel to provide information and recommendations to~~
33 ~~the department and the Legislature on new demand management~~
34 ~~measures, technologies, and approaches. The panel shall consist~~
35 ~~of no more than seven members, who shall be selected by the~~
36 ~~department to reflect a balanced representation of experts. The~~
37 ~~panel shall have at least one, but no more than two, representatives~~
38 ~~from each of the following: retail water suppliers, environmental~~
39 ~~organizations, the business community, wholesale water suppliers,~~
40 ~~and academia. The panel shall be convened by January 1, 2009,~~

1 and shall report to the Legislature no later than January 1, 2010,
2 and every five years thereafter. The department shall review the
3 panel report and include in the final report to the Legislature the
4 department's recommendations and comments regarding the panel
5 process and the panel's recommendations.

6 *SEC. 6. Section 10632 of the Water Code is amended to read:*

7 10632. (a) The plan shall provide an urban water shortage
8 contingency analysis that includes each of the following elements
9 that are within the authority of the urban water supplier:

10 ~~(1) Stages~~

11 *(a) Anticipated stages of action to be undertaken by the urban*
12 *water supplier in response to water supply shortages, including up*
13 *to a 50 percent reduction in water supply, and an outline of specific*
14 *water supply conditions that are applicable to would trigger each*
15 *stage.*

16 ~~(2) An estimate of the minimum water supply available during~~
17 ~~each of the next three water years based on the driest three-year~~
18 ~~historic sequence for the agency's water supply.~~

19 *(b) Communications strategies to inform customers, state*
20 *agencies, elected officials, and others whenever water supply*
21 *shortage conditions require the implementation of the stages of*
22 *action described in subdivision (a).*

23 ~~(3) Actions~~

24 *(c) Anticipated actions to be undertaken by the urban water*
25 *supplier to prepare for, and implement during, a catastrophic*
26 *interruption of water supplies including, but not limited to, a*
27 *regional power outage, an earthquake, or other disaster.*

28 ~~(4) Additional, mandatory prohibitions against specific water~~
29 ~~use practices during water shortages, including, but not limited to,~~
30 ~~prohibiting the use of potable water for street cleaning.~~

31 ~~(5) Consumption reduction methods in the most restrictive~~
32 ~~stages. Each urban water supplier may use any type of consumption~~
33 ~~reduction methods in its water shortage contingency analysis that~~
34 ~~would reduce water use, are appropriate for its area, and have the~~
35 ~~ability to achieve a water use reduction consistent with up to a 50~~
36 ~~percent reduction in water supply.~~

37 ~~(6) Penalties or charges for excessive use, where applicable.~~

38 *(d) Additional anticipated mandatory prohibitions against*
39 *specific water use practices during water shortages.*

(e) Anticipated actions to balance water supply and demand for each water supply shortage stage, including the use of emergency supplies, demand reduction methods, reoperation, or any combination of these actions. Each urban water supplier may use any type of consumption reduction, reoperation approach, or supply augmentation methods in its water shortage contingency analysis that would balance supply and demand, are appropriate for its area, and have the ability to successfully respond to each water supply shortage stage. If an urban water supplier has established an emergency supply, the supplier shall include in the description of actions to be taken when the emergency supply will be used to balance water supply and demand, and the quantity of water from the emergency supply that is planned to be used. An emergency supply designated for use during a water supply shortage shall be fully available for use by the supplier during a shortage and its use shall be at the sole discretion of the urban water supplier.

(f) Anticipated processes for monitoring and ensuring compliance by customers with mandatory prohibitions against specific water use practices and mechanisms to enforce compliance. The analysis shall include a description of the urban water supplier's established method to identify and discourage excessive water use as required by Sections 366 and 367.

~~(7)~~

(g) An analysis of the impacts of each of the actions and conditions described in ~~paragraphs (1) to (6)~~, subdivisions (a) to (f), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.

~~(8) A draft water shortage contingency resolution or ordinance.~~

(h) A description of the water supplier's source of authority for implementing the water shortage actions, as identified in subdivision (e), including any adopted resolutions or ordinances.

~~(9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.~~

~~(b) Commencing with the urban water management plan update due July 1, 2016, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and~~

~~fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.~~

SEC. 7. Section 10635 of the Water Code is amended to read:

10635. (a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, ~~and multiple dry water years.~~ *and, in accordance with subparagraph (C) of paragraph (1) of subdivision (c) of Section 10631, five consecutive dry years or a shorter multiple-year dry period.* The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

(b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.

(c) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.

(d) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers.

SEC. 8. Section 10658 is added to the Water Code, to read:

10658. (a) *It is the intent of the Legislature in enacting this section to do all of the following:*

(1) *Encourage continued investment in water supply reliability and diversification.*

(2) *Incentivize new and protect existing local investments made by urban water suppliers in drought resiliency and drought resilient supplies in order to better prepare local communities and the state for drought and times of shortage.*

(3) *Incentivize new and protect existing local investments in water recycling and potable reuse.*

1 (4) *Encourage local agencies to develop emergency supplies,*
2 *including storage of flood flows in water banks throughout the*
3 *state, to better protect California from the effects of drought.*

4 (5) *Encourage local agencies to take steps to prepare for the*
5 *effects of climate change.*

6 (6) *Ensure that urban water suppliers have adequate supplies*
7 *or take appropriate measures to reduce demand during times of*
8 *drought.*

9 (b) *During a statewide drought, local drought, or water*
10 *shortage, an urban water supplier shall not be required to reduce*
11 *its use or reliance on any water supply available for its use and*
12 *identified in its urban water management plan, or be required to*
13 *take additional actions beyond those specified in its water shortage*
14 *contingency analysis for the level of shortage that is anticipated*
15 *in the annual report required by Section 10609 or the level of*
16 *shortage that it is currently experiencing, whichever is greater.*

17 SECTION 1. ~~Section 10608 of the Water Code is amended to~~
18 ~~read:~~

19 ~~10608. The Legislature finds and declares all of the following:~~

20 ~~(a) Water is a public resource that the California Constitution~~
21 ~~protects against waste and unreasonable use.~~

22 ~~(b) A growing population, climate change, and the need to~~
23 ~~protect and grow California's economy while protecting and~~
24 ~~restoring our fish and wildlife habitats make it essential that the~~
25 ~~state manage its water resources as efficiently as possible.~~

26 ~~(c) Diverse regional water supply portfolios will increase water~~
27 ~~supply reliability and reduce dependence on the Delta.~~

28 ~~(d) Reduced water use through conservation provides significant~~
29 ~~energy and environmental benefits, and can help protect water~~
30 ~~quality, improve streamflows, and reduce greenhouse gas~~
31 ~~emissions.~~

32 ~~(e) The success of state and local water conservation programs~~
33 ~~to increase efficiency of water use is best determined on the basis~~
34 ~~of measurable outcomes related to water use or efficiency.~~

35 ~~(f) Improvements in technology and management practices offer~~
36 ~~the potential for increasing water efficiency in California over~~
37 ~~time, providing an essential water management tool to meet the~~
38 ~~need for water for urban, agricultural, and environmental uses.~~

39 ~~(g) The Governor has called for a 20 percent per capita reduction~~
40 ~~in urban water use statewide by 2020.~~

1 (h) ~~The factors used to formulate water use efficiency targets~~
2 ~~can vary significantly from location to location based on factors~~
3 ~~including weather, patterns of urban and suburban development,~~
4 ~~and past efforts to enhance water use efficiency.~~

5 (i) ~~Per capita water use is a valid measure of a water provider's~~
6 ~~efforts to reduce urban water use within its service area. However,~~
7 ~~per capita water use is less useful for measuring relative water use~~
8 ~~efficiency between different water providers. Differences in~~
9 ~~weather, historical patterns of urban and suburban development,~~
10 ~~and density of housing in a particular location need to be~~
11 ~~considered when assessing per capita water use as a measure of~~
12 ~~efficiency.~~

O



ACTION ITEM

April 19, 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: CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) BOARD OF DIRECTORS CALL FOR NOMINATIONS – SOUTHERN NETWORK REGION, SEAT C FOR THE 2018-2020 TERM

STAFF RECOMMENDATION

Staff recommends that the Committee discuss and determine if a member of the MWDOC Board of Directors would like to be nominated and run for the CSDA Board of Directors Southern Network, "Seat C."

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

CSDA is governed by an 18-member Board of Directors elected by mail ballots. The Board consists of three directors from each of the six networks (Northern, Sierra, Bay Area, Central, Coastal & Southern) throughout California. The Board meets bimonthly in Sacramento to guide the Association's legislative and member benefit programs.

Each CSDA member in good standing is eligible to nominate one person, a board member or managerial employee (as defined by that district's Board of Directors), for election to the CSDA Board of Directors.

A copy of the member district's resolution and Candidate Information Sheet must accompany the nomination. **The deadline for receiving submissions is May 19, 2017.**

The incumbent running for reelection for Southern Network, Seat C is Arlene Schafer from the Costa Mesa Sanitary District.

Additional information from CSDA is attached.

Budgeted (Y/N): N/A	Budgeted amount: n/a	Core ____	Choice ____
Action item amount: none		Line item:	
Fiscal Impact (explain if unbudgeted):			



**California Special
Districts Association**
Districts Stronger Together

DATE: February 17, 2017

TO: CSDA Voting Member Presidents and General Managers

FROM: CSDA Elections and Bylaws Committee

**SUBJECT: CSDA BOARD OF DIRECTORS CALL FOR NOMINATIONS
SEAT C**

The Elections and Bylaws Committee is looking for Independent Special District Board Members or their General Managers who are interested in leading the direction of the California Special Districts Association for the 2018 - 2020 term.

The leadership of CSDA is elected from its six geographical networks. Each of the six networks has three seats on the Board with staggered 3-year terms. Candidates must be affiliated with an independent special district that is a CSDA Regular member located within the geographic network that they seek to represent. (See attached Network Map)

The CSDA Board of Directors is the governing body responsible for all policy decisions related to CSDA's member services, legislative advocacy, education and resources. The Board of Directors is crucial to the operation of the Association and to the representation of the common interests of all California's special districts before the Legislature and the State Administration. Serving on the Board requires one's interest in the issues confronting special districts statewide.

Commitment and Expectations:

- Attend all Board meetings, held every other month at the CSDA office in Sacramento.
- Participate on at least one committee, meets 3-5 times a year at the CSDA office in Sacramento.
(CSDA reimburses Directors for their related expenses for Board and committee meetings as outlined in Board policy).
- Attend CSDA's two annual events: Special Districts Legislative Days - held in the spring, and the CSDA Annual Conference - held in the fall.
- Complete all four modules of CSDA's Special District Leadership Academy within 2 years.
(CSDA does not reimburse for expenses for the two conferences or the Academy classes even if a Board or committee meeting is held in conjunction with the events).

Nomination Procedures: Any Regular Member in good standing is eligible to nominate one person, a board member or managerial employee (as defined by that district's Board of Directors), for election to the CSDA Board of Directors. **A copy of the member district's resolution or minute action and Candidate Information Sheet must accompany the nomination. The deadline for receiving nominations is May 19, 2017.** Nominations and supporting documentation may be mailed or faxed.

Nominees will receive a Candidate's Packet in the mail. The packet will include campaign guidelines.

CSDA will mail ballots on June 2nd. The ballots must be received by CSDA no later than 5:00 p.m. August 4, 2017. The successful candidates will be notified no later than August 8, 2017. All selected Board Members will be introduced at the Annual Conference in Monterey, CA in September 2017.

Expiring Terms

(See enclosed map for Network breakdown)

Northern Network	Seat C Fred Ryness, Burney Water District*
Sierra Network	Seat C Peter Kampa, Saddle Creek Community Services District*
Bay Area Network	Seat C Stanley Caldwell, Mt. View Sanitary District*
Central Network	Seat C Sandi Miller, Selma Cemetery District*
Coastal Network	Seat C Vincent Ferrante, Moss Landing Harbor District*
Southern Network	Seat C Arlene Schafer, Costa Mesa Sanitary District*

(* = Incumbent is running for re-election)

If you have any questions, please contact Beth Hummel at 877-924-CSDA or bethh@csda.net.



**California Special
Districts Association**
Districts Stronger Together

2017 BOARD OF DIRECTORS NOMINATION FORM

Name of Candidate: _____

District: _____

Mailing Address: _____

Network: _____ (see map on back)

Telephone: _____

(PLEASE BE SURE THE PHONE NUMBER IS ONE WHERE WE CAN REACH THE CANDIDATE)

Fax: _____

E-mail: _____

Nominated by (optional): _____

Return this **form and a Board resolution/minute action supporting the candidate
and Candidate Information Sheet** by fax or mail to:

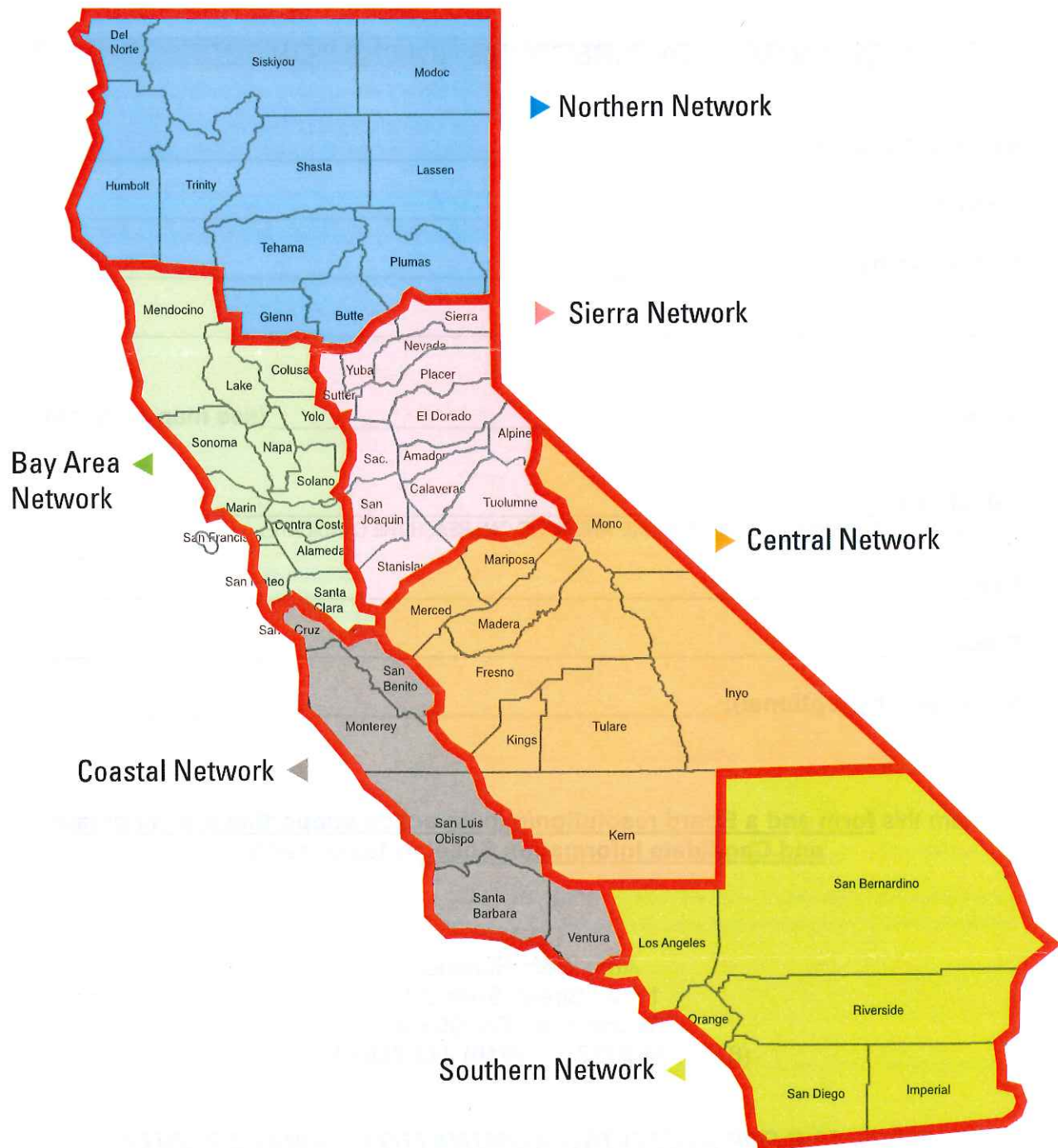
CSDA
Attn: Beth Hummel
1112 I Street, Suite 200
Sacramento, CA 95814
(877) 924-2732 (916) 442-7889 fax

DEADLINE FOR RECEIVING NOMINATIONS – May 19, 2017



California Special Districts Association

DISTRICT NETWORKS





**California Special
Districts Association**
Districts Stronger Together

2017 BOARD OF DIRECTORS NOMINATION FORM

Name of Candidate: _____

District: _____

Mailing Address: _____

Network: _____ (see map on back)

Telephone: _____

(PLEASE BE SURE THE PHONE NUMBER IS ONE WHERE WE CAN REACH THE CANDIDATE)

Fax: _____

E-mail: _____

Nominated by (optional): _____

Return this **form and a Board resolution/minute action supporting the candidate
and Candidate Information Sheet** by fax or mail to:

CSDA
Attn: Beth Hummel
1112 I Street, Suite 200
Sacramento, CA 95814
(877) 924-2732 (916) 442-7889 fax

DEADLINE FOR RECEIVING NOMINATIONS – May 19, 2017

**ACTION ITEM**

April 19, 2017

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

Staff Contact: Damon Micalizzi

SUBJECT: **Authorization to Contract for Social Media Consulting Services for CA WaterFix & EcoRestore Campaign****STAFF RECOMMENDATION**

Staff recommends the Board of Directors authorize entering into a contract with HashtagPinpoint Corporation for strategic social media consulting services for the Municipal Water District of Orange County (MWDOC) California WaterFix & EcoRestore Outreach Campaign at a base cost of \$5,000 per month for three months.

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

On December 5, 2016, the MWDOC Board of Directors unanimously approved a resolution to support the California WaterFix and EcoRestore. Greater public awareness is necessary to further move the needle and elevate the importance of the WaterFix amongst policy makers.

With MWDOC and its Member Agencies looking to grow their social media outreach, staff is proposing a three month contract with Social Media Consultant: HashtagPinpoint Corporation, Editors of the California Drought Monitor, to pilot a WaterFix Social Media Campaign.

Budgeted (Y/N): Yes	Budgeted amount: \$15,000	Core X	Choice __
Action item amount: \$15,000	Line item: 32-7040		
Fiscal Impact (explain if unbudgeted):			

DETAILED REPORT

On December 5, 2016, the MWDOC Board of Directors unanimously approved a resolution to support the California WaterFix and EcoRestore after the MWDOC Orange County Water Reliability Study determined the WaterFix to be the single most cost effective project to achieve reliable water supply for the region into the future. At the time of this report, about a dozen MWDOC Member Agencies and Cities have adopted support positions for the WaterFix. Greater public awareness is necessary to further move the needle and elevate the importance of the WaterFix amongst policy makers.

In January, during MWDOC's regularly scheduled Public Affairs Workgroup (PAW) meeting, agency representatives in attendance were asked what they would like MWDOC to facilitate in the ways of future PAW Meeting sessions. Nearly all in attendance indicated they would like to learn how to more effectively utilize their social media platforms and grow their audiences.

At the following PAW on March 23, 2017, most member agency representatives in attendance indicated that their agency was already supportive of the CA WaterFix or leaning in that direction. Furthermore, those in attendance were supportive of MWDOC promoting the WaterFix as most do not have the time or resources to do so beyond adopting a support position. A subsequent e-mail was sent out to member agencies who were not at the meetings to gauge their positions toward the WaterFix and a MWDOC led WaterFix social media campaign. No opposition was received.

With MWDOC and its Member Agencies looking to grow their social media outreach, after researching and interviewing several firms, staff is proposing a three month contract with Social Media Consultant: HashtagPinpoint Corporation, Editors of the California Drought Monitor, (referenced by multiple news outlets, retweeted by water industry professionals, including MWD General Manager Jeffrey Kightlinger) to pilot a WaterFix Social Media Campaign for three months.

A proposed scope of work is attached.

STANDARD AGREEMENT FOR CONSULTANT SERVICES

Strategic Communications Social Media Consulting

This **AGREEMENT** for consulting services, which includes all exhibits and attachments hereto, "**AGREEMENT**" is made on the last day executed below by and between **MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**, hereinafter referred to as "**DISTRICT**," and, **HASHTAGPINPOINT CORPORATION** hereinafter referred to as "**CONSULTANT**" for **STRATEGIC ISSUE CONSULTING**, hereinafter referred to as "**SERVICES**."¹ **DISTRICT** and **CONSULTANT** are also referred to collectively herein as the "**PARTIES**" and individually as "**PARTY**." The **PARTIES** agree as follows:

I PURPOSE AND SCOPE OF WORK

A. Consulting Work.

DISTRICT hereby contracts with **CONSULTANT** to provide general or special **SERVICES** as more specifically set forth in **Exhibit "B"** attached hereto and incorporated herein. Tasks other than those specifically described therein shall not be performed without prior written approval of **DISTRICT's** General Manager.

B. Independent Contractor.

CONSULTANT is retained as an independent contractor for the sole purpose of rendering professional and/or special **SERVICES** described herein and is not an agent or employee of **DISTRICT**. **CONSULTANT** shall be solely responsible for the payment of all federal, state and local income tax, social security tax, Workers' Compensation insurance, state disability insurance, and any other taxes or insurance **CONSULTANT**, as an independent contractor, is responsible for paying under federal, state or local law. **CONSULTANT** is thus not eligible to receive workers' compensation, medical, indemnity or retirement benefits, including but not limited to enrollment in CalPERS. Unless, expressly provided herein, **CONSULTANT** is not eligible to receive overtime, vacation or sick pay. **CONSULTANT** shall not represent or otherwise hold out itself or any of its directors, officers, partners, employees, or agents to be an agent or employee of **DISTRICT**. **CONSULTANT** shall have the sole and absolute discretion in determining the methods, details and means of performing the **SERVICES** required by **DISTRICT**. **CONSULTANT** shall furnish, at his/her own expense, all labor, materials, equipment and transportation necessary for the successful completion of the **SERVICES** to be performed under this **AGREEMENT**. **DISTRICT** shall not have any right to direct the methods, details and means of the **SERVICES**; however, **CONSULTANT** must receive prior written approval from **DISTRICT** before using any sub-consultants for **SERVICES** under this **AGREEMENT**.

C. Changes in Scope of Work

If **DISTRICT** requires changes in the tasks or scope of work shown in **Exhibit "B"** or additional work not specified therein, **DISTRICT** shall prepare a written change order. If **CONSULTANT** believes work or materials are required outside the tasks or scope of work described in **Exhibit "B,"** it shall submit a written request for a change order to the **DISTRICT**. A change order must be approved and signed by the **PARTIES** before **CONSULTANT** performs any work outside the scope of work shown in **Exhibit "B."** **DISTRICT** shall have no

¹ Pursuant to Section 8002 of the District's Administrative Code, the District's "Ethics Policy" set forth at sections 7100-7111 of the Administrative Code is attached hereto as Exhibit "A" and incorporated herein by this reference.

responsibility to compensate **CONSULTANT** for such work without an approved and signed change order. Change orders shall specify the change in the budgeted amount for **SERVICES**.

II TERM

This **AGREEMENT** shall commence upon the date of its execution and shall extend thereafter for the period specified in **Exhibit "B"** or, if no time is specified, until terminated on thirty (30) days notice as provided herein.

III BUDGET, FEES, COSTS, BILLING, PAYMENT AND RECORDS

A. Budgeted Amount for SERVICES

CONSULTANT is expected to complete all **SERVICES** within the Budgeted Amount set forth on **Exhibit "B."** The total compensation for the **SERVICES** to be performed under this **AGREEMENT** shall not exceed the Budgeted Amount unless modified as provided herein. Upon invoicing the **DISTRICT** 80% of the Budgeted Amount, **CONSULTANT** shall prepare and provide to **DISTRICT** a "cost to complete" estimate for the remaining **SERVICES**. The **PARTIES** shall work together to complete the project within the agreed-upon Budgeted Amount, but the obligation to complete the **SERVICES** within the Budgeted Amount lies with the **CONSULTANT**.

B. Fees

Fees shall be billed per the terms and conditions and at the rates set forth on **Exhibit "B"** for the term of the **AGREEMENT**. Should the term of the **AGREEMENT** extend beyond the period for which the rates are effective, the rates specified in **Exhibit "B"** shall continue to apply unless and until modified by consent of the **PARTIES**.

C. Notification Clause

Formal notices, demands and communications to be given hereunder by either **PARTY** shall be made in writing and may be effected by personal delivery or by registered or certified mail, postage prepaid, return receipt requested and shall be deemed communicated as of the date of mailing. If the name or address of the person to whom notices, demands or communication shall be given changes, written notice of such change shall be given, in accordance with this section, within five(5) working days.

Notices shall be made as follows:

Municipal Water District of O.C.
Robert J. Hunter
General Manager
10500 Ellis Avenue POB 20895
Fountain Valley, CA 92708

HASHTAGPINPOINT CORPORATION, LLC
Kevin Perkins
Chief Operating Officer
806 E. Avenida Pico Suite I – 196
San Clemente, CA 92673

D. Billing and Payment

CONSULTANT's fees shall be billed by the 10th day of the month and paid by **DISTRICT** on or before the 10th of the following month. Invoices shall reference the Purchase Order number from the **DISTRICT**.

DISTRICT shall review and approve all invoices prior to payment. **CONSULTANT** agrees to submit additional supporting documentation to support the invoice if requested by **DISTRICT**. If **DISTRICT** does not approve an invoice, **DISTRICT** shall send a notice to **CONSULTANT** setting forth the reason(s) the invoice was not approved. **CONSULTANT** may re-invoice **DISTRICT** to cure the defects identified in the **DISTRICT** notice. The revised invoice will be treated as a new submittal. If **DISTRICT** contests all or any portion of an invoice, **DISTRICT** and **CONSULTANT** shall use their best efforts to resolve the contested portion of the invoice.

E. Billing Records

CONSULTANT shall keep records of all **SERVICES** and costs billed pursuant to this **AGREEMENT** for at least a period of seven (7) years and shall make them available for review and audit if requested by **DISTRICT**.

IV DOCUMENTS

All **MATERIALS** as defined in Paragraph XI below, related to **SERVICES** performed under this **AGREEMENT** shall be furnished to **DISTRICT** upon completion or termination of this **AGREEMENT**, or upon request by **DISTRICT**, and are the property of **DISTRICT**.

V TERMINATION

Each **PARTY** may terminate this **AGREEMENT** at any time upon thirty (30) days written notice to the other **PARTY**, except as provided otherwise in **Exhibit "B."** In the event of termination: (1) all work product prepared by or in custody of **CONSULTANT** shall be promptly delivered to **DISTRICT**; (2) **DISTRICT** shall pay **CONSULTANT** all payments due under this **AGREEMENT** at the effective date of termination; (3) **CONSULTANT** shall promptly submit a final invoice to the **DISTRICT**, which shall include any and all non-cancelable obligations owed by **CONSULTANT** at the time of termination, (4) neither **PARTY** waives any claim of any nature whatsoever against the other for any breach of this **AGREEMENT**; (5) **DISTRICT** may withhold 125 percent of the estimated value of any disputed amount pending resolution of the dispute, consistent with the provisions of section III D above, and; (6) **DISTRICT** and **CONSULTANT** agree to exert their best efforts to expeditiously resolve any dispute between the **PARTIES**.

VI INSURANCE REQUIREMENTS

CONSULTANT shall obtain prior to commencing work and maintain in force and effect throughout the term of this **AGREEMENT**, all insurance set forth below.

A. Workers' Compensation Insurance

By his/her signature hereunder, **CONSULTANT** certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that **CONSULTANT** will comply with such provisions before commencing the performance of the **SERVICES** under this **AGREEMENT**.

CONSULTANT and sub-consultant will keep workers' compensation insurance for their employees in effect during all work covered by this **AGREEMENT**. An ACORD certificate of insurance or other certificate of insurance satisfactory to **DISTRICT**, evidencing such coverage

must be provided (1) by **CONSULTANT** and (2) by sub-consultant's upon request by **DISTRICT**.

B. Professional Liability Insurance

CONSULTANT shall file with **DISTRICT**, before beginning professional **SERVICES**, an ACORD certificate of insurance, or any other certificate of insurance satisfactory to **DISTRICT**, evidencing professional liability coverage of not less than \$1,000,000 per claim and \$1,000,000 aggregate, requiring 30 days notice of cancellation (10 days for non-payment of premium) to **DISTRICT**.

Such coverage shall be placed with a carrier with an A.M. Best rating of no less than A: VII, or equivalent. The retroactive date (if any) of such insurance coverage shall be no later than the effective date of this **AGREEMENT**. In the event that the **CONSULTANT** employs sub-consultants as part of the **SERVICES** covered by this **AGREEMENT**, **CONSULTANT** shall be responsible for requiring and confirming that each sub-consultant meets the minimum insurance requirements specified herein.

C. Other Insurance

CONSULTANT will file with **DISTRICT**, before beginning professional **SERVICES**, ACORD certificates of insurance, or other certificates of insurance satisfactory to **DISTRICT**, evidencing general liability coverage of not less than \$1,000,000 per occurrence for bodily injury, personal injury and property damage; automobile liability (owned, scheduled, non-owned or hired) of at least \$1,000,000 for bodily injury and property damage each accident limit; workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable); requiring 30 days (10 days for non payment of premium) notice of cancellation to **DISTRICT**. For the coverage required under this paragraph, the insurer(s) shall waive all rights of subrogation against **DISTRICT**, and its directors, officers, agents, employees, attorneys, consultants or volunteers. **CONSULTANT's** insurance coverage shall be primary insurance as respects **DISTRICT**, its directors, officers, agents, employees, attorneys, consultants and volunteers for all liability arising out of the activities performed by or on behalf of the **CONSULTANT**. Any insurance pool coverage, or self-insurance maintained by **DISTRICT**, and its directors, officers, agents, employees, attorneys, consultants or volunteers shall be excess of the **CONSULTANT's** insurance and shall not contribute to it.

The general liability coverage shall give **DISTRICT**, its directors, officers, agents, employees, attorneys, consultants and authorized volunteers additional insured status using ISO endorsement CG2010, CG2033, or equivalent. Coverage shall be placed with a carrier with an A.M. Best rating of no less than A: VII, or equivalents. In the event that the **CONSULTANT** employs sub-consultant as part of the work covered by the **AGREEMENT**, it shall be the **CONSULTANT's** responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified herein.

D. Expiration of Coverage

If any of the required coverages expire during the term of the **AGREEMENT**, **CONSULTANT** shall deliver the renewal certificate(s) including the general liability additional insured endorsement to **DISTRICT** at least ten (10) days prior to the expiration date.

VII INDEMNIFICATION

To the fullest extent permitted by applicable law, **CONSULTANT** shall indemnify, defend and hold harmless **DISTRICT**, its officers, Directors and employees and authorized volunteers, and each of them from and against:

- a. When the law establishes a professional standard of care for the **CONSULTANT's** services, all claims and demands of all persons that arise out of, pertain to, or relate to the **CONSULTANT's** negligence, recklessness or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. **CONSULTANT** shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of or alleged to arise out of **CONSULTANT's** performance or non-performance of the work hereunder, and shall not tender such claims to **DISTRICT** nor its directors, officers, employees, or authorized volunteers, for defense or indemnity.
- b. Any and all actions, proceedings, damages, costs, expenses, penalties or liabilities, in law or equity, of every kind or nature whatsoever, arising out of, resulting from, or on account of the violation of any governmental law or regulation, compliance with which is the responsibility of **CONSULTANT**.
- c. Any and all losses, expenses, damages (including damages to the work itself), attorney's fees and other costs, including all costs of defense, which any of them may incur with respect to the failure, neglect, or refusal of **CONSULTANT** to faithfully perform the work and all of the **CONSULTANT's** obligations under the agreement. Such costs, expenses, and damages shall include all costs, including attorneys' fees, incurred by the indemnified parties in any lawsuit to which they are a party.

CONSULTANT shall defend, at **CONSULTANT's** own cost, expense and risk, any and all such aforesaid suits, actions, or other legal proceedings of very kind that may be brought or instituted against **DISTRICT** or its directors, officers, employees, or authorized volunteers with legal counsel reasonably acceptable to **DISTRICT**.

CONSULTANT shall pay and satisfy any judgment, award or decree that may be rendered against **DISTRICT** or its directors, officers, employees, or authorized volunteers, in any and all such suits, actions, or other legal proceedings.

CONSULTANT shall reimburse **DISTRICT** or its directors, officers, employees, or authorized volunteers, for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing indemnity herein provided.

CONSULTANT's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by **DISTRICT**, or its directors, officers, employees, or authorized volunteers.

VIII FINANCIAL DISCLOSURE AND CONFLICTS OF INTEREST

Although **CONSULTANT** is retained as an independent contractor, **CONSULTANT** may still be required, under the California Political Reform Act and **DISTRICT's** Administrative Code, to file annual disclosure reports. **CONSULTANT** agrees to file such financial disclosure reports upon request by **DISTRICT**. Further, **CONSULTANT** shall file the annual summary of gifts required by Section 7105 of the **DISTRICT's** Ethics Policy, attached hereto as **Exhibit "A."**

Failure to file financial disclosure reports upon request and failure to file the required gift summary are grounds for termination of this **AGREEMENT**. Any action by **CONSULTANT** that is inconsistent with **DISTRICT's** Ethic's Policy current at the time of the action is grounds for termination of this **AGREEMENT**. The Ethics Policy as of the date of this **AGREEMENT** is attached hereto as **Exhibit "A."**

IX PERMITS AND LICENSES

CONSULTANT shall procure and maintain all permits, licenses and other government-required certification necessary for the performance of its **SERVICES**, all at the sole cost of **CONSULTANT**. None of the items referenced in this section shall be reimbursable to **CONSULTANT** under the **AGREEMENT**. **CONSULTANT** shall comply with any and all applicable local, state, and federal regulations and statutes including Cal/OSHA requirements.

X LABOR AND MATERIALS

CONSULTANT shall furnish, at its own expense, all labor, materials, equipment, tools, transportation and other items or services necessary for the successful completion of the **SERVICES** to be performed under this **AGREEMENT**. **CONSULTANT** shall give its full attention and supervision to the fulfillment of the provisions of this **AGREEMENT** by its employees and sub-consultant and shall be responsible for the timely performance of the **SERVICES** required by this **AGREEMENT**. All compensation for **CONSULTANT's SERVICES** under this **AGREEMENT** shall be pursuant to **Exhibit "B"** to the **AGREEMENT**.

Only those **SERVICES**, materials, administrative, overhead and travel expenses specifically listed in **Exhibit "B"** will be charged and paid. No other costs will be paid. **CONSULTANT** agrees not to invoice **DISTRICT** for any administrative expenses, overhead or travel time in connection with the **SERVICES**, unless agreed upon and listed in **Exhibit "B"**.

XI CONFIDENTIALITY AND RESTRICTIONS ON DISCLOSURE

A. Confidential Nature of Materials

CONSULTANT understands that all documents, records, reports, data, or other materials (collectively "**MATERIALS**") provided by **DISTRICT** to **CONSULTANT** pursuant to the **AGREEMENT**, including but not limited to draft reports, final report(s) and all data, information, documents, graphic displays and other items that are not proprietary to **CONSULTANT** and that are utilized or produced by **CONSULTANT** pursuant to the **AGREEMENT** are to be considered confidential for all purposes.

B. No Disclosure of Confidential Materials

CONSULTANT shall be responsible for protecting the confidentiality and maintaining the security of **DISTRICT MATERIALS** and records in its possession. All **MATERIALS** shall be deemed confidential and shall remain the property of **DISTRICT**. **CONSULTANT** understands the sensitive nature of the above and agrees that neither its officers, partners, employees, agents or sub-consultants will release, disseminate, or otherwise publish said reports or other such data, information, documents, graphic displays, or other materials except as provided herein or as authorized, in writing, by **DISTRICT's** representative. **CONSULTANT** agrees not to make use of such **MATERIALS** for any purpose not related to the performance of the **SERVICES** under

the **AGREEMENT**. **CONSULTANT** shall not make written or oral disclosures thereof, other than as necessary for its performance of the **SERVICES** hereunder, without the prior written approval of **DISTRICT**. Disclosure of confidential **MATERIALS** shall not be made to any individual, agency, or organization except as provided for in the **AGREEMENT** or as provided for by law.

C. Protections to Ensure Control Over Materials

All confidential **MATERIALS** saved or stored by **CONSULTANT** in an electronic form shall be protected by adequate security measures to ensure that such confidential **MATERIALS** are safe from theft, loss, destruction, erasure, alteration, and any unauthorized viewing, duplication, or use. Such security measures shall include, but not be limited to, the use of current virus protection software, firewalls, data backup, passwords, and internet controls.

The provisions of this section survive the termination or completion of the **AGREEMENT**.

XII OWNERSHIP OF DOCUMENTS AND DISPLAYS

All original written or recorded data, documents, graphic displays, reports or other **MATERIALS** which contain information relating to **CONSULTANT's** performance hereunder and which are originated and prepared for **DISTRICT** pursuant to the **AGREEMENT** are instruments of service and shall become the property of **DISTRICT** upon completion or termination of the Project. **CONSULTANT** hereby assigns all of its right, title and interest therein to **DISTRICT**, including but not limited to any copyright interest. In addition, **DISTRICT** reserves the right to use, duplicate and disclose in whole, or in part, in any manner and for any purpose whatsoever all such data, documents, graphic displays, reports or other **MATERIALS** delivered to **DISTRICT** pursuant to this **AGREEMENT** and to authorize others to do so.

To the extent that **CONSULTANT** utilizes any of its property (including, without limitation, any hardware or software of **CONSULTANT** or any proprietary or confidential information of **CONSULTANT** or any trade secrets of **CONSULTANT**) in performing **SERVICES** hereunder, such property shall remain the property of **CONSULTANT**, and **DISTRICT** shall acquire no right or interest in such property.

XIII EQUAL OPPORTUNITY

DISTRICT is committed to a policy of equal opportunity for all and to providing a work environment that is free of unlawful discrimination and harassment. In keeping with this commitment, **DISTRICT** maintains a policy prohibiting unlawful discrimination and harassment in any form based on race, religious creed, color, national origin, ancestry, physical or mental disability, medical condition, pregnancy or childbirth, marital status, gender, sex, sexual orientation, veteran status or age by officials, employees and non-employees (vendors, contractors, etc.).

This policy applies to all employees, consultants and contractors of the **DISTRICT** whom the **DISTRICT** knows or has reason to know are violating this policy. Appropriate corrective action will be taken against all offenders, up to and including immediate discharge or termination of this **AGREEMENT**. During, and in conjunction with, the performance of this **AGREEMENT**, **CONSULTANT** shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, marital status or national origin.

XIV INTEGRATION OF ALL OTHER AGREEMENTS

This **AGREEMENT**, including any Exhibits and Addenda, contains the entire understanding of the **PARTIES**, and there are no further or other agreements or understandings, written or oral, in effect between the **PARTIES** hereto relating to the subject matter hereof. Any prior understanding or agreement of the **PARTIES** shall not be binding unless expressly set forth herein and, except to the extent expressly provided for herein, no changes of this **AGREEMENT** may be made without the written consent of both **PARTIES**.

XV ATTORNEYS' FEES

In any action at law or in equity to enforce any of the provisions or rights under this **AGREEMENT**, the prevailing **PARTY** shall be entitled to recover from the unsuccessful **PARTY** all costs, expenses and reasonable attorney's fees incurred therein by the prevailing **PARTY** (including, without limitations, such costs, expense and fees on any appeals), and if such prevailing **PARTY** shall recover judgment in any such action or proceeding, such costs, expenses, including those of expert witnesses and attorneys' fees, shall be included as part of this judgment.

XVI JURISDICTION AND VENUE SELECTION

In all matters concerning the validity, interpretation, performance, or effect of this **AGREEMENT**, the laws of the State of California shall govern and be applicable. The **PARTIES** hereby agree and consent to the exclusive jurisdiction of the courts of the State of California and that venue of any action brought hereunder shall be in Orange County, California.

IN WITNESS WHEREOF, the **PARTIES** have hereunto affixed their names as of the day and year thereafter, which shall be and is the effective date of this **AGREEMENT**.

APPROVED BY:

CONSULTANT ACCEPTANCE:

Date _____
Robert Hunter, General Manager
Municipal Water District of Orange County
10500 Ellis Avenue, POB 20895
Fountain Valley, CA 92708
714/963-3058

Date _____
Kevin Perkins, Chief Operating Officer
HASHTAGPINPOINT CORPORATION
806 E. Avenida Pico
Suite I – 196
San Clemente, CA 92673
Phone: (949) 370-6924
Tax I.D. # 47-2288888

<p style="text-align: center;">Internal Use Only:</p> <p>Program No. _____</p> <p>Line Item: _____</p> <p>Funding Year: _____</p> <p>Contract Amt.: _____</p> <p>Purchase Order # _____</p>
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EXHIBIT "A"

ETHICS POLICY	§7100-§7111
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§7100 PURPOSE

The policy of MWDOC is to maintain the highest standards of ethics from its Board members, officers and employees (all shall be referred to as employees for the purposes of this section). The proper operation of MWDOC requires decisions and policy to be made in the proper manner, that public office not be used for personal gain, and that all individuals associated with MWDOC remain impartial and responsible toward the public. Accordingly, all employees are expected to abide by the highest ethical standards and integrity when dealing on behalf of MWDOC with fellow Board members or employees, vendors, contractors, customers, and other members of the public.

§7101 RESPONSIBILITIES OF BOARD MEMBERS

Board members are obliged to uphold the Constitution of the United States and the Constitution of the State of California and shall comply with all applicable laws regulating Board member conduct, including conflicts of interest and financial disclosure laws. No Board member or officer shall grant any special consideration, treatment, or advantage to any person or group beyond that which is available to every other person or group in the same circumstances.

§7102 PROPER USE OF MWDOC PROPERTY AND RESOURCES

Except as specifically authorized, no employee shall use or remove or permit the use or removal of MWDOC property, including MWDOC vehicles, equipment, telephones, office supplies, and materials for personal convenience or profit. No employee shall require another MWDOC employee to perform services for the personal convenience or profit of another employee. Each employee must protect and properly use any MWDOC asset within his/her control, including information recorded on paper or in electronic form. Employees shall safeguard MWDOC property, equipment, monies, and assets against unauthorized use or removal, as well as from loss due to criminal act or breach of trust.

Employees are responsible for maintaining written records, including expense reports, in sufficient detail to reflect accurately and completely all transactions and expenditures made on MWDOC's behalf. Creating a document with misleading or false information is prohibited.

Motion - 1/17/96;

§7103 CONFLICT OF INTEREST

All MWDOC Directors, officers, and employees at every level shall comply with the requirements of Section 1090 of the California Government Code which prohibits such persons from being financially interested in any contract made by them in their official capacity, or by any body or board of which they are members, or from being a purchaser at any sale or a vendor at any purchase made by them in their official capacity.

All Directors and employees designated under MWDOC's Conflict of Interest Code ("designated employees") and employees required to report under Chapter 7, Article 2 of the Political Reform Act (Government Code Section 7300 et seq.) shall promptly and fully comply with all requirements thereof.

MWDOC employees who are not designated employees under MWDOC's Conflict of Interest Code shall refrain from participating in, making a recommendation, or otherwise attempting to influence MWDOC's selection of a contractor, consultant, product, or source of supply if the non-designated employee, or an immediate family member, has a direct or indirect financial interest in the outcome of the selection process. No employee shall use his/her position with MWDOC in any manner for the purpose of obtaining personal favors, advantages or benefits for him/herself or an immediate family member from a person or entity doing business or seeking to do business with MWDOC. Such favors, advantages, or benefits would include, but are not limited to: 1) offers of employment; 2) free or discounted goods or services; or 3) gifts.

§7104 GIFTS

No employee shall accept, directly or indirectly, any compensation, reward or gift from any source except from MWDOC, for any action related to the conduct of MWDOC business, except as set forth below:

1. Acceptance of food and refreshments of nominal value on infrequent occasions in the ordinary course of a breakfast, luncheon or dinner meeting or other meeting or on an inspection tour where the arrangements are consistent with the transaction of official business.*
2. Acceptance of transportation, lodging, meals or refreshments, in connection with attendance at widely attended gatherings sponsored by industrial, technical or professional organizations; or in connection with attendance at public ceremonies or similar activities financed by nongovernmental sources where the employee's participation on behalf of MWDOC is the result of an invitation addressed to him or her in his/her official capacity, and the transportation, lodging, meals or refreshment accepted is related to, and is in keeping with, his/her official participation.*
3. Acceptance of unsolicited advertising or promotional materials such as pens, pencils, note pads, calendars, or other items of nominal value.*
4. Acceptance of plaques and commemorative mementoes, of nominal value, or of value only to the recipient, such as service pins, recognition awards, retirement mementoes.
5. Acceptance of incidental transportation from a private organization provided it is furnished in connection with an employee's official duties and is of the type customarily provided by the private organization.

* Nothing herein shall be deemed to relieve any Director or designated employee from reporting the value of such meals, transportation, lodging or gifts and abstaining from participation in any decision of MWDOC which could foreseeably have a material financial effect on the donor when the value of such gifts reaches the limits set forth in MWDOC's Conflict of Interest Code and the Political Reform Act.

In no event shall any employee accept gifts from any single source, the cumulative value of which exceeds the applicable gift limit under California law.

A gift or gratuity, the receipt of which is prohibited under this section, shall be returned to the donor. If return is not possible, the gift or gratuity shall be turned over to a public or charitable institution without being claimed as a charitable deduction and a report of such action and the reasons why return was not feasible shall be made on MWDOC records. When possible, the donor also shall be informed of this action.

Motion - 1/17/96;

§7105 PERSONS OR COMPANIES REPORTING GIFTS

All persons and companies doing business with MWDOC, with the exception of public agencies, shall submit a summary, by January 31 of each calendar year, of all gifts claimed for internal vendor audits (including meals) made to, or on behalf of, employees or Directors of MWDOC, or their immediate family members, that have occurred in the normal course of business during the previous calendar year. Failure to provide this information to MWDOC may result in the termination of MWDOC business with that person or company.

Motion - 7/21/93; Motion - 8/18/93;

§7106 USE OF CONFIDENTIAL INFORMATION

Confidential information (i.e., information which is exempt from disclosure under the California Public Records Act) shall not be released to unauthorized persons unless the disclosure is approved by the Board, President of the Board, or General Manager. Employees are prohibited from using any confidential information for personal advantage or profit.

§7107 POLITICAL ACTIVITIES

Employees are free to endorse, advocate, contribute to, or otherwise support any political party, candidate, or cause they may choose; however, employees are prohibited from soliciting political funds or contributions at MWDOC facilities. In any personal political activity an employee may be involved in, it shall be made clear that the employee is acting personally and not for MWDOC.

§7108 IMPROPER ACTIVITIES

Employees shall not interfere with the proper performance of the official duties of others, but are strongly encouraged to fulfill their own moral obligations to the public, MWDOC, and its member agencies by disclosing, to the extent not expressly prohibited by law, improper activities within their knowledge. No employee shall directly or indirectly use or attempt to use the authority or influence of his/her position for the purpose of intimidating, threatening, coercing, commanding, or influencing any person with the intent of interfering with that person's duty to disclose improper activity.

§7109 VIOLATION OF POLICY – STAFF AND STAFF OFFICERS

If an employee is reported to have violated MWDOC's Ethics Policy, the matter shall be referred to the General Manager for investigation and consideration of any appropriate action warranted which may include employment action such as demotion, reduction in salary, or termination. If a Board appointed officer (Secretary, Treasurer or General Manager) is reported to have violated MWDOC's Ethics Policy, the matter shall be referred to the Executive Committee for investigation and consideration of any appropriate action.

Motion - 1/17/96;

§7110 VIOLATION OF POLICY -- DIRECTORS

A perceived violation of this policy by a Director should be referred to the President of the Board or the full Board of Directors for investigation, and consideration of any appropriate action warranted. A violation of this policy may be addressed by the use of such remedies as are available by law to MWDOC, including, but not limited to: (a) adoption of a resolution expressing disapproval of the conduct of the Director who has violated this policy, (b) injunctive relief, or (c) referral of the violation to MWDOC Legal Counsel and/or the Grand Jury.

§7111 PERIODIC REVIEW OF CONFLICT OF INTEREST AND ADMINISTRATIVE GUIDELINES

During the first quarter of the year immediately following an election (every two years), the Board shall meet to review and/or receive a presentation that addresses principles relating to reporting guidelines on compensation, conflict of interest issues, and standards for rules of conduct.

Please note If using Consultant's proposal as Exhibit "B" to supplement or the standard Exhibit "B" Form below, BOTH Parties must verify that all sections of this form are FULLY ADDRESSED and the appropriate Exhibit is attached and labeled accordingly

EXHIBIT "B"

SCOPE OF WORK, TERMS OF AGREEMENT AND TERMS AND CONDITIONS FOR BILLING

Company: HASHTAGPINPOINT CORPORATION Name: Kevin Perkins 806 E. Avenida Pico Suite I – 196 San Clemente, CA 92673 Phone: 714/937-1005 Tax I.D. # 47-2288888
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1. **Term** – Commencement April 25, 2017 Termination June 25, 2017.
2. **Fees/Rates** to be billed - \$5,000/month
3. **Budgeted Amount** – Compensation is to be on a "time and material" basis, not to exceed \$15,000. **CONSULTANT's** fees shall be billed by the 25th day of the month and paid by the **DISTRICT** on or before the 15th of the following month. Invoices shall reference the Purchase Order number from the **DISTRICT**.
4. Upon invoicing **DISTRICT** 80% of the contract amount, **CONSULTANT** shall prepare and provide to **DISTRICT** a "cost to complete" estimate for the remaining work.
5. **Scope of Work/Services** – *See Attached Proposal*
6. **Consultant Representatives:** KEVIN PERKINS & PASQUALE TALARICO

HashtagPinpoint™

Damon Micalizzi,
Director of Public Affairs
Municipal Water District of Orange County (MWDOC)
18700 Ward Street
Fountain Valley, CA 92708
Phone: 714-593-5014
E-Mail: dmicalizzi@mwdoc.com

Dear Damon,

Thank you for your interest in **#P**. We are grateful for the opportunity to bid on your project. Below is a proposal of the services we would offer for your projects.

If you have any questions, please advise—thanks!

Sincerely,

A large, stylized, handwritten signature in black ink, likely belonging to Kevin, the Co-Founder & COO. The signature is written over a large, light gray background watermark that reads "#P™".

Co-Founder & COO
M: 949-370-6924
E: kevin@hashtagpinpoint.com

CA Water Fix Awareness Pilot

Objective

- Create social advocacy messaging for the *California WaterFix* project

Details

- **Audience Development** – Using our algorithm, the FB Graph, and external lists/sources, #P will develop segmented audiences that will allow us to push targeted messages to specific groups about specific issues within specific areas
- **Strategy** – #P will work with client to: a) build social media messaging strategy, b) adapt the strategy as it is impacted by events, c) set realistic goals or objectives for the messaging
- **Messaging** – #P will produce social media messages (proper content length, attention-grabbing headlines, images, videos, etc) using best/effective practices
- **Analytics** – #P will provide ad metrics to measure reach and gauge effectiveness
- **Social Listening** – #P will listen, obtain, and analyze Twitter data based on specific queries or questions
- **Social Advocacy Network** – As appropriate, #P will provide additional distribution into water-related advocacy pages within its network (CA Drought Monitor, CA Agg Monitor, et al)

Engagement

- A (3) month pilot; \$5,000 per month, includes:
 - Establish baseline audiences, identify opportunities, provide metrics
 - Develop FB strategy, messaging & tactics
 - Produce FB content: post organic stories, manage reputation/comments, link to influencers, create promercials/oppomercials
 - Advertise 12 posts per month, independent of existing MWDOC social activity
 - Listening objective = (2) posts
 - Video posts = (3) posts
 - Media buys included

Notes

- This proposal includes Facebook-only content; a separate order is required for mirrored content on Twitter
- Other standard digital agency services are available (SEO optimization, website creation/maintenance, mobile app development, etc); please inquire as needed



ACTION ITEM

April 19, 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: ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA) POLICY
STATEMENT ON BAY-DELTA FLOW REQUIREMENTS**

STAFF RECOMMENDATION

Staff recommends that the Board adopt the attached resolution in support of ACWA's policy statement on Bay-Delta flow requirements.

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

SUMMARY

ACWA's Board of Directors has adopted a strong policy statement urging the State Water Resources Control Board to set aside its problematic "unimpaired flow" approach to setting new water quality objectives in the Bay-Delta watershed.

The statement calls on the State Water Board to heed Governor Brown's call for negotiated agreements, which have been proven successful in achieving positive ecological outcomes while maintaining water supply reliability. ACWA believes the state's policy on flows should embrace a collaborative, comprehensive approach that protects and promotes both water supply reliability and ecosystem health.

The State Water Board staff proposal to base new water quality objectives on a "percentage of unimpaired flow" could lead to widespread fallowing of agricultural land and negatively

Budgeted (Y/N): n/a	Budgeted amount: n/a	Core ____	Choice ____
Action item amount: none		Line item:	
Fiscal Impact (explain if unbudgeted):			

affect water reliability for much of the state's population. The singular focus on unimpaired flow is incompatible with the state's policy of coequal goals and other broader policy commitments in the Brown Administration's California Water Action Plan.

This proposal would undermine investments in storage, adversely impact the drinking water quality of disadvantaged communities, increase groundwater overdraft in a part of the state where groundwater basins are already out of balance, and put large amounts of agricultural land out of production.

The draft resolution and ACWA's policy statement on the Bay-Delta Flow requirements is attached.

Resolution No. XXXXXXX

Resolution of the Board of Directors The Municipal Water District of Orange County In Support of the Association of California Water Agencies' Policy Statement on Bay-Delta Flow Requirements

WHEREAS, it is the adopted policy of the Municipal Water District of Orange county to facilitate the implementation of the California WaterFix and EcoRestore, the co- equal goals of reliable water supply and ecosystem restoration, and related policies that provide long term, comprehensive solutions for the San Francisco Bay/Sacramento-San Joaquin River Delta that: provides reliable water supplies to meet California's short- and long- term needs; improves the ability to transport water across the Delta either for, or in supplement to, State Water Project deliveries; improves the quality of water delivered from the Delta; enhances the Bay-Delta's ecological health in a balanced manner that takes into account all factors that have contributed to its degradation; and employs sound scientific research and evaluation to advance the co-equal goals of improved water supply and ecosystem sustainability; and

WHEREAS, California is facing a defining moment in water policy that will be substantially impacted by the State Water Resources Control Board's approach to water quality objectives under the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta; and

WHEREAS, the State Water Board has the responsibility for updating the Bay-Delta Plan in a manner that establishes water quality objectives that ensure the reasonable protection of all beneficial uses of water in a way that is consistent with the coequals goals of improving water supply reliability and protecting, restoring and enhancing the Delta ecosystem and with respect to the commitments made in the California Water Action Plan; and

WHEREAS, the State Water Board staff's current proposal, which focuses singularly on an "unimpaired flow" approach, is irreconcilable with a policy of coequal goals of improving both water supply reliability and ecosystem health; it is also inconsistent with the broader water policy objectives of the Brown Administration; and

WHEREAS, the ACWA Board of Directors has unanimously adopted a strong policy statement calls for a better approach that can more effectively achieve ecological objectives while maintaining water supply reliability. The statement calls on the State Water Board to set aside its "unimpaired flow" approach and heed Gov. Jerry Brown's call for negotiated agreements, which have been successful on many rivers and tributaries in California.

WHEREAS, the ACWA statement notes that to be successful, the state's flow policy must be consistent with the principles of collaboration, comprehensive solutions, science, functional flows, economic considerations, consistency with state policy, and leadership; and

WHEREAS, California's local urban and agricultural water managers are united in their vision for a future that includes a vibrant California economy as well as healthy ecosystems and fish populations, and believe that vision is best achieved through a comprehensive, collaborative approaches;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Municipal Water District of Orange County hereby supports ACWA's Policy Statement on Bay-Delta Flows and encourages the State Water Resources Control Board to embrace the approach articulated in ACWA's policy statement.



ACWA POLICY STATEMENT ON BAY-DELTA FLOW REQUIREMENTS

COLLABORATIVE APPROACH IS KEY TO CALIFORNIA'S FUTURE

California is facing a defining moment in water policy. A staff proposal under consideration by the State Water Resources Control Board presents a decision point about the future we want for California and its communities, farms, businesses and ecosystems. The State Water Board's staff proposal to base new water quality objectives on a "percentage of unimpaired flow" would have impacts that ripple far beyond water for fish.

The proposal could lead to widespread fallowing of agricultural land, undercut the state's groundwater sustainability goals, cripple implementation of the Brown Administration's California Water Action Plan, negatively affect water reliability for much of the state's population and impact access to surface water for some disadvantaged communities that do not have safe drinking water. These effects are not in the public's interest.

Local water managers overwhelmingly believe the proposal's singular focus on "unimpaired flow" is the wrong choice for the state's future. California's urban and agricultural water managers are united in their vision for a future that includes a healthy economy as well as healthy ecosystems and fish populations. That vision is best achieved through comprehensive, collaborative approaches that include "functional" flows as well as non-flow solutions that contribute real benefits to ecosystem recovery.

On behalf of its more than 430 member public agencies serving urban and agricultural customers throughout the state, the Association of California Water Agencies (ACWA) adopts the following policy statement regarding the State Water Board's proposed approach to updating the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta.

LOCAL SUCCESS STORIES

Collaborative efforts have been successful on many rivers in the Bay-Delta watershed.

Lower Yuba River: A voluntary, collaborative settlement among Yuba County Water Agency, California Department of Fish and Wildlife, National Marine Fisheries Service, PG&E and conservation groups resolved 20 years of controversy and resulted in a continuing program to improve 24 miles of salmon and steelhead habitat while protecting water rights and the needs of local communities. State Water Board members have specifically recognized the value of the agreement, which was formally implemented in 2008.

Lower American River: A broad representation of water suppliers, environmental groups, local governments and others negotiated an historic agreement that led to a flow management standard that was successfully incorporated into a 2009 biological opinion issued by the National Marine Fisheries Service.

Feather River: Six years of negotiations among water users, fisheries agencies and environmental groups yielded a comprehensive agreement that includes a habitat improvement program with specific flow and temperature requirements to accommodate spawning salmon and steelhead. The State Water Board adopted the agreement, with some modification, in 2010 as a water quality certification under the federal Clean Water Act.

CHOOSING OUR VISION FOR CALIFORNIA'S WATER FUTURE

Since 2009, state law has required water resources to be managed in a way that achieves the coequal goals of improving water supply reliability for California and protecting, restoring and enhancing the Delta ecosystem. ACWA and its public water agency members believe that policy requires a commitment from state agencies and stakeholders to advance both water supply and environmental goals together. ACWA and its members further believe that effective implementation of the coequal goals requires transparent, collaborative processes and comprehensive solutions.

In 2014, the Brown Administration released its California Water Action Plan outlining priority actions addressing water-use efficiency, groundwater sustainability, ecological restoration, Delta conveyance solutions, water storage, safe drinking water and more. Embedded in the plan is the Brown Administration's commitment that planned actions "will move California toward more sustainable water management *by providing a more reliable water supply for our farms and communities*, restoring important wildlife habitat and species, and helping the state's water systems and environment become more resilient."

ACWA believes the policy of coequal goals and the commitment embedded in the California Water Action Plan have the potential to put California on a path that includes a vibrant agricultural and urban economy and a healthy ecosystem.

ACWA and its members believe the unimpaired flow approach proposed by State Water Board staff undercuts and threatens that potential and cannot lead us to the future we want for California. Simply put, any strategy that would result in vast amounts of agricultural land going out of production and ultimately reduce water supply reliability for the majority of Californians is irreconcilable with a policy of coequal goals and blatantly inconsistent with the water policy objectives of the Brown Administration.

ACWA strongly supports the collaborative approach called for by Governor Jerry Brown to move these important decisions out of adversarial processes and into negotiated, comprehensive agreements. The following principles can assure success in that endeavor.

A BETTER PATH TO THE FUTURE

The State Water Board is responsible for updating the Bay-Delta Plan in a manner that establishes water quality objectives that ensure the reasonable protection of all beneficial uses of water (including domestic, municipal, agricultural and industrial supply; power generation; recreation; aesthetic enjoyment; navigation; and preservation and enhancement of fish, wildlife, and other aquatic resources) while considering past, present and probable future beneficial uses, environmental characteristics, water quality conditions and economic considerations, among other things. (See California Water Code Section 13241.) It also has a responsibility to update the plan in a way that is consistent with the coequal goals and respects and implements the commitments made in the California Water Action Plan.

ACWA and its members urge the State Water Board to set aside the unimpaired flow approach and heed Governor Brown's call for negotiated agreements. ACWA believes that a successful flows policy must be consistent with the following principles:

- **Collaboration:** The governor has called for work on a comprehensive agreement on environmental flows in both the San Joaquin and Sacramento River basins. He has asked that State Water Board members and staff prioritize analysis and implementation of voluntary agreements. Further, the Brown Administration committed in the California Water Action Plan that the State Water Board and the California Natural Resources Agency will work with stakeholders to encourage negotiated implementation of protective Delta standards. ACWA strongly supports the collaborative approach called for by the governor because it is the least contentious, most effective way to achieve the coequal goals. Negotiated agreements have been demonstrably successful at achieving outcomes and widespread support for appropriate environmental flows; forced

regulations have not yielded the same track record. The State Water Board should wholly embrace this approach and allow enough time for it to work.

- **Comprehensive Solutions:** A successful collaborative approach will require comprehensive solutions for both water supply and ecosystem management. Water users will need to continue and build on their commitment to integrated resources management in order to maintain reliability without undue impacts on the ecosystem. Similarly, ecosystem managers will need to focus on the entire life cycle of affected species and multiple variables, such as predation, food, and habitat availability to develop integrated management portfolios that accomplish ecosystem goals without undue impacts on water supply. Utilizing the single variable proposed in the "percentage of unimpaired flow" approach will not achieve the desired ecological outcomes and is, by far, the most destructive policy approach from the perspective of protecting and improving water supply. ACWA firmly believes the ecological outcomes can be achieved with even better results through a comprehensive approach that considers multiple solutions and benefits.
- **Science:** The State Water Board needs to incorporate the best available science to inform its work and assist with the development of voluntary settlement agreements. The unimpaired flow approach, in which flow objectives are not tied to any specific ecological outcome, fails to incorporate the best available science. As noted above, the updated plan needs to focus on the entire life cycle of affected species and multiple variables, such as predation, food, and habitat availability, and incorporate relevant current scientific information. Science alone cannot identify the best policy choice, but it can inform us about the policy tradeoffs we confront and help structure integrated solutions that provide ecosystem benefits with far less impact on water supply, the California economy and the public interest.



FUNCTIONAL FLOWS: A BETTER APPROACH

Sacramento Valley: Sacramento Valley water users and conservation partners are working together to advance a new generation of innovative projects to promote salmon recovery.

Over the past two and a half years, 12 projects have been completed through the Sacramento Valley Salmon Recovery Program to address fish passage, improve the timing of flows and increase habitat for salmon and other species. Priority projects have included removal of structural barriers to fish passage, modifying riffles, eliminating predator habitat, restoring floodplains and creating side channel spawning and rearing areas.

In addition, program partners are exploring creative ways to reconnect water with the land in floodplains and agricultural areas to enhance habitat and food production and create rearing habitat in rice fields.

While each of these collaborative projects provides independent value, implementation of the entire comprehensive suite is generating unique benefits that can significantly improve ecological outcomes for salmon in the Sacramento Valley.

Merced River: Merced Irrigation District has spent millions of dollars and decades undertaking intense and in-depth scientific research on the Merced River. This research has included analysis of flows, temperatures, biological resources and habitat. MID is poised to put this research into action through its Merced S.A.F.E. Plan (Salmon, Agriculture, Flows, and Environment) to provide certainty for both the environment and local water supply in Eastern Merced County.

The plan would provide increased flows using science to dictate the amounts and timing, restore critical sections of habitat for spawning and rearing juvenile salmon, protect local drinking water quality, upgrade an existing salmon hatchery with state-of-the-art facilities and reduce predation.

Based on in-depth science and technologically advanced computer modeling, MID seeks to take immediate action and dramatically benefit salmon on the Merced River.

- **Functional Flows:** Science shows that functional flows have very promising benefits for fish as well agricultural and urban water users. Timed and tailored for specific purposes, functional flows can benefit species in ways that unimpaired flow requirements cannot. Examples abound of collaborative, innovative projects currently underway by local water agencies and stakeholders that include functional flows and non-flow solutions that reconnect land and water to restore habitat and address the full life cycle of species needs. These efforts contribute real benefits to ecosystem recovery while maintaining water supply reliability.
- **Economic Considerations:** The State Water Board has a statutory obligation to consider economic impacts when establishing water quality objectives that reasonably protect all beneficial uses of water. Having a robust economic analysis is critical. The board also has a policy obligation under the coequal goals to ensure its actions related to a revised Bay-Delta Plan increase water supply reliability and thereby allow for a healthy, growing agricultural and urban economy in California.
- **Consistency with State Policy:** ACWA urges the State Water Board to heed the governor's direction and recognize that achieving the coequal goals will lead to a more reliable water supply and healthy ecosystem. Pursuing the coequal goals should be a guiding principle for the board's decisions related to adopting a revised Bay-Delta Plan. The State Water Board also should ensure that its decisions on the Bay-Delta Plan enable, rather than obstruct, the implementation of the California Water Action Plan.
- **Leadership:** The best policy choice will come through the give and take of the negotiating process and the enlightened leadership of the State Water Board members. Ultimately, the board must establish water quality objectives that ensure the reasonable protection of all beneficial uses of water as it implements negotiated solutions. The State Water Board should actively engage in this work and lead in a manner that is grounded in an awareness of how its actions can affect the implementation of the California Water Action Plan and the achievement of the coequal goals.

ACWA and its members have taken a strong policy position in support of comprehensive solutions such as those outlined in the California Water Action Plan. We stand ready to work with the Brown Administration to pursue the collaborative and comprehensive approaches needed to ensure a future for California that includes a vibrant agricultural and urban economy and a healthy ecosystem.

**ACTION ITEM**

April 19, 2017

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

Staff Contact: Jonathan Volzke/Laura Loewen

SUBJECT: Resolution for Retiring MET Director Robert Wunderlich**STAFF RECOMMENDATION**

Staff recommends the Board of Directors consider adopting a Resolution for retiring MET Director Robert Wunderlich.

COMMITTEE RECOMMENDATION

The Committee will review this item on April 17, 2017 and make a recommendation to the Board.

DETAILED REPORT

Robert Wunderlich represented the City of Beverly Hills on the Metropolitan Water District of Southern California Board of Directors since 2007, but is resigning his seat because he was elected to the Beverly Hills City Council in November.

Mr. Wunderlich developed a reputation on the Board as being fiscally conservative while working for a sustainable reliable water supply. During his tenure, he served as Chair of the Audit Committee, Chair of the Personnel and Technology Committee, Chair of the Legal Committee, and Vice Chair of the Finance Committee;

(attachment: Wunderlich resolution)

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

RESOLUTION

OF THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

...

HONORING ROBERT WUNDERLICH FOR HIS SERVICE TO THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

WHEREAS, Mr. Robert “Bob” Wunderlich represented the City of Beverly Hills from 2007 to 2017 as a Director of the Metropolitan Water District of Southern California;

WHEREAS, Much of the time that Bob served was marked by difficult decisions and hard choices as California suffered through one the worst droughts in state history, as well as the first-ever state mandated conservation standards;

WHEREAS, Bob was highly qualified to meet the challenges as a Metropolitan Director, with an MBA from the UCLA Anderson School of Management, as well as a Ph.D. in Chemical Physics and an MA in Physics from Harvard University and a BA in Chemistry from Columbia University, as well as being Registered Professional Chemical Engineer;

WHEREAS, Bob was an active Director during his tenure at Metropolitan, serving as Chair of the Audit Committee, Chair of the Personnel and Technology Committee, Chair of the Legal Committee, and Vice Chair of the Finance Committee;

WHEREAS, Bob dedicated his time and expertise to ensure the residents of Beverly Hills and all of the 19 million residents in the Metropolitan service area had a reliable and sustainable water supply despite the historic drought and other challenges;

WHEREAS, An expert on budgets and finance, Bob was always mindful that *“It is other people’s money that I am spending when I act on behalf of the public;”*

WHEREAS, Bob served the community outside of his duties on Metropolitan as well, as an active supporter of Bet Tzedek, a provider of free legal assistance to more than 10,000 people of every racial and religious background;

WHEREAS, It was, ironically, that desire to serve his community that led Bob to step down from his role as a Metropolitan Director: In November, he was elected to a seat on the Beverly Hills City Council;

NOW, THEREFORE, BE IT RESOLVED: The Board of Directors of the Municipal Water District of Orange County wishes to thank Bob for his service to the Metropolitan District of Southern California and wish him well in his endeavors on the Beverly Hills City Council and beyond.

ADOPTED, SIGNED AND APPROVED this 19th day of April, 2017.

President
Wayne S. Osborne
and of the Board of Directors thereof

Secretary
Maribeth Goldsby
and of the Board of Directors thereof

SAMPLE

GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES APRIL 2017

Managers' Meeting	<p>MWDOC held its Managers' meeting on March 16, 2017 at its office in Fountain Valley. In attendance were Marc Marcantonio and Steve Conklin (YLWD); David Spitz (Seal Beach); Bob Hill (ETWD); Hector Ruiz (TCWD); Scott Miller (Westminster); Dave Rebensdorf (San Clemente); Matt Collings (MNWD); Chris Regan (LBCWD); Mark Pelica (Mesa Water); Brian Ragland (Huntington Beach); Andy Brunhart (SCWD); Dan Ferons (SMWD); Eric Bauman (San Juan Capistrano); Art Valenzuela (Tustin); Lisa Ohlund (EOCWD); Paul Cook and Paul Weghorst (IRWD); John Kennedy (OCWD); Karl Seckel; Harvey De La Torre; Charles Busslinger; Heather Baez; Keith Lyon; Kevin Hostert; Bryce Roberto; Kelly Hubbard; and myself of staff.</p> <p>The agenda included the following:</p> <ol style="list-style-type: none"> 1. MWDOC FY 17-18 First Draft Budget 2. MWDOC's Reserve Policy 3. Water Supply Report and Oroville Update 4. Quagga Discovered in SWP East Branch 5. MET's Proposed Fixed Treatment Charge 6. WEROC Radio Replacement 7. Letters of Commitment for updating Hazard Mitigation Plan 8. OC Water Challenge 9. OC Flood Control Potential License Fees Update <p>The next meeting is scheduled for April 20, 2017.</p>
Poseidon Resources	<p>Karl and I met with Scott Maloni and Andy Kingman of Poseidon Resources to discuss the Poseidon Project and schedules for permitting and to discuss various aspects of whether MET would provide the LRP funding for the project. It was noted that MET is currently visiting the LRP discussions under its IRP Committee.</p>
Santa Margarita Water District	<p>Karl, Harvey and I met with Santa Margarita Water District (SMWD) and their consultant Dudek & Associates to discuss options for delivering water from the upper Santa Ana Watershed based on the SMWD agreement with Cucamonga Valley Water District. Key to the discussion was how MET would account for the water under their Water Supply Allocation Plan, which would be as a "local supply" and not as an "extraordinary supply." Further work on the transfer will be conducted.</p>

MET ITEMS CRITICAL TO ORANGE COUNTY

MET's Water Supply Conditions	<p><u>Water Supply Conditions for 2017</u></p> <p>After multiple months of above average precipitation, the month of March was slightly below average. For the month of March 2017, accumulated precipitation was 6.4 inches, which is 0.5 inches below normal compared to the historical average. The Northern California accumulated precipitation (8-Station Index) is reporting 83 inches or 201% of normal as of March 29. The Northern Sierra Snow Water Equivalent is at 40.8 inches as of March 29, which is 147% of normal. Due to the large snowpack, it is predicted that Northern California runoff will be 208% of normal. All major State and Federal Reservoirs are at or above their historical averages; and the total delta inflow at Clifton Court and Jones Pumping Plant are currently at maximum flow (140,600 cubic feet per second). Unfortunately, due to some operational constraints and Clifton Court Forebay maintenance issues, total combined delta pumping is only 3,750 cubic feet per second as of March 29.</p> <p>Based on these conditions and the ongoing uncertainty of how Oroville Dam will be operated this spring/summer, the Department of Water Resources (DWR) has not changed the State Water Project (SWP) "Table A" allocation from 60%. This allocation will provide MET with approximately 1,146,900 AF in SWP deliveries this water year; already equal to MET's final SWP allocation last year.</p> <p>On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. As of March 27, 2017, snowpack measured at 122% of normal for that date. Due to the above average snowpack/precipitation, Lake Mead levels have improved slightly and the Bureau of Reclamation is now projecting that there will be no shortages on the lake for at least two years. In June 2016, Lake Mead levels hit an historical level of 1,071 feet above sea level. As of the end of February 2017, the lake elevation is 1,090 feet above sea level.</p>
MET's Finance and Rate Issues	<p><u>MET Financial Report</u></p> <p>At the March MET Finance and Insurance Committee, MET staff presented water sales through February that were 42.2 TAF (3.7%) lower than budgeted and 108.9 TAF lower than the 5-year average. The slight decline over the past two months is a result of low replenishment deliveries to groundwater agencies.</p>

MET's Finance and Rate Issues (Continued)	<p>Comparing MET's fiscal year 2016-17 investments to the benchmark, the short-term portfolio balance increased to \$54.2 million from January to February 2017 and has resulted in an increase of approximately 0.19% for fiscal year 2016-17. However, the fiscal year 2016-17 net of fees long-term portfolio has continued to decrease, with a \$10,000 (-0.12%) underperformance balance.</p> <p><u>Fixed Treatment Charge Workgroup</u></p> <p>Per Board Action (in April 2016), MET Member Agency Managers were asked to form a workgroup with MET staff to develop a Fixed Treatment Charge proposal for Board consideration. At the February and March 2017 MET Finance and Insurance Committee meetings, the workgroup provided the MET Board with a conceptual proposal that 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 MET Board is expected to take action on the Treatment Charge Workgroup's proposed policy principles, recommended treatment capacity charge, and treatment capacity charge implementation at the April 10 and 11, 2017 Committee and Board Meetings.</p>
Colorado River Issues	<p><u>Salton Sea Restoration Related Actions</u></p> <p>The California Natural Resources Agency (CNRA) issued the Salton Sea Management Program Phase I: 10-Year Plan (SSMP) on March 16, 2017. The SSMP was developed at the direction of the Governor's Salton Sea Task Force, created in May 2015, which directed agencies to develop a comprehensive management plan for the Salton Sea that will: (1) meet a short-term goal of implementing 9,000-12,000 acres of habitat and dust suppression projects; and (2) set a medium-term plan to construct 18,000 - 25,000 acres of habitat and dust suppression projects. A 2016 Memorandum of Understanding between the United States Department of the Interior (Interior) and CNRA memorialized these goals and provided a framework for cooperation between the relevant federal and state agencies in SSMP implementation. The State Water Resources Control Board (State Water Board) and California Air Resources Board will provide oversight on the progress of the SSMP. The SSMP includes a number of "shovel-ready projects," however, there continues to be a funding gap between the cost of these projects and the funds committed to date.</p>

Colorado River Issues (Continued)	<p>Additionally, on March 16, the Imperial Irrigation District (IID), Imperial County, and the Imperial County Air Pollution Control District submitted a motion for an evidentiary hearing to the State Water Board. The parties are seeking a hearing on their 2014 petition asking the State Water Board to modify Revised Order WRO 2002-0013 to give the State Water Board, rather than the CNRA, responsibility for the oversight of Salton Sea restoration. The State Water Board's Order 2002-0013 authorized the transfer of water from IID to San Diego County Water Authority and required that deliveries of 800,000 acre-feet of Quantified Settlement Agreement Transfer mitigation water be delivered to the Salton Sea from 2003 through 2017. The final deliveries of mitigation water will be made later this year.</p> <p>In the letter submitted with the motion, the parties described the draft SSMP as "substantial progress toward the roadmap for restoration," but noted that the current SSMP "identifies an unfunded obligation on the part of the state of California in excess of \$300 million over the next decade." The letter contends that the State must make an explicit commitment to "treat" the 28,000 acres of playa expected to be exposed during the next decade and specifically asks for inclusion of renewable energy sources in the SSMP. The parties are asking the State Water Board to start a hearing no later than July 17, 2017 and issue a decision no later than December 15, 2017. MET would be a party to the hearing and provide any relevant testimony as appropriate.</p> <p><u>Letter to Secretary of Interior Ryan Zinke</u></p> <p>On March 8, the Governor's representatives of the seven Colorado River Basin states sent a letter to recently appointed Secretary of the Interior, Ryan Zinke. This letter: (1) seeks Interior's support for the ongoing collaborative efforts regarding Drought Contingency Planning; (2) asks Interior to continue working with Mexico to provide certainty in use of Colorado River water; (3) continue Interior's productive engagement with the basin states; and (4) continue Interior's recognition of the importance of state-driven water management solutions. MET staff is actively engaged in the collaborative efforts of the basin states and Interior, including efforts such as development of a Drought Contingency Plan</p>
Bay Delta/State Water Project Issues	<p><u>MET White Papers</u></p> <p>MET staff will be developing three white papers in preparation for the MET Board to take an official position on the California WaterFix. The issues covered by the white papers will include:</p> <ol style="list-style-type: none"> 1) Physical Infrastructure 2) Operations (including reliability) 3) Cost allocation/Finance

Bay Delta/State Water Project Issues (Continued)	<p><u>California WaterFix</u> As reported previously, the 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 (CWF) Biological Opinions. MET staff attended the independent review panel meeting held in January 2017. On March 10, the final Independent Review Panel Report for the 2016-2017 California WaterFix Aquatic Science Peer Review Phase 2B was released to the public. Overall, the review panel found improvement in the state and federal fish agencies' approaches to assessing potential impacts of CWF, however, the panel noted that there could be clarification in the way the CWF elements fit together to contribute to the protection of the Endangered Species Act listed species. MET staff is reviewing the review panel report and is continuing to evaluate the analytical tools and scientific information used in developing the CWF Biological Opinions.</p> <p><u>State Water Resources Control Board</u> 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 California Department of Water Resources (DWR). The deadline for submitting rebuttal testimony is March 23, and the hearings for the Part 1 rebuttal will start on April 25, 2017. Part 2 of the hearings, which are scheduled to begin once the Environmental Impact Report/Environmental Impact Statement 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>As reported in previous months, MET staff continues to participate in several aspects of the SWRCB Bay-Delta Water Quality Control Plan (WQCP) update process in collaboration with the SWC. The Phase 1 update of the WQCP addresses requirements for salinity in the southern Delta and San Joaquin River flows. MET staff worked with the SWC to submit written comments on the Phase 1 document on March 17. The comment letter expresses concern that previous comments provided by the SWC have not been addressed, and also reiterates concerns with the use of unimpaired flow as a compliance metric and the requirement for the State Water Project and Central Valley Project to install temporary barriers in the south Delta.</p> <p><u>Science Activities</u> MET staff continues to participate in the Collaborative Science and</p>
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Bay Delta/State Water Project Issues (Continued)	<p>Adaptive Management Program, providing input to current Delta smelt studies and to the development of work plans addressing priority salmon and Delta smelt science questions. In March, MET staff participated in meetings addressing the National Marine Fisheries Service's analytical tools, including a new salmon life cycle model, that are being used in developing the CWF biological opinions. 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 in the CAMT Delta Smelt Scoping Team Outflow workgroup and the Flow Alteration Project Work Team. These working groups are developing a conceptual model and general research questions that would be important for promoting survival of Delta smelt. This information will inform development of an adaptive management plan for evaluating the effects of potential summer and/or fall flow actions. The actions consist of using augmented flows for the purposes of enhancing Delta smelt survival by increasing flows in the Sacramento River and/or in the Yolo Bypass.</p> <p><u>Delta Flood Emergency Management Plan</u></p> <p>DWR advises that recent flood emergency operations in northern California successfully demonstrates agency mobilization, command center implementation, and resources of a scale and type similar to that required for the repair of Delta levees following a severe earthquake. An additional contract has been bid for warehouse rehabilitation and waterside loading facilities to further support emergency materials stockpiling at the DWR north Weber parcel in Stockton. This complements other stockpiling, warehousing and loading operations at the Rio Vista and Stockton sites. The California Office of Emergency Services indicates that their Northern California Catastrophic Flood Management Plan covering a broad array of federal emergency activities, including the Delta, is approaching completion and will be available for agency review in early summer. Freshwater pathway operations employ selected channel closures receiving water from the Sacramento River in the north Delta to facilitate fresh water movement toward the central Delta and head of the freshwater pathway near the San Joaquin River. The emergency response tool (ERT) model demonstrates pathway development and export resumption generally in the range of six months. Further model runs to include temporary closure of the Sacramento River downstream of Georgiana Slough are being performed to demonstrate response under the most critical water years and seismic emergencies to further influence freshwater flows toward the central Delta and freshwater pathway. DWR will prepare an Appendix covering ERT runs as part of the Delta Flood Emergency Management Plan.</p>
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ENGINEERING & PLANNING	
Baker Treatment Plant	On February 6, 2017, the Treatment Plant was officially on-line and operational 24-hours a day. MWDOC and the project participants are metering and invoicing for the water pumped into the South County Pipeline. During February and March, the Baker Plant treated Irvine Lake Water under a performance test protocol and also because of a MET Lower Feeder shutdown that took away the plants ability to treat MET Colorado River water.
Doheny Desalination Project	<p>South Coast Water District (SCWD) is continuing to move the project forward and to seek potential partners and grant funding. The CEQA process has been temporarily put on hold to evaluate the results of a recent geotechnical survey indicating a potentially wider and deeper alluvial channel that may allow for additional and/or alternative slantwell locations. The evaluation was completed April 7, 2017.</p> <p>On March 22, 2017 SCWD held a 'Value for Money' workshop attended by Karl, Charles and me. The workshop included a presentation of risks and benefits of different methods of financing, building, and operating a potential seawater desalination plant at Doheny State Beach.</p>
Poseidon Resources Ocean Desalination Project in Huntington Beach	On March 20, 2017, OCWD sent a letter to Santa Ana Regional Water Quality Control Board indicating the CEQA process for distributing water from a potential Huntington Beach Desalination Project would be placed on hold until the facility is permitted. Poseidon is continuing to work on permitting issues, which are estimated to be completed in early 2018.
Orange County Reliability Study	Staff is currently working with CDM Smith to complete follow-up work on the 2016 study. The work is expected to be completed in 4 to 5 months.
MET Metering Work Group	MET has started a workgroup to evaluate criteria for installation of alternative flow meters (i.e. mag meters) that expand the flow measurement range to include lower flows than can currently be measured with existing meters (i.e. venturi meters). Staff will participate in the monthly workgroup meetings over the next six months (the P&O packet includes an item to authorize technical support for staff in this process). We believe the authorization to utilize the full range of metering allowed by mag meters will provide great flexibility to our member agencies.

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.
Service Connection CM-1	Laguna Beach CWD and Newport Beach are continuing to study alternative methods of delivery of the water to avoid complications with the CM-1 meter. We are awaiting the outcome of the studies.
North and Central Orange County Integrated Regional Watershed Management Area (IRWM) Plan Update	The County of Orange and OCWD have begun a stakeholder process to update and consolidate the 2011/2012 Integrated Regional Watershed Management Area (IRWM) Plans for North and Central Orange County. The new plan could be part of the Santa Ana Watershed Project Authority (SAWPA) One Water One Watershed (OWOW) Plan for the Santa Ana IRWM funding area. Or, it could become the basis to separate the North/Central OC into a separate IRWM funding area for future grant funds, mirroring the South OC funding area within the San Diego IRWM funding area. Charles will participate in the newly formed Ad-Hoc committee to develop the goals and objectives of the plan.
Multi-State Salinity Coalition Conference	<p>In Las Vegas, Charles attended the Multi-State Salinity Coalition Conference February 28 – March 3, 2017. The conference included a site visit to the Las Vegas Wash and Lake Mead to get an overview of the 380 cfs tertiary treated sewage base flow from the Las Vegas Valley back to Lake Mead; as well as erosion control and habitat restoration efforts in the Wash. The conference included several presentations on brackish water desalination projects including current efforts to find a replacement for the Colorado River Paradox Valley Project brine disposal injection well, as the current 20-year old well has reached the end of its useful life after disposing of 2.2 million tons of salt.</p> <p>Also of note was a presentation on the May 2017 opening of a 'full recovery' desalination plant in El Paso, which looks to 'mine' desalination brine discharges from the adjacent Kay Bailey Hutchison Desalination Plant to produce gypsum, fertilizer, caustic solution, and bromide brine. This type of 'zero discharge' facility is technically feasible, but the economics are highly subject to transportation costs for the produced products.</p>
San Juan Basin Authority	Charles attended the March 14, 2017 San Juan Basin Authority (SJBA) meeting. Norris Brandt (formerly with IRWD and Elsinore Valley MWD) is the new SJBA Administrator. Groundwater pumping in the basin has resumed on a limited basis (90 AF every two weeks for the City of San Juan Capistrano, and 36 AF every two weeks for South Coast WD). In April the spring storage volume will be calculated and a new pumping allocation will be set based on the 2016 Adaptive Management Plan.

San Juan Basin Authority (Continued)	The EIR for the San Juan Watershed Project is currently being prepared by Santa Margarita WD. Phase 1, scheduled to be completed in the Summer of 2018, is designed to capture wet and dry weather runoff, while subsequent phases will look to introduce recycled water into San Juan Creek for Indirect Potable Reuse. The updated cost estimate for the Phase 1 Rubber Dams has been reduced from \$34 M to \$15 M.
SOCWMA	On March 23, 2017, Marilyn Thoms, Executive Officer of the South OC Watershed Management Area (SOCWMA) Executive Committee, met with SOCWMA Executive Committee member, Director Yoo Schneider, and Karl, Joe and Charles to provide an overview of the goals and objectives of the organization.
South Coast WD/Santa Margarita WD	Karl and Charles attended the Joint Board meeting between South Coast Water District and Santa Margarita Water District. Each agency provided an overview of upcoming efforts towards developing local projects as they examined areas of potential coordination between the organizations. The meeting was very productive in setting the future stage for closer relations between the two organizations.
SAC	Karl attended the Santiago Aqueduct Commission meeting where the budget was approved for the upcoming year. Karl discussed briefly the upcoming project whereby MET would be installing a steel lining of approximately 9 miles of the lower AMP in the next 5 to 10 years. After the meeting, Karl and Kevin Hostert conducted a short discussion with the staff of the various SAC agencies to examine options to supply water to all agencies with an extended outage of the lower AMP, possibly for as long as 6 months at a time. Once MET hires its project consultant for this project, further discussions will occur.
CDR/South Coast WD	Karl, Charles, Joe and Kevin met with Deborah Diep from CDR and Joe McDivitt from South Coast Water District (SCWD) to discuss the population estimates and housing vacancy rates for SCWD. At issue is whether the population estimates fully account for the summer level of population influx and how much of a water demand remains when houses are left vacant for long periods of the year and how this impacts the measurement of gallons per capita per day. Further work is needed to quantify these issues for any coastal agency with a high influx of summertime population.
Santa Margarita Water District	Director Jeff Thomas and Karl presented the first draft of MWDOC's budget to the SMWD Board. It was a good exchange of information. Feedback from SMWD included: <ul style="list-style-type: none"> • They do not support the addition of the two Governmental Affairs positions; the SMWD request for seeking grant funds was originally made under the assumption that MWDOC could rearrange what we are currently doing to help the member agencies with seeking grants or other federal funds.

Santa Margarita Water District (Continued)	<ul style="list-style-type: none"> • The Board felt that MWDOC could collect the appropriate information and share it with the member agencies with remaining actions by the member agency • Support for any new position would have to be based on an evaluation of “what missed or lost opportunities” are happening now to properly reflect the need for any new positions.
OCWD Producers' Meetings	<p>Keith, Charles and Kevin attended the March Producers meeting where discussion included: FY17/18 Draft Budget; the Possibility of purchasing large quantities of MET water; and a new projection of the 6/30/17 Accumulated Overdraft (AO). Regarding the draft budget, the proposed FY17/18 BPP is 75% with an RA of \$445/AF. OCWD's Board will set the BPP & RA at the April 19 meeting. The new projected AO for 6/30/17 is 320,000 AF, which is about 59,000 AF better than the AO on 6/30/16.</p> <p>In April, Keith and Charles attended the meeting where discussion included FY17/18 Draft Budget; the Possibility of purchasing large quantities of MET water; Modifying the policy for providing GWRS water; Modifying the water resources policy; FY17/18 RA & ARA; and a North and South Basin update.</p>
EMERGENCY PREPAREDNESS	
Coordination with WEROC Member Agencies	<p>Kelly Hubbard met with OCWD emergency coordination and public affairs staff regarding AlertOC and its potential use for notification during the Children's Water Festival. Kelly reviewed AlertOCs' various functions and how to get the system set-up for the festival.</p> <p>Kelly met with the cities of Garden Grove and La Habra on the process to update Hazard Mitigation Plans. WEROC will be facilitating an update of a joint plan for the water utilities in the coming year. The OC Regional Water and Wastewater Hazard Mitigation Plan is a 20 agency plan that includes information regarding these cities' water and wastewater systems.</p> <p>Karl and Kelly met with Management Staff from the Orange County Sanitation District regarding the WEROC Budget & Program.</p> <p>Kelly pulled together a small group of MWDOC department managers to review the MWDOC Continuity of Operations (COOP) updated plan. The group discussed possible policies, responses and needs. Staff is asking for Board approval of this plan this month.</p>

Training and Programs	<p>Kelly provided Janine Schunk, WEROC Administrative Assistant, and Francisco Soto, WEROC Coordinator, with WebEOC Training.</p> <p>Kelly facilitated a Continuity of Operations finance discussion for the MWDOC Finance team, Janine, and Francisco. The goal was to identify critical functions of finance, and what resources would be needed offsite to get these activities done.</p>
Coordination with the County of Orange	Kelly attended the March Orange County Emergency Management Organization (OCOMO) meeting at John Wayne Airport. The speaker was the former Emergency Manager for LAX and he spoke about the 2013 LAX shooting and response.
Coordination with the County of Orange (Continued)	<p>Kelly attended the Orange County Operational Area (OA) Executive Board Training, as a voting member for ISDOC and representative for water and wastewater utilities.</p> <p>The Operational Area Emergency Management is starting a 2-year revision of the Orange County Operational Area (OA) Agreement. The OA Agreement outlines how the County of Orange Emergency Management Division will operate the OA Emergency Operations Center on behalf of the 115 government jurisdictions within the geographic boundary of the County in order to coordinate emergency response information and resources. Janine attended the initial OA Agreement Kick-Off Meeting. The group will be meeting monthly for 2 years to complete this process. The intention of this process is to create an updated agreement that reflects current operational concepts and that all 115 jurisdictions sign the revised agreement.</p> <p>Kelly and Francisco attended the OA WebEOC Meeting. The purpose of the meeting was to have an After Action discussion of how WebEOC worked during the winter storms. Kelly facilitated the After-Action discussion on behalf of the County staff. This process is critical to ensure the system will work as expected during events, especially larger events.</p>
Coordination with Outside Agencies	Kelly is facilitating the California Water/Wastewater Agency Response Network (CalWARN) State-wide Steering Committee Election Process. CalWARN has not had a regional election process for many years and the group felt it was appropriate to have a full election process state-wide. Kelly helped to develop the protocols and set-up electronic ballots. Results will be announced at the Annual Meeting on April 12.
WEROC Emergency Operations Center (EOC) Readiness	Staff successfully participated in the February MARS and Operational Area radio tests and continues to do individual tests with Member Agencies on the WEROC Radio. Kelly met with County Communications Staff to further clarify radio system needs and processes. A survey has been distributed to the member agencies to better understand their current communications systems and how that might impact the WEROC radio project.

WATER USE EFFICIENCY

California Water Efficiency Partnership

On March 8, Joe Berg chaired the Governance and Finance Committee of the California Water Efficiency Partnership (Cal-WEP, formerly CUWCC). Topics of discussion included:

Finance Items

- Approve Minutes of November 2, 2016 Finance Meeting
- Approve 2016 Q4 Financials for Board Packet
- Implementation Plan for New Name
- Stipend for Directors
- Interim Executive Director's Report

Governance Items

- Approve Minutes of November 2, 2016 Governance Meeting
- Potential Bylaws and Committee Structure Revisions
- Conflicts of Interest Policy
- Alliance for Water Efficiency Relationship Committee Update
- Peer to Peer 2 Update
- DWR Inquiry
- Suggestions for Plenary Topics
- Interim Executive Director's Report

The next Governance and Finance Committee meeting is scheduled for April 27 at the Cal-WEP office.

On March 15, Joe chaired the Cal-WEP Board meeting. Agenda items:

- Introductions
- Adoption of Consent Calendar
- Implementation Plan for New Name
- Stipend for Directors
- Interim Executive Director's Report
- Potential Bylaws and Committee Structure Revisions
- Conflicts of Interest Policy
- AWE Relationship Committee Update
- Peer to Peer 2 Update
- DWR Inquiry

The next Cal-WEP Board meeting is scheduled for May 16 at MWDOC.

Cal-WEP (Continued)	<p>On March 29, Joe met with Mary Ann Dickinson, Executive Director for the Alliance for Water Efficiency (AWE). AWE is a national non-profit organization promoting urban water use efficiency. The discussion focused on the Cal-WEP Executive Director search and the relationship between Cal-WEP and the AWE.</p> <p>On April 5, Joe chaired the Cal-WEP Membership Committee meeting, which was hosted by Solano County Water Agency. More than 50 agency representatives from throughout California attended the meeting.</p>
MET's Water Use Efficiency Workgroup	<p>On March 16, Joe attended MET's Water Use Efficiency Workgroup meeting. Approximately 30 member agencies participated in the meeting. Agenda items included:</p> <ul style="list-style-type: none"> • MET's March Conservation Board Actions • Moulton Niguel WD and UC Riverside Research Partnership on Rebate Programs • Eastern Municipal WD New Drip Program and Distribution Event • City of Corona Recognition Program for Recycled Water Users • Member Agency Roundtable <p>The next Workgroup meeting is scheduled for May 18 at MET.</p>
Orange County Water Loss Control Workgroup	<p>On March 23, MWDOC hosted a meeting of the Orange County Water Loss Control Workgroup. The meeting focused on an Automated Metering Infrastructure Panel presentation and facilitated discussion. Panel members and topics presented included:</p> <ul style="list-style-type: none"> • Mark Sprague, City of Fountain Valley <ul style="list-style-type: none"> ○ Wholesale Meter Change-out and Dealing with Data • Jennifer Gowers, City of Huntington Beach <ul style="list-style-type: none"> ○ Phased Implementation Pros and Cons • Amy McNulty, Irvine Ranch Water District <ul style="list-style-type: none"> ○ AMI Feasibility Study and Outcome • Matt Collings, Moulton Niguel Water District <ul style="list-style-type: none"> ○ Piloting District Metered Areas <p>This meeting was attended by more than 40 operations, water use efficiency, management, and finance staff from member agencies. The next meeting is scheduled for May 9 at MWDOC.</p>
Association of California Cities – Orange County	<p>On April 7, Joe and Jonathan participated in the Association of California Cities – Orange County Housing Infrastructure Tour. Participants in the tour visited different housing options offered</p>

Association of California Cities – Orange County (Continued)	throughout North, Central, and South Orange County to learn about the opportunities and challenges facing the development of housing in the County. Special presentations were provided by the Honorable Mike Posey - Mayor Pro Tempore for the City of Huntington Beach, Matt Buck - Vice President of Public Affairs for the California Apartment Association, Mike Ruane - Executive Vice President of National CORE, and Scott Larson - Executive Director of Homeaid O.C.
Orange County Water Use Efficiency Coordinators' Workgroup	<p>On April 6, Joe, Beth Fahl, Steve Hedges, Matthew Conway, Rachel Waite, and Jonathan Volzke hosted the Orange County Water Use Efficiency Coordinators' Workgroup meeting at MWDOC where about 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 <ul style="list-style-type: none"> ○ ACWA Legislative Proposal for Long Term Restrictions • Public Affairs/Marketing Update <ul style="list-style-type: none"> ○ Wyland Foundation National Mayor's Challenge ○ OC Water Summit Save the Date ○ Boy Scout Soil and Water Conservation Merit Badge Clinic ○ Water Awareness Poster Contest ○ Pacific West Association of Realtors Water Conservation Door Hangers ○ Marketing for Turf Removal, Spray to Drip, Nozzles, and Timers • Water Use Efficiency Programs Update <ul style="list-style-type: none"> ○ Landscape Design Assistance Program ○ Multi-Family Direct Install Program ○ Spray to Drip Rebate Program ○ Turf Removal and Spray to Drip PAC Volunteers • CalWEP Update <p>The next meeting is scheduled for May 4 at MWDOC.</p>
PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	The Public Affairs staff coordinated and hosted a Public Affairs Workshop for member agencies.

Member Agency Relations (Continued)	<p>Laura designed a flyer for the Water Loss Control Workshop featuring AMI.</p> <p>Ivan, Jonathan, Sarah Rae, Jessica Lieu and Leah Frasier worked the Children's Water Festival at UCI.</p> <p>Jonathan attended the Water Use Efficiency Workgroup meeting.</p> <p>Heather created a survey for the member agency managers to gather feedback on two budget items – federal grants assistance and federal affairs.</p> <p>Damon, Tiffany and Jonathan attended the MET PIO meeting.</p> <p>Ivan and Bryce brought Ricki Raindrop to the City of Westminster's 2017 Spring Festival.</p>
Community Relations	<p>Jonathan and Joe attended the ACC-OC Infrastructure Tour of housing in OC.</p> <p>Director Larry Dick, Jonathan and Charles attended the South OC Economic Coalition meeting.</p> <p>Heather and I met with Brandon Ida and Tiffany Giammona from ACWA to discuss how MWDOC can be more engaged in ACWA's overall efforts. The ACWA staff members also briefed us on their efforts to gather support for their Bay-Delta Flows resolution.</p> <p>Tiffany and Bryce attended Curt Pringle's annual Spring Forward, Give Back event.</p>
Education	<p>Jonathan and Laura hosted Sue Sims, MET staffer, at a Los Alamitos high school visit.</p> <p>Jonathan and Laura met with Monica McDade and Bradley Wedekind-Flores, Girl Scouts of Orange County, to brainstorm ways to develop a Scout program.</p> <p>Directors Yoo Schneider and Tamaribuchi, the OC Department of Education contractors, Damon and Jonathan attended a meeting to discuss the countywide education campaign.</p> <p>Jonathan attended the El Toro High School Water Expo with representatives from El Toro Water District and OC Department of Education.</p>

Media Relations	<p>Jonathan and I met with a writer from the OC Register for the CHOICE magazine article.</p> <p>Jonathan coordinated a national NPR report that included me.</p> <p>Jonathan, Bryce and Tiffany posted to Facebook and Twitter as appropriate with water-related messages that further MWDOC's goals.</p>
Special Projects	<p>At IRWD on April 1, Ivan, Jonathan, Sarah Rae and Matthew Conway worked as counselors at a Boy Scout Merit Badge Clinic. More than 70 Scouts earned their Soil & Water Conservation merit badges. Laura handled advance registration and sent an after-event survey.</p> <p>Bryce, Damon, Jonathan, Joe and Charles met with representatives from Water: UCI on potential internships and special projects.</p> <p>Jonathan coordinated the one-on-one meetings between Stetson Engineering and the participating agencies for the 2016 Consumer Confidence (water quality) Reports.</p> <p>Heather and Laura sent out the ISDOC Quarterly Luncheon invitation, coordinated for the member spotlights, and managed the registration. Heather staffed the event.</p> <p>Laura staffed the monthly ISDOC Executive Committee Meeting.</p> <p>Heather and Laura participated in conference calls with Director Jim Fisler and Marnie Primmer, Executive Director for OCCOG, to discuss continued membership.</p> <p>Laura completed and distributed the 2017 ISDOC Directory.</p> <p>Heather staffed the WACO Planning meeting and the April WACO meeting featuring guest speaker Greg Woodside from OCWD, who updated the group on the Prado Dam.</p> <p>Heather participated in the ACWA Bay-Delta Flow Policy Webinar.</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. May 5, Director McKenney, Diamond Valley Lake 2. June 23-25, Director Ackerman, CRA/Hoover

Special Projects (Continued)	<p>Damon and Tiffany attended a MET sub-group meeting on building/rebuilding websites. The group consists of representatives from MET, MWDOC, Central Basin MWD, the City of Glendale, Upper San Gabriel Valley WD, Las Virgenes MWD and the City of Long Beach. Tiffany provided a presentation to the group on the process to-date of the MWDOC website rebuild project.</p> <p>MWDOC hosted a Water Policy Forum & Dinner featuring guest speaker Jeffrey Kightlinger, General Manager and Chief Executive Officer of the MET. Some 225 guests registered for the event, 195 guests attended. This was the first event MWDOC has hosted at the Great Wolf Lodge in Garden Grove. The Public Affairs Team coordinated the event including hotel and speaker logistics, registration and guest and reserved table needs. Several email invitations were developed and emailed to potential attendees, and a post-event survey was distributed following the event. Graphic materials such as programs and table tents were created by staff and social media outreach was posted to Facebook and Twitter. An etched "OC Tap Water" bottle was presented to the speaker at the conclusion of the event.</p> <p>Tiffany and Bryce met with Josh Ivey at A Premiums to provide an outline of events and activities for which MWDOC provides promotional items. Mr. Ivey and his team are preparing a recommendation for promotional items this fiscal year as well as next, which has been developed to best meet our events/activities needs within our budget parameters.</p> <p>Tiffany, Bryce and Matthew participated on a conference call with LA Design Studio to discuss the direction of the Landscape Assistance Program on the new MWDOC website.</p> <p>Tiffany and Bryce continue to work with MWDOC department representatives and LA Design Studio on developing material and providing direction and content for the new MWDOC website.</p> <p>Bryce has been working with several vendors to provide quotes for a MWDOC entryway concept. Two vendors out of eight contacted meet the criteria preferred for the vendor. Tiffany met with one vendor to provide additional details on layout, style guide, colors, materials and lighting.</p>
Legislative Affairs	<p>Heather participated in the CalDesal Legislative conference call.</p>

Legislative Affairs (Continued)	<p>Director Tamaribuchi and Heather attended OCBC's Sacramento Advocacy trip on March 13-14. Highlights included briefings from: CA State Transportation Secretary Brian Kelly, CalEPA Secretary Matthew Rodriguez, Senator Jim Beall, State Controller Betty Yee, Assemblyman Kansen Chu's chief-of-staff, Senator Toni Atkins, Assemblyman Chad Mayes, and State Treasurer John Chiang. Kathy Cole from MET also provided an update and briefing on the California WaterFix. OCBC and ACC-OC co-hosted a dinner with the Orange County Delegation and included Speaker Anthony Rendon as well.</p> <p>Heather participated in two conference calls in response to the Little Hoover Commission's draft report on special districts, one led by CSDA and the other for ACWA members. Outreach to the commission members has begun with MWDOC assisting those efforts.</p> <p>Heather and Melissa participated in the MET Member Agency Legislative Coordinators' Conference calls.</p> <p>Heather met with Lana Haddad from Long Beach Water Department to discuss pending legislation.</p> <p>Heather met with Jessica Witt, who has a new position at the County of Orange - Director, Government & Community Relations.</p> <p>Heather participated in the ACWA Region 10 conference call in advance of the March ACWA State Legislative Committee meeting.</p> <p>Heather and Melissa participated in a MET coordinated conference call with Senator Hertzberg's staff and staff from the CA Water Foundation regarding SB 231.</p> <p>In Sacramento, Heather attended the ACWA State Legislative Committee meeting and the CSDA Legislative Committee meeting.</p> <p>Heather participated in the Southern California Water Committee Legislative Task Force conference call.</p>
Water Summit	<p>Directors Barbre and Thomas and Damon, Jonathan and Tiffany represented MWDOC at the Water Summit Committee meeting.</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