# REGULAR MEETING OF THE BOARD OF DIRECTORS MUNICIPAL WATER DISTRICT OF ORANGE COUNTY 18700 Ward Street, Board Room, Fountain Valley, California February 19, 2020, 8:30 a.m.

#### **AGENDA**

#### MOMENT OF SILENCE

#### 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 <a href="http://www.mwdoc.com">http://www.mwdoc.com</a>.

#### **NEXT RESOLUTION NO. 2093**

#### **CONSENT CALENDAR (Items 1 to 10)**

(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. January 2, 2020 Workshop Board Meeting
- b. January 15, 2020 Regular Board Meeting
- c. January 18, 2020 Special Board Meeting

Recommendation: Approve as presented.

#### 2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: January 6, 2020
- b. Administration & Finance Committee Meeting: January 8, 2020
- c. Public Affairs & Legislation Committee Meeting: January 20, 2020
- d. Executive Committee Meeting: January 16, 2020
- e. MWDOC/OCWD Joint Planning Committee Meeting: January 29, 2020

Recommendation: Receive and file as presented.

#### 3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of January 31, 2020
- b. MWDOC Disbursement Registers (January/February)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of December 31, 2019
- 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 November 30, 2019
- b. Quarterly Budget Review

Recommendation: Receive and file as presented.

## 5. CONSIDER AUTHORIZING ATTENDANCE AT ASCE'S WORLD ENVIRONMENTAL & WATER RESOURCES CONGRESS, MAY 17-21, 2020, HENDERSON, NV

Recommendation: Authorize attendance by Directors, and staff as authorized by

the General Manager, at the ASCE World Environmental & Water Resources Congress to be held May 17-21, 2020 in

Henderson, NV.

## 6. PROFESSIONAL SERVICES CONTRACT AWARD FOR OWNER'S REPRESENTATIVES SERVICES

Recommendation: Authorize the General Manager to enter into a professional

services agreement with ABSG Consulting Inc. (ABS Consulting) to provide Owner's Representative/Project

Management services for the upcoming Administration Building seismic retrofit and remodel, at a cost not to exceed \$245,434 plus 5% contingency for a total not to exceed cost of \$257,706.

## 7. ATTENDANCE AT THE CALIFORNIA WATER ENVIRONMENT ASSOCIATION (CWEA) ANNUAL CONFERENCE

Recommendation: Authorize attendance at the California Water Environment

Association (CWEA) Annual conference on April 1-3, 2020 in

Reno, NV.

#### 8. TRAVEL TO WASHINGTON, DC TO COVER FEDERAL ADVOCACY INITIATIVES

Recommendation: Ratify the expenses as reported.

#### 9. TRAVEL TO SACRAMENTO TO COVER STATE ADVOCACY INITIATIVES

Recommendation: Ratify the expenses as reported.

#### 10. FY 2019-20 WATER USE EFFICIENCY RESEARCH ACTIVITIES

Recommendation: Approve implementation of research projects as follows: (1) a

contribution of \$20,000 for participation in the Alliance for Water Efficiency Cooling Tower Study; (2) a contribution of \$17,500 for participation in the University of California

Landscape Plant Irrigation Trials; and (3) implementation of a Residential End Uses of Water Study including (a) authorizing

use of MWDOC-budgeted funds totaling \$128,250 and

Metropolitan funds totaling \$79,000 for a total of \$207,250, and (b) authorizing a Professional Services Contract with Flume in

the amount of \$207,250.

#### **End Consent Calendar**

#### **ACTION ITEMS**

## 11-1 CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) CALL FOR NOMINATIONS: SEAT B – SOUTHERN NETWORK

Recommendation: The Public Affairs & Legislation Committee will review this item

on February 18, 2020 and make a recommendation to the

Board.

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

#### 12. GENERAL MANAGER'S REPORT, FEBRUARY 2020 (ORAL AND WRITTEN)

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

#### 13. MWDOC GENERAL INFORMATION ITEMS

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

Recommendation: Receive and file as presented.

#### **ADJOURNMENT**

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

# MINUTES OF THE WORKSHOP BOARD MEETING OF THE BOARD OF DIRECTORS OF MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC) WITH THE MWDOC MET DIRECTORS

January 2, 2020

At 8:30 a.m., President Tamaribuchi 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 Brett Barbre led the Pledge of Allegiance and Secretary Goldsby called the roll.

#### MWDOC DIRECTORS

Brett R. Barbre\* Larry Dick\* Joan Finnegan (absent) Bob McVicker Sat Tamaribuchi

Jeffery M. Thomas (absent) Megan Yoo Schneider

\*Also MWDOC MET Directors

#### 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
Melissa Baum-Haley, Prin. Water Res. Analyst
Chris Lingad, Water Resources Analyst
Charles Busslinger, Principal Engineer
Tiffany Baca, Public Affairs Manager
Kevin Hostert, Water Resources Analyst

#### OTHER MWDOC MET DIRECTORS

Larry McKenney Linda Ackerman

#### **OTHERS PRESENT**

Jose Vergara Kay Havens Mike Dunbar Steve LaMar Doug Reinhart Peer Swan Don Froelich Mike Markus John Kennedy Chuck Gibson Dan Ferons Rick Erkeneff Bill Green Ed Means Patty Qulizapa Kristy Khachigian Megan Couch

Nicholas Dibs

El Toro Water District El Toro Water District

Emerald Bay Service District
Irvine Ranch Water District
Irvine Ranch Water District
Irvine Ranch Water District
Irvine Ranch Water District
Moulton Niguel Water District
Orange County Water District
Orange County Water District
Santa Margarita Water District
Santa Margarita Water District
South Coast Water District
South Coast Water District

Means Consulting

Metropolitan Water District of So. Calif.

Kristy Khachigian Consulting

San Diego County Water Authority

Teacher, former

#### PUBLIC PARTICIPATION/PUBLIC COMMENTS

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

Mr. Nicholas Dibs addressed the Board and encouraged the Board to reinstate funding participation in the OC Department of Education Science Fair (held in March).

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

No items were presented.

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

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

No items were presented.

#### PRESENTATION/DISCUSSION/INFORMATION ITEMS

## INPUT OR QUESTIONS ON MET ISSUES FROM THE MEMBER AGENCIES/MET DIRECTOR REPORTS REGARDING MET COMMITTEE PARTICIPATION

Director McKenney highlighted that San Diego's "Pure Water" Local Resources Program Project was approved by the MET Board.

Director Ackerman commented on the San Diego County Water Authority (SDCWA)/MET litigation settlement offer, noting that MET Legal Counsel, Patty Quilizapa would be providing an update on this subject later on the agenda.

## PRESENTATION BY MET LEGAL COUNSEL, PATTY QUILIZAPA REGARDING THE SAN DIEGO COUNTY WATER AUTHORITY/MET LAWSUIT AND SETTLEMENT OFFERS

MET Legal Counsel, Patty Quilizapa advised that the MET Board authorized a statutory Offer to Compromise (Offer) to SDCWA under California Code of Civil Procedure Section 998 to resolve all cases. She then provided an overview of the key points of the Offer (water stewardship rate payment, exchange agreements for both fixed price term and delivery fees, and attorney fees/costs). Ms. Quilizapa advised that SDCWA did not accept the Offer.

Considerable discussion ensued regarding the Offer, the amount of legal fees paid to date by both agencies, whether any counter-offers will be made, preferential rights, SDCWA's desire to develop their own conveyance system on the Colorado River, and SDCWA's openly divisive comments towards MET. IRWD Director Peer Swan suggested MET develop a side-by-side comparison of the offers from each agency.

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

## DISCUSSION SERIES ON METROPOLITAN'S INTEGRATED RESOURCES PLAN: PART 2 – EXPECTED KEY POLICY ISSUES

Associate General Manager Harvey De La Torre provided an overview/preview of the expected key policy issues that the 2020 IRP update will reveal and its potential effects on MET's role. Some of the potential key policy issues include the resource mix, water demand levels, financial obligations (paying for investments to ensure reliability), and regional cooperation (climate change, Bay-Delta, Colorado River, local resources/conservation, etc.).

The Board received and filed the report as presented.

## METROPOLITAN'S PROPOSED BIENNIAL BUDGET AND RATES PROCESS FOR FISCAL YEARS 2020/21 AND 2021/22

Mr. De La Torre advised that every two years MET embarks on its biennial budget along with the associated rates and charges, including a ten-year forecast. He advised that MET's presentation from MET's December Finance & Insurance Committee was included in the packet, and that MET's Chief Financial Officer would attend MWDOC's March 4, 2020 Workshop Board meeting to review the proposed draft budgets. The Board received and filed the report.

#### WATER SUPPLY CONDITION UPDATE

MWDOC Water Resources Analyst, Kevin Hostert, provided a presentation on the U.S. drought monitor, climate outlook, local precipitation statistics, northern California Accumulated precipitation, storage level data throughout the state, the State Water Project Table A allocations (currently at 10%), and MET estimated storage levels.

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

#### **METROPOLITAN 2020 SHUTDOWN STATUS**

Assistant General Manager Karl Seckel advised that the Diemer Plant shutdown is scheduled for January 21-27, 2020, and the West Orange County Feeder shutdown is scheduled for February 9-16, 2020. He advised that although MET originally planned a second Diemer shutdown (for March 2020), it has been determined that the second shutdown is not needed.

The Board received and filed the report as presented.

#### **DELTA CONVEYANCE PROJECT ACTIVITIES UPDATE**

The Board received and filed the staff report.

#### MWD ITEMS CRITICAL TO ORANGE COUNTY

- a. MET's Water Supply Conditions
- b. MET's Finance and Rate Issues
- c. Colorado River Issues

- d. Bay Delta/State Water Project Issues
- e. MET's Ocean Desalination Policy and Potential Participation by MET in the Doheny Desalination Project
- f. Orange County Reliability Projects
- g. East Orange County Feeder No. 2
- h. South County Projects

The Board received and filed the report as presented.

#### METROPOLITAN (MET) BOARD AND COMMITTEE AGENDA DISCUSSION ITEMS

- a. Summaries regarding the November and December MET Board Meetings
- b. Review items of significance for the upcoming MET Board and Committee Agendas

Mr. Dan Ferons (SMWD General Manager) commented on the Water Planning & Stewardship Committee's item regarding the Paradox Valley Unit and the Colorado River Salinity Control Program and encouraged the MET Directors to highlight the importance of moving this program along.

The information was received and filed.

#### **ADJOURNMENT**

There being no further business, the meeting adjourned at 10:12 a.m.			
Maribeth Goldsby			
Board Secretary			

# MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS MUNICIPAL WATER DISTRICT OF ORANGE COUNTY January 15, 2020

At 8:30 a.m., President Tamaribuchi 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 McVicker led the Pledge of Allegiance, and Secretary Goldsby called the roll.

#### MWDOC DIRECTORS

#### **STAFF**

Brett R. Barbre	Robert Hunter, General Manager
Larry Dick	Karl Seckel, Assistant General Manager
Joan Finnegan	Joe Byrne, Legal Counsel
Bob McVicker	Maribeth Goldsby, Board Secretary
Sat Tamaribuchi	Cathy Harris, Admin. Services Manager
Jeffery M. Thomas	Damon Micalizzi, Director of Public Affairs
Megan Yoo Schneider	Harvey De La Torre, Associate General Manager
-	Melissa Baum-Haley, Prin. Water Resources Analyst
	Heather Baez, Government Affairs Manager
	Chris Lingad, Water Resources Analyst
	Joe Berg, Dir. of Water Use Efficiency

Vicki Osborn, Director of Emergency Management

Tiffany Baca, Public Affairs Manager Sarah Wilson, Public Affairs Specialist

#### **ALSO PRESENT**

Linda Ackerman MWDOC/MET Director
Larry McKenney MWDOC/MET Director
Peer Swan Irvine Ranch Water District
Im Atkinson Mesa Water

Jim Atkinson Mesa Water
Jim Fisler Mesa Water

Justin McCuskerSanta Margarita Water DistrictDennis ErdmanSouth Coast Water DistrictRick ShintakuSouth Coast Water DistrictFernando PaludiTrabuco Canyon Water District

Mike Elliott Citizens Infrastructure Advisory Board, H.B.

#### PUBLIC PARTICIPATION/PUBLIC COMMENT

President Tamaribuchi 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. Tamaribuchi asked whether there were any comments on other items which would be heard at this time.

No comments were received.

#### ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were received.

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

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

No items were distributed.

#### **EMPLOYEE INTRODUCTION**

General Manager Hunter introduced new employee, Vicki Osborne (Director of Emergency Management) to the Board.

#### **BOARD ACKNOWLEDGEMENT**

President Tamaribuchi presented Director Barbre with a plaque to thank him for his service as President of the Board for two years.

#### **CONSENT CALENDAR**

President Tamaribuchi 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 3(b) (MWDOC Disbursement Register) from the Consent Calendar for further discussion.

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

#### **MINUTES**

The following minutes were approved.

December 4, 2019 Workshop Board Meeting December 18, 2019 Regular Board Meeting

#### **COMMITTEE MEETING REPORTS**

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

Planning & Operations Committee Meeting: December 2, 2019 Administration & Finance Committee Meeting: December 11, 2019 Public Affairs & Legislation Committee Meeting: December 16, 2019 Executive Committee Meeting: December 19, 2019

#### TREASURER'S REPORTS

The following items were ratified and approved as presented.

MWDOC Revenue/Cash Receipt Register as of November 30, 2019

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 November 30, 2019

PARS Monthly Statement (OPEB Trust)

Water Use Efficiency Projects Cash Flow

#### FINANCIAL REPORT

The following items were received and filed as presented.

Combined Financial Statements and Budget Comparative for the period ending November 30, 2019

## APPROVE REVISIONS TO THE ADMINISTRATIVE CODE SECTION 1307 AND THE GENERAL MANAGER'S PERFORMANCE EVALUATION GUIDELINES

The Board approved the proposed revisions to the Administrative Code Section 1307 and to the General Manager's Performance Evaluation Guidelines, as presented.

#### - END CONSENT CALENDAR -

#### ITEMS PULLED FROM THE CONSENT CALENDAR

#### **MWDOC Disbursement Registers (December/January)**

Director Barbre highlighted several airline fares on Southwest to Sacramento, noting the fare seemed high. Staff was asked to investigate these fares and report back to the Board.

Upon MOTION by Director Barbre, seconded by Director McVicker, and carried (7-0), the Board ratified the Disbursement Registers for December and January. Directors Barbre, Dick, Finnegan, McVicker, Yoo Schneider, Tamaribuchi, and Thomas and voted in favor.

#### **ACTION CALENDAR**

### STANDING COMMITTEE AND AD HOC COMMITTEE APPOINTMENTS FOR 2020; SCHEDULE OF COMMITTEE MEETING DATES FOR 2020

Upon MOTION by Finnegan, seconded by Director Yoo Schneider, and carried (7-0) the Board ratified the list of Standing Committee appointments as presented by the Board; and ratified the

Committee/Board meeting dates/times for 2020. Directors Barbre, Dick, Finnegan, McVicker, Yoo Schneider, Tamaribuchi, and Thomas and voted in favor.

#### **ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2020**

Upon MOTION by Director Barbre, seconded by Director Yoo Schneider, and carried (7-0), the Board ratified the appointment of Representatives and Alternates to Associations as presented by the President of the Board, and adopted RESOLUTION NO. 2092 approving the appointment of Jeffery Thomas as Representative, and Karl Seckel as Alternate to the Santiago Aqueduct Commission. Said RESOLUTION NO. 2092 was adopted by the following roll call vote:

AYES: Directors Barbre, Dick, Finnegan, McVicker, Yoo Schneider, Tamaribuchi &

Thomas

NOES: None ABSENT: None ABSTAIN: None

#### INFORMATION CALENDAR

#### **GENERAL MANAGER'S REPORT, JANUARY 2020**

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

Mr. Hunter advised that MWDOC would host the Water Policy Dinner on February 12, 2020 at the Avenue of the Arts Hotel, and that Jeff Kightlinger (MET) would be the featured speaker. Director Tamaribuchi suggested it would be prudent for MWDOC's member agencies to invite elected officials within their respective service areas.

The Board received and filed the report as presented.

#### **MWDOC GENERAL INFORMATION ITEMS**

#### a. 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 Barbre reported on his attendance at the following meetings in his capacity as MET Director: a meeting with Brad Hiltscher, the MWDOC/MET Director delegation caucus (early), legislative meetings with Congressmen McCarthy, Calvert, Nunes, and McClintock, the MET Committees (early), and the MET Board meeting. In his capacity as MWDOC Director he attended the following meetings: a meeting with Jim Barker and Ryan Leavitt, the MWDOC/OCWD/YLWD joint meeting, a radio interview on the Larry Marino show, along with legislative meetings with Congressmen Calvert and Correa along with working on the upcoming legislative luncheon in Washington, DC, as well as various meetings with lobbyists for MWDOC,

Inland Empire Utilities Agency, Western Municipal Water District, and Eastern Municipal Water District.

Director Dick reported he attended Planning & Operations, Administration & Finance, and Executive Committee meetings, the Workshop Board meeting, the MWDOC/MET Directors meeting, the MET Board and Committee meetings, the WACO and WACO Executive Committee meeting, the MET Caucus, and a Serrano Water District meeting.

Director Finnegan noted that she attended the Planning & Operations, Administration & Finance, and Public Affairs & Legislation Committee meetings, as well as the ISDOC Executive Committee meeting. She advised that the ISDOC luncheon would be held January 30<sup>th</sup> and encouraged all to attend.

Director McVicker reported that he attended the Planning & Operations, Administration & Finance, Public Affairs & Legislation, and Executive Committee meetings, the Workshop Board meeting, the WACO meeting, a meeting with Heather Baez and Tyler Diep, as well as the MET Committee meetings (via web). He noted that he would be meeting with Assemblyman Tyler Diep later in the week.

Director Thomas stated that he attended Planning & Operations and Administration & Finance Committee meetings, and the OC Water Summit Planning meeting(s).

Director Yoo Schneider advised that she attended the Planning & Operations, Public Affairs & Legislation, and Executive Committee meetings, as well as the Workshop Board meeting, and a meeting with Director Tamaribuchi.

Director Tamaribuchi reported on attending the regularly scheduled MWDOC meetings (Planning & Operations, Administration & Finance, Public Affairs & Legislation, and Executive Committee meetings, as well as the Workshop and Regular Board meetings), as well as the El Toro Water District Board meeting, the MET Caucus, and a meeting with Director Yoo Schneider.

#### b. REQUESTS FOR FUTURE AGENDA TOPICS

No requests were made.

#### **ADJOURNMENT**

There being no further business to come before the Board, President Tamaribuchi adjourned the meeting at 8:45 a.m.

Respectfully submitted,
Maribeth Goldsby Secretary

# MINUTES OF THE SPECIAL MEETING OF THE BOARD OF DIRECTORS MUNICIPAL WATER DISTRICT OF ORANGE COUNTY January 18, 2020

At 9:00 a.m., President Tamaribuchi called to order the Special Meeting of the Municipal Water District of Orange County Board of Directors at the Westin Hotel, 686 Anton Blvd., Executive Board Room, 3<sup>rd</sup> Floor, Costa Mesa, California.

#### **MWDOC DIRECTORS**

#### STAFF PRESENT

Robert Hunter, General Manager

Brett R. Barbre (absent)
Larry Dick
Joan Finnegan
Wayne Osborne
Megan Yoo Schneider (arr. at 9:34 a.m.)
Sat Tamaribuchi
Jeffery M. Thomas (arr. at 9:17 a.m.)

#### **ALSO PRESENT**

No members of the public were present.

#### **PUBLIC COMMENTS**

No comments were received, however President Tamaribuchi outlined the agenda, director attendance, and purpose of the meeting.

#### **CLOSED SESSIONS ITEM**

#### PUBLIC EMPLOYEE PERFORMANCE EVALUATION

At 9:04 a.m., the Board adjourned to closed session pursuant to Government Code Section 54957, to conduct the performance evaluation of the General Manager.

#### **RECONVENE**

#### ANNOUNCEMENTS FROM CLOSED SESSION

The Board reconvened from closed session at 2:35 p.m., and President Tamaribuchi announced that no reportable action was taken in closed session.

#### **ADJOURNMENT**

Respectfully submitted,

At 2:36 p.m., President Tamaribuchi adjourned the special meeting.

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**

January 6, 2020 – 8:30 a.m. to 10:30 a.m. Conference Room 101

#### **P&O Committee:**

Director Megan Yoo Schneider Director Sat Tamaribuchi (via telecom) Director Larry Dick

#### Staff:

Rob Hunter, Karl Seckel, Chris Lingad, Joe, Berg, Katie Davanaugh, Damon Micalizzi, Melissa Baum-Haley, Charles Busslinger, Kevin Hostert, Steve Hedges, Rachel Davis, Harvey De La Torre, Daniel Harrison, Vicki Osborn, Sam Fetter, Janine Schunk, Charles Busslinger, Jason Thorsell, Rachel Waite

#### **Also Present:**

Director Joan Finnegan
Director Jeff Thomas (arrived 9:00 a.m.)
Director Bob McVicker
Adam Hutchinson, Orange County Water District
Jose Vergara, El Toro Water District
Kelly Rowe, Orange County Water District
Laura Rocha, Moulton Niguel Water District

Director Yoo Schneider chaired the meeting and called it to order at 8:30 a.m. Director Tamaribuchi attended the meeting via teleconference and all Brown Act requirements were complied with.

#### **PUBLIC COMMENTS**

No comments were received.

#### <u>ITEMS RECEIVED TOO LATE TO BE AGENDIZED</u>

No items were received.

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

No items were distributed.

Mr. Hunter noted that Chris Lingad was recently promoted to Associate Engineer and will now be working with the Engineering department. Vicki Osborn was introduced as the new Director of Emergency Management (WEROC), and he announced the departure of intern, Jeannie Bui.

#### **PRESENTATIONS**

Mr. Hunter noted that Engineering, MET, Water Use Efficiency and WEROC departments will provide a review of department responsibilities and 2019 activities. He also noted the upcoming budget process.

#### FY 2019-20 DEPARTMENT ACTIVITIES PRESENTATIONS

#### **Reliability Planning & Engineering**

Mr. Seckel noted that the department will experience a drop in full time employees and changes due to his retirement later this year, and then went on to provide a presentation which reviewed department staffing and areas of responsibility. Major areas include reliability planning and resource development, support to member agencies, MET shutdown coordination, integration of local projects from a water quality and operations perspective, WEROC support, South Orange County IRWMP and North-Central Orange County IRWMP, work on small non-compliant water systems in California, trustee activities for AMP, Baker, EOCF#2 and South County pipeline, to name a few. A complete and more detailed listing was provided in the staff report.

Director Tamaribuchi requested that each department provide a written listing of the three highest project priorities for 2020 and 2021, and Director Yoo Schneider concurred. Director McVicker inquired what challenges staff believes are the greatest; and an update will be provided to the Board.

#### **Metropolitan Issues and Water Policy**

Mr. De La Torre provided an overview of departmental core functions, including Metropolitan Issues, member agency support and advocacy, reliability planning, water supply program management and rates and charges. Each of those five key topics was reviewed in more detail as outlined in the staff report. Accomplishments of the department included the execution of a cyclic in-lieu agreement with MET to expand the pre-delivery of imported water, promoted the increase of MET's emergency storage, and encouraged MET to revise their Administrative Code to allow delivery of local water into the MET system during emergency conditions.

Director Yoo Schneider commended staff for their effort in balancing all of the many priorities and complexities associated with MET-related issues.

#### Water Use Efficiency and Water Loss Control

Mr. Berg reviewed the importance of water conservation efforts and water usage by source and average water use by Orange County consumers, as well as the importance of continued water use efficiency and water loss control efforts. His presentation included a review of department staff members and various programs for residential, commercial/industrial/institutional and public agencies. MWDOC collaborates and participates in and with many organizations throughout the state in these efforts.

New services within the past year at MWDOC include water loss control technical assistance through leak detection services as well as shared services for water balance validation, meter accuracy testing, system pressure surveys and distribution system flushing. Mr. Berg reviewed leak survey results to date and member agencies that are participating. He also noted that many water loss control measures are now mandated by the State of California and what his department is doing on a regional level to meet those mandates.

#### **WEROC (Water Emergency Response of Orange County)**

Mr. Seckel noted the WEROC staff transition to Vicki Osborn and the new outlook for the department. He provided a presentation on benefits of WEROC from inception in 1983 to present. The overall commitment of the department is to provide training and response obligation, day-to-day member agency support, and real disaster response coordination. Mr. Seckel reviewed WEROC signatories, budget and funding partners, a list of services provided by WEROC and their value to the member agencies and the county.

Mr. Seckel also provided a review of America's Water Infrastructure Act of 2018 (AWIA) and components of the program and the District's involvement.

Major areas of WEROC support include emergency plan development, emergency disaster finance tools, disaster training and exercises design and facilitation, cyber and information security support and grant writing support.

#### **INFORMATION ITEM**

CDM SMITH ANALYSIS OF THE COSTS AND BENEFITS OF NEW 800,000 AF RESERVOIR COMPARED TO A 400,000 AF SURFACE RESERVOIR IN SOUTHERN CALIFORNIA

Mr. Seckel reported that the cost analysis continues to indicate that it is not cost efficient to consider a new 400,000 or 800,000 acre-foot surface storage reservoir.

The report was received and filed.

#### **STATUS REPORTS**

- a. Ongoing MWDOC Reliability and Engineering/Planning Projects
- b. WEROC
- c. Water Use Efficiency Projects

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 before the Committee, the meeting adjourned at 10:30 a.m.

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

#### ADMINISTRATION & FINANCE COMMITTEE

January 8, 2020 – 8:30 a.m. to 9:52 a.m. Conference Room 101

A&F Committee: Staff:

Director Jeff Thomas Rob Hunter, Karl Seckel, Joe Berg,
Director Joan Finnegan Katie Davanaugh, Damon Micalizzi,
Director Bob McVicker Hilary Chumpitazi, Cathy Harris, Tiffany Baca,

Heather Baez, Sarah Wilson, Bryce Roberto

**Also Present:** 

Director Sat Tamaribuchi (via teleconference)

**Director Larry Dick** 

MWDOC MET Director Linda Ackerman MWDOC MET Director Larry McKenney Jose Vergara, El Toro Water District Peer Swan, Irvine Ranch Water District Mark Monin, El Toro Water District

Doug Reinhart, Irvine Ranch Water District

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

Director Tamaribuchi attended the meeting via teleconference. All Brown Act requirements were complied with.

#### **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 distributed.

#### PROPOSED BOARD CONSENT CALENDAR ITEMS

#### TREASURER'S REPORT

- a. Revenue/Cash Receipt Report December 2019
- b. Disbursement Approval Report for the month of January 2020
- c. Disbursement Ratification Report for the month of December 2019
- d. GM Approved Disbursement Report for the month of December 2019
- e. Water Use Efficiency Projects Cash Flow December 31, 2019
- f. Consolidated Summary of Cash and Investment November 2019

#### g. OPEB and Pension Trust Fund monthly statement

Following review of the Treasurer's Report, upon MOTION by Director Finnegan, seconded by Director McVicker and carried (3-0), the Committee recommended the Treasurer's Report for approval at the January 15, 2020 Board meeting. Directors Finnegan, Thomas and McVicker voted in favor.

**FINANCIAL REPORT** - Combined Financial Statements and Budget Comparative for the Period ending November 30, 2019

Following review of the Financial Report, upon MOTION by Director Thomas, seconded by Director Finnegan and carried (3-0), the Committee recommended the Financial Report for approval at the January 15, 2020 Board meeting. Directors Finnegan, Thomas and McVicker voted in favor.

#### **ACTION ITEMS**

### APPROVE REVISIONS TO THE ADMINISTRATIVE CODE SECTION 1307 AND THE GENERAL MANAGER'S PERFORMANCE EVALUATION GUIDELINES

Upon MOTION by Director McVicker, seconded by Director Finnegan and carried (3-0), the Committee recommended the Board approve the revisions to the Administrative Code Section 1307 and the General Manager's Performance Evaluation Guidelines at the January 15, 2020 Board meeting. Directors Finnegan, Thomas and McVicker voted in favor.

#### **DISCUSSION ITEMS**

#### **DEPARTMENT ACTIVITIES UPDATES**

- a. Public Affairs Department
- b. Government Affairs Department
- c. Administration Department
- d. Finance Department

Each department provided a presentation and overview of areas of responsibility, 2019 achievements, and short-term and longer term projects and goals.

Damon Micalizzi reviewed the responsibilities of the Public Affairs team which include Board and member agency support, public outreach, a multitude of social media development, website and graphic support as well as press and news releases and a plethora of additional programs in support of water awareness and education. As outlined in the staff report, a review of certifications and professional organizations, team achievements and awards, outreach programs and activities and community events were included in the review.

Heather Baez reviewed the Governmental Affairs areas of responsibility including state, local and federal advocacy efforts, special projects and grants tracking and reporting. On the local level, Ms. Baez provides outreach on County, LAFCO, regional coalitions, Metropolitan and member agency matters. Additionally, she works closely with MWDOC consultants Jim Barker (federal advocacy), Syrus Devers (state advocacy), John Lewis

(local) and Dick Ackerman (regulatory). Ms. Baez also reviewed 2019 accomplishments comprising of federal, state, special projects and grant activities.

Hilary Chumpitazi reviewed the Finance and Information Technology support areas which include accounting activities (accounts payable/receivable, fixed assets, revenue and expenses and financial reporting, etc.); Finance and Database Analysis (annual budget, bank reconciliation, state reporting, payroll and many others); and IT (preventing cyber threats; uninterrupted web/phone/internet/equipment services and monitor of computer servers). General discussion was held on the importance of cyber security.

Cathy Harris provided a review of the Administration department budget, noting that it is 34% of the MWDOC budget and includes Board and General administration activities, personnel, safety and risk management, records management, database management and overhead activities. Priority projects include improving the performance evaluation process, training for staff and management, succession planning, and the upcoming building remodel. Discussion was held on upcoming retirements and succession planning.

## FY 2019-20 BUDGET YEAR END PROJECTIONS & CONCEPTUAL FY 2020-21 BUDGET REVIEW

Mr. Hunter provided an overview of 2019-2020 year end budget projections and the upcoming budget process. Overall the budget is expected to be 0.4% over budget, with the major change being due to election costs. The building renovation is progressing slowly due to necessary system improvements to the electrical and HVAC. Plans are currently at the City of Fountain Valley for review. Responses to the RFP for an Owner's Representative for the Construction phase are being reviewed.

#### **INFORMATION ITEMS**

#### **DEPARTMENT ACTIVITIES REPORTS**

- a. Administration
- b. Finance and Information Technology

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

The informational reports were received and filed.

#### OTHER ITEMS

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

No items were presented.

#### **ADJOURNMENT**

There being no further business brought before the Committee, the meeting was adjourned at 9:52 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

January 20, 2020 – 8:30 a.m. to 9:44 a.m. MWDOC Conference Room 101

#### Committee:

Director Yoo Schneider, Chair

Director Barbre
Director McVicker

#### Staff:

Rob Hunter, Karl Seckel, Heather Baez,

Damon Micalizzi, Tiffany Baca,

Katie Davanaugh, Joe Berg, Bryce Roberto,

Vicki Osborn, Harvey De La Torre

#### Also, present:

Director Sat Tamaribuchi

**Director Larry Dick** 

Dick Ackerman, MWDOC MET Director Larry McKenney, MWDOC MET Director

Jim Barker, Ryan Leavitt - MWDOC Consultants

via teleconference Syrus Devers, BBK

Dick Ackerman, Ackerman Consulting

John Lewis, Lewis Consulting Jim Atkinson, Mesa Water

Chuck Gibson, Santa Margarita Water District

Peer Swan, Irvine Ranch Water District Kelly Rowe, Orange County Water District

Tim Kearns, Hashtag Pinpoint Mike Gaskins, El Toro Water District

Alison Cargile, student

Frank Prewoznik, Irvine Ranch Water District Don Froelich, Moulton Niguel Water District Alicia Dunkin, Orange County Water District Justin McCusker, Santa Margarita Water District

Jim Leach, Santa Margarita Water District

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

#### **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

No items were distributed.

#### **DISCUSSION ITEMS**

#### **LEGISLATIVE ACTIVITIES**

#### a. Federal Legislative Report (Barker Leavitt)

Jim Barker noted that the House and Senate passed this year's appropriations bills that will provide funding for various water projects. Importantly, language was secured that will insure that South Coast Water District will be receiving the \$8.3 million grant for their desalination project in Dana Point. Release date for funds is not yet known but Barker Leavitt's office will keep the District posted. Mr. Barker thanked the efforts of MWDOC staff as well as consultant Joey Soto in assisting with that effort.

Ryan Leavitt noted that the house passed the PFAS Action Plan of 2019 (H.R. 535) and then went on to review the information in the written report. Mr. Barker's office will prepare a letter stating that water and wastewater are not producers of PFAS and should not be held responsible for clean-up efforts. Discussion was held on the importance of water (and wastewater) agencies staying diligent and vocal in holding the makers of the contaminants responsible.

Mr. Barker provided an update on the upcoming February DC luncheon that MWDOC staff and Directors will be participating in, noting that PFAS will be a priority topic of discussion.

Mr. Barker noted that legislative text would be released in late January on an infrastructure bill which may have grant program components pertaining to PFAS.

The agenda was reorganized:

### SOUTHERN CALIFORNIA WATER ISSUES CONGRESSIONAL DELEGATION BRIEFING LUNCHEON

No additional information was provided, noting the upcoming February 26<sup>th</sup> luncheon location and room.

#### b. State Legislative Report (BBK)

Mr. Syrus Devers noted that early morning Southwest flight schedules have changed which may affect his future attendance in Orange County for this meeting attendance at MWDOC.

Mr. Devers reported that PFAS/PFOS continues to be in the forefront of discussion with lobbyists in Sacramento and stressed the importance of the topic to MET member agencies due to the volume of imported water into Orange County. The PFAS/PFOS issue is just one of many contaminants to infiltrate water and wastewater channels through a variety of sources including fire retardants and many household items.

#### c. County Legislative Report (Lewis)

Mr. John Lewis reviewed his written report which included information on LAFCO, the California Primary and the latest California Presidential poll.

#### d. Legal and Regulatory Report (Ackerman)

Mr. Dick Ackerman noted that a common recurring problem in water is the use of weed killers. Cal State Fullerton is exploring ways to use alternatives to tackle this problem with the use of certain invasive species plants.

#### **2019 SOCIAL MEDIA AUDIT**

Ms. Tiffany Baca provided a report on the District's social media efforts, including a recent audit that was conducted by Hashtag Pinpoint to evaluate the District's social media efforts, determine which strategies are effective, and look for new arenas to reach the varied Orange County audiences.

Director Tamaribuchi would like to have a better understanding of how effective the social media efforts are within Orange County and Ms. Baca indicated that she would provide a breakdown on actual numbers and which audiences are reached within Orange County.

It was noted that not all member/water agencies within the County share the same message points or ideas, or promote the same programs.

9:30 a.m. – Director Barbre departed and Director Tamaribuchi sat on the Committee.

#### **INFORMATION ITEMS**

#### FEBRUARY 12, 2020 WATER POLICY FORUM & DINNER

Mr. Damon Micalizzi noted that registration is at 80 participants and staff looks forward to the event. Jeffrey Kightlinger will be the guest speaker. Director Tamaribuchi requested that additional members outside the water community and local officials be invited to MWDOC Water Policy dinners and events.

#### 2020 OC WATER SUMMIT

The report was received and filed.

#### **EDUCATION PROGRAMS UPDATE**

Ms. Baca noted that all 3 school program consultants are on track with their contracts and attendance by students.

The informational reports were received and filed.

#### OTHER ITEMS

No items were presented.

#### **ADJOURNMENT**

There being no further business brought before the Committee, the meeting adjourned at 9:44 a.m.

# MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS OF THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY jointly with the

#### **EXECUTIVE COMMITTEE**

January 16, 2020, 8:30 a.m. to 1:05 p.m. Conference Room 102

#### Committee:

Director Tamaribuchi, President Director Finnegan, Vice President Director Barbre

#### Staff:

R. Hunter, M. Goldsby, C. Harris, H. Baez, D. Micalizzi, K. Seckel, J. Berg, H. De La Torre, V. Osborn, H. Chumpitazi, M. Baum-Haley, T. Baca, K. Davanaugh, J. Stalvey, C. Busslinger

#### Also Present:

Director McVicker Director Dick Director Thomas Jim Fisler, Mesa Water

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

#### **PUBLIC PARTICIPATION**

No public comments were received.

#### ITEMS RECEIVED TOO LATE TO BE AGENDIZED

At the beginning of the meeting, Staff distributed the draft agendas for the upcoming month.

#### **EXECUTIVE COMMITTEE PROPOSALS FOR FUTURE AGENDAS**

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

a. Workshop Board Meeting

No new items were added to the agenda. Considerable discussion was held regarding the Colorado River Salinity Issues and the Governor's Draft Water Resilience Portfolio.

b. Planning & Operations Committee Meeting

No new items were added to the agenda.

c. Administration & Finance Committee meeting

No new items were added to the agenda.

d. Public Affairs & Legislation Committee

No new items were added to the agenda.

#### e. Executive Committee

No new items were added to the agenda.

#### DISCUSSION REGARDING DEPARTMENT ACTIVITIES

General Manager Hunter advised that pursuant to the Executive Committee's request (in December), each Department Manager would provide an overview of 2020 department priorities. The presentations would include both near-term (1-2 years) and mid-term priorities (3-5) years.

Director Barbre noted he would prefer to delay the presentations to another time, to allow more time to review the handouts; the remainder of the Board members generally concurred to allow the presentations.

#### Reliability Planning & Engineering Department

Assistant General Manager Karl Seckel began the presentations noting that he has identified the following:

Near-term priorities: local supply integration and reliability, demand forecast, emergency use of EOCF#2, PFAS and the imported water supply, and the Doheny Desalination Project. Following discussion regarding the Doheny Desalination Project, the Committee suggested the Doheny Desalination Project be a top priority.

Mid-term priorities: OC water quality monitoring, GIS capabilities, MET extended shutdown facilitation (AMP, and the OC Reliability Study.

Considerable discussion ensued regarding each of the targeted priorities, specifically, communicating with the Board of Supervisors regarding supply integration/reliability and demand forecasting, PFAS, and the GIS capabilities (staff was directed to check with CDR to see if they can meet MWDOC's GIS needs).

#### **Metropolitan Issues and Water Policy**

Associate General Manager, Harvey De La Torre outlined the following:

Near-term priorities: MET budget and rates, MET Integrated Resource Plan Update, Urban Water Management Plans, regional resource project assessment, and imported supply activities.

Mid-term priorities: Advocate for regional projects and programs that enhance the water reliability for Orange County and Southern California while seeking to ensure MWDOC's investments are cost effective and meet OC's objectives, ensure efficacy of implementation strategies to achieve MET's 2020 IRP Update reliability goals (e.g., LRP evaluation criteria, etc.), and seek areas of improvements in MET's Water Supply Allocation Plan that will result in drought resiliency for Orange County.

The Committee discussed MET's budget and need to identify key concerns/issues, the MET rate structure, various MET projects (SAARCUP, the Carson Recycling Project, etc.), and MWDOC's position on Direct Potable Reuse.

(Director Barbre left the meeting at 10:18 a.m.)

(Director Thomas left the meeting at 10: 40 a.m.)

#### Water Use Efficiency and Water Loss Control

Director of Water Use Efficiency, Joe Berg presented information on the following:

Near-term priorities: Water Use Efficiency Programs; technology transfer and research; Water Loss Control Shared Services; and legislation and regulatory process leadership.

Mid-term priorities: Member Agency compliance assistance; Water Loss Control Shared Services; legislation and regulatory process leadership.

#### **Governmental Affairs**

Government Affairs Manager, Heather Baez, presented the following:

Near-term priorities: Delta Conveyance Project, constituents emerging concern, public safety power shutoffs, Water Resiliency Portfolio, grants tracking and acquisition, and outreach and education.

Mid-term priorities: Safe and Affordable Drinking Water Program; Delta Conveyance Project; and ongoing outreach and education.

Discussion ensued regarding the power shutoffs and the need to engage the County on testing of emergency standby generators, as well as grants tracking.

The Committee asked that Joey Soto (MWDOC's Grant Tracking Consultant) provide an update at the next Public Affairs & Legislation Committee meeting.

#### **WEROC**

Assistant General Manager, Karl Seckel, along with the newly hired Director of Emergency Management, Vicki Osborn, presented the following:

Near-term priorities: enhance response readiness, operating and strategic plan review, cyber security communication, PSPS coordination, emergency fuel and generators, points of distribution.

Mid-term priorities: grants and funding opportunities, South Emergency Operations Center infrastructure, training and test exercises, emergency communications resilience, and non-public communication channels.

Discussion ensued regarding emergency response (fires) and emergency response priorities.

#### **Public Affairs**

Director of Public Affairs, Damon Micalizzi presented the following:

Near-term priorities: expand target audiences/partnerships, amplify MWDOC's earned media, evaluate, update and amend all MWDOC collateral materials, and formalize Water Policy Forums annually.

Mid-term priorities: education programs (Environmental Literacy), establish annual Water-Smart Expo, and re-establish MWDOC speakers bureau.

#### Finance and IT

Accounting Manager, Hilary Chumpitazi presented the following:

Near-term priorities: accounting software, succession planning, training, IT system security and testing, conference room 101 remodel.

Mid-term priorities: equipment replacement program, and IT system security and testing.

#### **Human Resources and Administration**

Director of Human Resources and Administration, Cathy Harris presented the following:

Near-term priorities: performance management process, staff development program, office remodel, succession planning, and employee engagement.

Mid-term priorities: staff training and development, staff engagement and retention, and completion of construction for remaining areas (kitchen).

#### DISCUSSION REGARDING UPCOMING ACTIVITIES OF SIGNIFICANCE

No new information was presented.

#### **MEMBER AGENCY RELATIONS**

No new information was presented.

#### **GENERAL MANAGER'S REPORTS**

No new information was presented.

#### REVIEW AND DISCUSS DISTRICT AND BOARD ACTIVITIES

Discussion was held regarding the MET inspection trips, and it was suggested Vicki Osborn and Maribeth Goldsby attend the March inspection trip (Colorado River Aqueduct).

#### **ADJOURNMENT**

There being no further business to be brought before the Committee, the meeting adjourned at 1:05 p.m.

#### **MEETING REPORT**

JOINT PLANNING COMMITTEE WITH BOARD OF DIRECTORS MUNICIPAL WATER DISTRICT OF ORANGE COUNTY and ORANGE COUNTY WATER DISTRICT
January 29, 2019 - 8:30 a.m. – 9:39 a.m.
MWDOC Conference Room 101

#### **MWDOC DIRECTORS**

Brett R. Barbre Larry Dick Bob McVicker Joan C. Finnegan Satoru Tamaribuchi Jeffery M. Thomas Megan Yoo Schneider

#### **OCWD DIRECTORS**

Cathy Green
Tri Ta
Roger Yoh (absent)
Dina Nguyen (absent)
Denis Bilodeau
Kelly Rowe
Vicente Sarmiento

Jordan Brandman (absent)

Ahmad Zahra

Steve Sheldon (absent)

#### **MWDOC STAFF**

Rob Hunter
Karl Seckel
Maribeth Goldsby
Harvey De La Torre
Melissa Baum-Haley
Damon Micalizzi
Chris Lingad
Kevin Hostert
Charles Busslinger
Joe Berg

#### **OCWD STAFF**

Mike Markus John Kennedy Adam Hutchinson

#### **ALSO PRESENT**

Linda Ackerman
Larry McKenney
Paul Wehorst
Don Froelich
Matt Collings
Fernanco Paludi
Wayne Miller
Al Nederhood
Brooke Jones
Marc Marcantonio
Skylar Stephens

MWDOC MET Director
MWDOC MET Director
Irvine Ranch Water District
Moulton Niguel Water District
Moulton Niguel Water District
Trabuco Canyon Water District
Yorba Linda Water District

San Diego County Water Authority

OCWD President Sarmiento chaired the meeting.

#### **PUBLIC COMMENTS**

No public comments were made.

#### IMPORTED WATER SUPPLY UPDATE

MWDOC Water Resources Analyst Kevin Hostert updated the Boards on the current imported water supply conditions, highlighting the Northern California accumulated precipitation, and the current Table "A" allocation of 15%.

#### STATUS OF OCWD GROUNDWATER BASIN

OCWD Executive Director of Engineering and Water Resources John Kennedy updated the Committee on the status of OCWD operations, which included updates on the Prado Dam operations, and the OCWD groundwater basin accumulated overdraft. Mr. Kennedy advised that, due to the PFAS issues, OCWD would only be purchasing 32,000 acre-feet of untreated imported water (although they budgeted to purchase 65,000 acre-feet), and that OCWD will not be purchasing any replenishment water in the 2020/21 year.

#### **PFAS ISSUE**

#### a. Carollo and Jacobs Studies

OCWD General Manager Mike Markus provided an overview of the studies being conducted by Carollo Engineers and Jacobs Engineering Group, noting he anticipates the Carollo study should be completed in May 2020 and that OCWD anticipates to treat 71 wells, and paying the construction costs and 50% of the operations and maintenance; he noted an RFQ for design facilities would be issued in the near future.

Mr. Markus advised that the release of the revised PFAS regulations by the State have been delayed, but should be provided any day now.

Discussion ensued regarding the cooperation of the agencies, the main wells affected (Serrano, Yorba Linda, Orange, Anaheim, and East Orange County), and the possibility of moving water through EOCF2.

#### **POSEIDON UPDATE**

Mr. Kennedy advised that the Regional Water Quality Control Board (Board) issued a draft permit, and that both OCWD and MWDOC have been invited to attend the Board's workshop on March 13, 2020, with anticipated approval in April. At that point there will be a 90-day comment period, with the next step being the Coastal Commission.

MWDOC General Manager Hunter referenced a letter received from the Coastal Commission and each General Manager was asked to circulate the letter to their respective Boards.

## SOUTH ORANGE COUNTY EMERGENCY SERVICES AGREEMENT AND MWDOC STUDY

MWDOC Assistant General Manager, Karl Seckel provided an overview of the Emergency Services Agreement noting it expires in 2030. A recent study was completed with IRWD to understand what could be done to extend or expand the Agreement. The study identified that due to the costs of the treatment at new wells, the cost of running water through the IRWD system increased.

Discussion was held regarding the possible use of EOCF2.

## MOULTON NIGUEL WATER DISTRICT PILOT STORAGE PROGRAM STUDIES UPDATE

Mr. Kennedy advised that drafts of the two studies to explore storage opportunities for MNWD will most likely be released in May.

#### SUGGESTED COMMITTEE MEETINGS SCHEDULE

The following dates were approved for MWDOC/OCWD Joint Planning Committee meetings for 2020:

April 22, 2020 July 22, 2020 October 28, 2020

#### **ADJOURNMENT**

There being no further business to come before the Committee, the meeting adjourned at 9:39 a.m., in memory of all of the Orange County residents who perished in the recent helicopter crash in Calabasas.

#### Municipal Water District of Orange County REVENUE / CASH RECEIPT REPORT January 2020

#### **WATER REVENUES**

Date	From	Description	Amount
01/08/20	Trabuco Canyon Water District	November 2019 Water deliveries	160,272.07
01/09/20	Laguna Beach County Water District	November 2019 Water deliveries	136,794.22
01/10/20	El Toro Water District	November 2019 Water deliveries	417,354.44
01/10/20	City of San Clemente	November 2019 Water deliveries	487,401.53
01/13/20	Serrano Water District	November 2019 Water deliveries	9,478.63
01/13/20	City of Seal Beach	November 2019 Water deliveries	10,220.97
01/13/20	Santa Margarita Water District	November 2019 Water deliveries	1,827,487.94
01/13/20	City of Buena Park	November 2019 Water deliveries	168,401.65
01/13/20	City of Garden Grove	November 2019 Water deliveries	939,536.65
01/14/20	South Coast Water District	November 2019 Water deliveries	394,011.84
01/14/20	City of San Juan Capistrano	November 2019 Water deliveries	432,009.03
01/14/20	City of Westminster	November 2019 Water deliveries	301,046.05
01/14/20	City of Orange	November 2019 Water deliveries	241,350.22
01/15/20	East Orange County Water District	November 2019 Water deliveries	267,812.55
01/15/20	Orange County Water District	November 2019 Water deliveries	363,961.80
01/15/20	Yorba Linda Water District	November 2019 Water deliveries	335,650.25
01/15/20	Moulton Niguel Water District	November 2019 Water deliveries	1,986,234.12
01/15/20	Golden State Water Company	November 2019 Water deliveries	269,496.28
01/15/20	Irvine Ranch Water District	November 2019 Water deliveries	487,798.33
01/27/20	City of La Habra	December 2019 Water Deliveries	4,510.14
01/27/20	Serrano Water District	December 2019 Water Deliveries	- 9,478.63
01/31/20	City of Fountain Valley	December 2019 Water Deliveries	10,860.08
01/31/20	City of Huntington Beach	December 2019 Water Deliveries	115,713.98
01/31/20	City of Brea	December 2019 Water Deliveries	14,223.32

TOTAL REVENUES \$ 9,391,104.72

#### Municipal Water District of Orange County REVENUE / CASH RECEIPT REPORT January 2020

#### **MISCELLANEOUS REVENUES**

Date	From	Description	Amount
01/15/20	OCWD	2/12/20 Water Policy dinner registration	90.00
01/21/20	Best Best & Krieger	2/12/20 Water Policy dinner registration	90.00
01/30/20	Laguna Beach County Water District	2/12/20 Water Policy dinner registrations	850.00
01/30/20	Trabuco Canyon Water District	2/12/20 Water Policy dinner registrations	850.00
01/31/20	Paypal	2/12/20 Water Policy dinner registrations	8,484.85
01/27/20	Irvine Ranch Water District	5/29/20 OC Water Summit sponsorship	7,600.00
01/31/20	Paypal	5/29/20 OC Water Summit registration	125.93
01/31/20	Paypal	ISDOC Luncheon	760.88
01/31/20	Paypal	OCEMO Luncheon	220.19
01/31/20	Paypal	Girl Scouts Patch Clinic	76.47
01/03/20	City of Brea	Partial late payment penalty for Sep 2019 Water deliveries	112.66
01/21/20	Robert McVicker	Reimbursement for hotel upgrade	67.50
01/30/20	Office Depot	Annual purchasing rebate	15.76
01/31/20	US Bank	Monthly Interest	7.47
01/24/20	Stan Sprague	February 2020 Retiree Health insurance	241.22
01/30/20	Keith Lyon	February 2020 Retiree Health insurance	302.78
01/02/20	Pat Meszaros	Jan-Feb 2020 Retiree Health insurance	78.66
01/10/20	Judy Pfister	Jan-Mar 2020 Retiree Health insurance	117.99
01/27/20	Irvine Ranch Water District	July 2019 Turf Removal rebate program	3,534.00
01/09/20	Mesa Water	October 2019 Smartimer rebate program	140.00
01/13/20	Mesa Water	November 2019 Smartimer rebate program	70.00
01/27/20	Irvine Ranch Water District	November 2019 Smartimer rebate program	412.03
01/02/20	Laguna Beach County Water District	October 2019 Turf Removal rebate program	2,434.00
01/27/20	Irvine Ranch Water District	October 2019 Turf Removal rebate program	1,404.00
01/13/20	City of Newport Beach	Oct-Nov 2019 Turf Removal rebate program	222.00
01/21/20	City of La Habra	Oct-Nov 2019 Turf Removal rebate program	444.00
01/23/20	City of Westminster	November 2019 Turf Removal rebate program	111.00
01/24/20	City of Orange	November 2019 Turf Removal rebate program	333.00
01/27/20	Irvine Ranch Water District	Aug, Sep and Nov 2019 Turf Removal and Spray to Drip	8,826.60
		rebate program	2 70 720
01/09/20	Laguna Beach County Water District	November 2019 Rain Barrels rebate program	210.00
01/13/20	Moulton Niguel Water District	November 2019 Smartimer, Rotating Nozzle & Turf Removal rebate program	21,493.00
01/02/20	Laguna Beach County Water District	November 2019 So Cal Watersmart rebate program	475.20
01/02/20	Moulton Niguel Water District	November 2019 So Cal Watersmart rebate program	4,400.00
01/24/20	City of San Clemente	November 2019 So Cal Watersmart rebate program	750.00
01/24/20	El Toro Water District	November 2019 So Cal Watersmart rebate program	865.00
01/31/20	Yorba Linda Water District	Water Loss Control technical assistance - WSO, Inc	9,372.00
01/02/20	Irvine Ranch Water District	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/08/20	Trabuco Canyon Water District	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/13/20	Santa Margarita Water District	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/13/20	Serrano Water District	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/15/20	East Orange County Water District	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/21/20	City of Fountain Valley	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/21/20	City of Garden Grove	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/21/20	City of Santa Ana	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/21/20	Moulton Niguel Water District	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/27/20	City of Buena Park	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
01/31/20	City of Huntington Beach	AWIA Phase 2 Risk and Resilience Assessment	83,855.00
3 3 20	any an individual bound	ATTENTO THE SECOND CONTRACT OF THE SECOND CON	00,000.00

TOTAL MISCELLANEOUS REVENUES \$ 997,993.19

TOTAL REVENUES \$ 10,389,097.91

Robert J. Hunter, General Manager

Hilary Chumpitazi, Treasurer

## Municipal Water District of Orange County Disbursement Approval Report For the month of February 2020

Invoice#	Vendor / Description	Amount to Pay
Core Expenditu	res:	
	Above All Catering, Inc.	
C34958	1/23/20 Lunch for Managers' meeting	407.27
C35016	1/29/20 Lunch for OC MET Managers' meeting	333,63
	*** Total ***	740.90
	Richard C. Ackerman	
1267	January 2020 Consulting on legal and regulatory matters	2,250.00
	*** Total ***	2,250.00
	ACWA	
INV007932	Job posting for Water Use Efficiency Analyst II position	625.00
	*** Total ***	625.00
	ARC	
10517745	Map scanned to PDF file	4.33
	*** Total ***	4.33
	Association of California Cities - OC	
2524	1/27/20-1/28/20 Sacramento Advocacy Trip registration for Director Yoo Schneider	895.00
	*** Total ***	895.00
	ACCO Engineered Systems, Inc.	
R360947	Retainage for services to replace computer room A/C unit	3,946.00
	*** Total ***	3,946.00
	Aleshire & Wynder LLP	
54990	11/15/19-12/31/19 Legal services	5,260.87
	*** Total ***	5,260.87
	Alta FoodCraft	
52001192	1/15/20 Coffee & tea supplies	285.30
	*** Total ***	285.30
2424	Awards and Trophies Company	20.24
2424	Name plate for new employee  *** Total ***	20.24 20.24
	Cost Cost and Vaionas II D	
867514	Best Best and Krieger LLP  December 2019 State legislative advocacy services	8,562.36
55401-DEC19	December 2019 Legal services	12,473.48
	*** Total ***	21,035.84
	Black & Veatch	
1313253	11/30/19-1/3/20 Develop OC Distribution System Water Supply Integration	11,284.50
	Hydraulic Model Phase 1	
	*** Total ***	11,284.50

## Municipal Water District of Orange County Disbursement Approval Report For the month of February 2020

Invoice#	Vendor / Description	Amount to Pay
	California Association of Public Information Officials	
9030	4/20/20-4/23/20 Annual conference in Santa Barbara, CA registration for T. Baca	615.00
9031	4/20/20-4/23/20 Annual conference in Santa Barbara, CA registration for S. Wilson	615.00
	*** Total ***	1,230.00
	California Water Efficiency Partnership	
MD-2020-168	2020 Annual membership renewal	6,083.22
	*** Total ***	6,083.22
	Carl Markham Signs & Graphics	
19-310	Re-letter 4 name plaques for Directors Barbre and Tamaribuchi	152.92
	*** Total ***	152.92
	CDM Smith	
90090720	12/1/19-12/28/19 Water Resource Planning services	7,152.50
	*** Total ***	7,152.50
	CSU Fullerton ASC	
AR169908	FY 2019/20 3rd Quarter Center for Demographic Research support	12,538.95
	*** Total ***	12,538.95
	El Toro Water District	
3581	2020 WEROC S. EOC Site annual lease	1,000.00
	*** Total ***	1,000.00
	Ferguson Waterworks #1083	
0699620	Freight for invoice 0700164 for Water Loss Control supplies	27.41
	*** Tota! ***	27.41
	Gladwell Governmental Services, Inc.	
4286	January 2020 Services for records retention legal review and update	100.00
	*** Total ***	100.00
	Government Finance Officers Association	
0222001	4/1/20-3/31/21 Annual membership renewal for H. Chumpitazi	160.00
	*** Tota! ***	160.00
	GovernmentJobs.com, Inc.	
INV-11990	12/28/19-12/27/20 Job posting subscription and license for Performance Management software	3,678.15
	*** Total ***	3,678.15
165770	Green Shades Software, Inc. Federal Tax ID verification for 2019 W-2 and 1099 forms	25.11
165778	*** Total ***	25.11
	iotai	25.11
4245	Hashtag Pinpoint Corporation	7.047.00
1215	January 2020 Strategic digital communications consulting services  *** Total ***	7,917.00 7,917.00
	··· POLAT ···	1,311.00

## Municipal Water District of Orange County Disbursement Approval Report For the month of February 2020

Invoice#	Vendor / Description	Amount to Pay
	Harndon Solutions Group II C	
100005	Herndon Solutions Group LLC  December 2019 Services to assist with America's Water Infrastructure Act compliance	3,118.71
100003	*** Total ***	3,118.71
	Independent Special Dist of OC	750.00
013020PAYPAL	11/27/19-1/30/20 PayPal receipts for 1/30/20 meeting	760.88 34.00
01/30/20REG	1/30/20 ISDOC meeting registration for Directors Dick and Finnegan  *** Total ***	34.00 794.88
	· · · · lotal · · ·	754.00
	James C. Barker, P.C.	
105-0120	January 2020 Federal legislative advocacy services	8,000.00
	*** Total ***	8,000.00
	L.A. Design Studio	
5185	Website analysis and ADA compliance software	2,400.00
	*** Total ***	2,400.00
	Lawnscape Systems, Inc.	295.00
407203	1/3/20 Landscape maintenance for atrium  *** Total ***	295.00 295.00
	Total	255.00
	Lewis Consulting Group	
2020-105	January 2020 Consulting services	3,187.50
	*** Total ***	3,187.50
	Edward G. Means III	
MWDOC-1079	January 2020 Consulting on MET issues and guidance to Engineering staff	2,280.16
	*** Total ***	2,280.16
	Municipal Resource Group, LLC	
03-19-566	November-December 2019 Services for Performance Management Evaluation	3,600.00
	and Implementation	
03-19-567	November-December 2019 Services for Coaching and Leadership Development	1,873.65
	*** Total ***	5,473.65
	NDS	
720432	12/27/19 Delivery charges for Board packets	172.01
721070	1/2/20 & 1/10/20 Delivery charges for Board packets	164.01
	*** Total ***	336.02
	O.I. Corporation	
236608	January 2020 Service to repair Water Loss Control pressure logger	255.10
	*** Total ***	255.10
	Office Depot, Inc.	120.40
432102689001	1/22/20 Office supplies  *** Total ***	120.10 120.10
	Total Total	120.10

Invoice#	Vendor / Description	Amount to Pay
	Office Solutions	
1-01691641	12/27/19 Office supplies	130.50
I-01701845	1/16/20 Office supplies	306.63
I-01702389	1/17/20 Office supplies	6.62
I-01703852	1/21/20 Office supplies	280.14
1-01706398	Letterhead order	657.01
I-01708371	1/29/20 Office supplies	177.66
I-01711510	2/4/20 Office supplies	14.97
, 51, 11515	*** Total ***	1,573.53
	OMB Electrical Engineers, Inc.	
80802	December 2019 Electrical Engineering for MWDOC office upgrade	1 445 00
00002	*** Total ***	1,445.00 1,445.00
		2,7.12.122
	Orange County Water District	
21238	December 2019 50% share of WACO expense	193.75
21251	December 2019 Postage, shared office and maintenance expense	10,443.87
	*** Total ***	10,637.62
	Orange County Fast Print	
58706	1,000 Business cards	107.76
	*** Total ***	107.76
	Judy Pfister	
OCT-DEC2019	October-December 2019 Retiree medical premium	400.50
	*** Total ***	400.50
	ProActive Consulting Group	
0007023	December 2019 Services to register generator with California Air Resource Board	2,000.00
0007025	*** Total ***	2,000.00
	,	2,000,00
WTD 00004556	Sonoma County Water Agency	
WTR-00001556	2020 Qualified Water Efficient Landscaper program annual fee	500.00
	*** Total ***	500.00
	Joey C. Soto	
MWDOC#020	December 2019 Grant Research & Acquisition assistance	3,000.00
MWDOC#021	January 2020 Grant Research & Acquisition assistance	2,997.00
	*** Total ***	5,997.00
	Steven Enterprises, Inc.	
0426043-IN	Ink cartridge for plotter	184.27
	*** Total ***	184.27
	Roth Staffing Companies, LP	
13841039	1/6/20-1/12/20 Temporary administration staff	1,212.67
13844169	1/13/20-1/19/20 Temporary administration staff	1,154.30
<del>-</del>	*** Total ***	2,366.97
		-,,

Invoice#	Vendor / Description	Amount to Pay
	Manaldanka Inc	
INIV/1006367	WageWorks, Inc.	185.25
INV1886267	January 2020 Cafeteria plan administration  *** Total ***	185.25
	Total Core Expenditures	138,072.26
Choice Expendi	tures:	
	Above All Catering, Inc.	
C34846	1/14/20 Lunch for Water Loss Control Workgroup meeting	486.64
	*** Total ***	486.64
	Bolsa Chica Conservancy	
010720	September-December 2019 Water Education High School program	16,000.00
020520	January 2020 Water Education High School program	8,240.00
	*** Total ***	24,240.00
	Building Block Entertainment, Inc.	
3385-3	December 2019 Elementary School program for grades K-2	3,400.00
3381-3	January 2020 Elementary School program for grades K-2	8,500.00
	*** Total ***	11,900.00
	Discovery Science Center	
1292	December 2019 Elementary School program for grades 3-6	5,325.98
1304	January 2020 Middle School program for grades 7-8	256.60
1311	January 2020 Elementary School program for grades 3-6	13,745.38
	*** Total ***	19,327.96
	Droplet Technologies	
1116	2020 Annual license for Turf Removal and Spray-to-Drip Rebate programs	45,072.00
	application software	
	*** Total ***	45,072.00
	Grainger	
9407314096	1/10/20 Supplies for Water Loss Control Shared Services	52.33
•	*** Total ***	52.33
	Green Shades Software, Inc.	
165778	Federal Tax ID verification for 2019 rebate programs 1099 forms	75.64
	*** Total ***	75.64
	Inland Group, LLC	
201010011	5,200 Pressure Regulating Valve Replacement program door hangers for	1,635.50
	Mesa Water District	
201009011	3,000 Pressure Regulating Valve Replacement program flyers for Mesa Water	633.57
	District	
	*** Total ***	2,269.07

Invoice#	Vendor / Description	Amount to Pay
2782	Mission RCD  December 2019 Field verifications for Water Use Efficiency rebate programs  *** Total ***	2,585.88 2,585.88
21251	Orange County Water District December 2019 Postage for Water Use Efficiency rebate programs *** Total ***	24.85 24.85
I-01701765 I-01703854 I-01703841 I-01704365	Office Solutions 1/16/20 Supplies for Qualified Water Efficient Landscaper training binders 1/21/20 Supplies for Qualified Water Efficient Landscaper training binders 1/21/20 Supplies for Qualified Water Efficient Landscaper training binders 1/22/20 Supplies for Qualified Water Efficient Landscaper training binders *** Total ***	239.90 70.69 372.14 11.69 694.42
869434993004	US Bank Voyager Fleet Systems 11/25/19-12/24/19 Fuel and wash for Water Loss Control Shared Services vehicles *** Total ***	232.85 232.85
	Total Choice Expenditures	106,961.64
Other Funds Exp	penditures:	
1619	EcoTech Services, Inc.  December 2019 Services for Landscape Design and Maintenance program  *** Total ***	3,425.00 3,425.00
100005	Herndon Solutions Group LLC  December 2019 Services to assist with America's Water Infrastructure Act compliance  *** Total ***	83,756.31 83,756.31
25168 25196	Large Plumbing December 2019 Services for Pressure Regulating Valve replacement program January 2020 Services for Pressure Regulating Valve Replacement program *** Total ***	920.00 1,100.00 2,020.00
11002	Mega Maids Cleaning Service 1/17/20 Cleaning services for WEROC S. EOC *** Total ***	90.00 90.00
2782 2809	Mission RCD  December 2019 Field verifications for Water Use Efficiency rebate programs  January 2020 Field verifications for Water Use Efficiency rebate programs  *** Total ***	4,437.67 10,350.55 14,788.22

Invoice#	Vendor / Description	Amount to Pay
	Orange County Fast Print	
58706	500 Business cards	53.87
	*** Total ***	53.87
	The Plant Nerd	
5859	December 2019 Services for Landscape Design and Maintenance program	9,270.00
5890	January 2020 Services for Landscape Design and Maintenance program	10,170.00
	*** Total ***	19,440.00
	TerraWorks Studio	
2	December 2019 Services for Landscape Design and Maintenance program	1,490.00
	*** Total ***	1,490.00
	Water Systems Optimization, Inc.	
1712	January 2020 Water Loss Control program	19,874.93
	*** Total ***	19,874.93
	Total Other Funds Expenditures	144,938.33
	Total Expenditures	389,972.23

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
Core Disbui	rsements	:		
139425	1/9/20	ABOVEA	Above All Catering, Inc.	
		C34513	11/21/19 Lunch for Managers' meeting (Re-issue) ***Total ***	465.72 465.72
139426	1/9/20	BUIJEA	Jeannie Bui	
		011320	January 2020 Business expense ***Total ***	23.00 23.00
139428	1/9/20	SPECTB	Spectrum Business	
	-, -,	0375210010120	January 2020 Telephone and internet expense	1,103.31
			***Tota  ***	1,103.31
139430	1/9/20	VERIZO	Verizon Wireless	
		9844895714	December 2019 4G Mobile broadband unlimited service  ***Total ***	114.03 114.03
139436	1/15/20	CORTBU	Cort Business Services Corp.	
		7101355	January 2020 Furniture lease for 5 temporary	561.50
			workstations ***Total ***	561.50
139438	1/15/20	HOMED1 7785-DEC19	Home Depot Credit Services 2 Poinsettias for office	8.62
		7/83-DEC13	***Total ***	8.62
139443	1/15/20	SPECTB	Spectrum Business	
	, ,	0343564011020	January 2020 Telephone expense for 3 analog fax lines	108.75
			***Tota  ***	108.75
ACH004470	1/15/20	ACKEEX	Linda Ackerman	
		123119	December 2019 Business expense ***Total ***	64.96 64.96
		BACATI	Tiffany Baca	
ACH004473	1/15/20	113019	November 2019 Business expense	142.00
ACH004474	1/15/20		December 2019 Business expense	194.34
			***Tota  ***	336.34
		BAEZHE	Heather Baez	
ACH004476	1/15/20	113019	November 2019 Business expense	37.30
ACH004477	1/15/20	123119	December 2019 Business expense  ***Total ****	129.38 166.68
ACH004481	1/15/20	BUSSLI	Charles Busslinger	
AC11004461	1/15/20	123119	December 2019 Business expense	72.97
		-+	***Total ***	72.97

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
ACH004483	1/15/20	СНИМРІ	Hilary Chymaitari	
ACHUU4463	1/15/20	122019	Hilary Chumpitazi December 2019 Business expense	31.54
			***Total ***	31.54
ACH004484	1/15/20	DELATO	Harvey De La Torre	
		12191 <del>9</del>	December 2019 Business expense	326.29
			***Total ***	326.29
ACH004485	1/15/20	DICKEX	Larry Dick	
		123119	December 2019 Business expense	142.10
			***Total ***	142.10
		HALEY	Melissa Baum Haley	
ACH004489	1/15/20	113019	November 2019 Business expense	283.08
ACH004490	1/15/20	123119	December 2019 Business expense	288.63
			***Total ***	571.71
ACH004506	1/15/20	MCVICK	Robert McVicker	
		123119	December 2019 Business expense	131.66
			***Total ***	131.66
ACH004507	1/15/20		Bryce Roberto	
		123119	December 2019 Business expense	50.75
			***Total ***	50.75
ACH004510	1/15/20		Megan Yoo Schneider	
		123119	December 2019 Business expense	358.56
			***Total ***	358.56
ACH004513	1/15/20	TAMARI	Satoru Tamaribuchi	
		123119	December 2019 Business expense	159.91
			***Total ***	159.91
ACH004516	1/15/20	THOMAS	Jeffery Thomas	
		123119	December 2019 Business expense	587.93
			***Total ***	587.93
ACH004520	1/15/20		Rachel Waite	
		123119	December 2019 Business expense	127.60
			***Total ***	127.60
		WILSON	Sarah C. Wilson	
ACH004522	1/15/20	113019	November 2019 Business expense	26.04
ACH004523	1/15/20	123119	December 2019 Business expense  ***Total ***	60.32
			· · · · IOtal · · · ·	86.36
139471	1/31/20	THORSE	Jason Thorsell	
		013120	January 2020 Business expense	32.69
			***Total ***	32.69

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
139472	1/31/20	USBANK	U.S. Bank	
		0403/0640/5443-DEC19	11/23/19-12/23/19 Cal Card charges	25,534.01
			***Total ***	25,534.01
			(See attached sheet for details)	
ACH004524	1/31/20	FINNEG	Joan Finnegan	
		123119	December 2019 Business expense	83.50
			***Tota  ***	83.50
		SECKEL	Karl Seckel	
ACH004530	1/31/20	113019	November 2019 Business expense	13.27
ACH004531	1/31/20	123119	December 2019 Business expense	20.62
ACH004532	1/31/20	013120	January 2020 Business expense	81.94
			***Total ***	115.83
			Total Core Disbursements	31,366.32
Choice Dist	bursemer	nts:		
139472	1/31/20	USBANK	U.S. Bank	
		0640-DEC19	11/23/19-12/23/19 Cal Card charges	1,346.88
			***Total ***	1,346.88
			(See attached sheet for details)	
			Total Choice Disbursements	1,346.88
Other Fund	ds Disbur:	sements:		
139425	1/9/20	ABOVEA	Above All Catering, Inc.	
		C34009	11/7/19 Lunch for Water Use Efficiency Workgroup	474.15
		C34535	meeting (Re-issue) 11/20/19 Lunch for CalWEP Board meeting (Re-issue)	306.68
		C34535	***Total ***	780.83
139430	1/9/20	VERIZO	Verizon Wireless	
133430	1/3/20	9844895714	December 2019 4G Mobile broadband unlimited service	76.02
			***Total ***	76.02
139431	1/15/20	ATTUVEOC	AT&T	
	• •	1812-JAN20	January 2020 WEROC N. EOC U-verse internet service	53.50
			***Total ***	53.50
139432	1/15/20	ATTCALN	AT&T	
		000014099986	December 2019 WEROC N. & S. EOC telephone expense	309.56
		000014099987	December 2019 WEROC N. EOC telephone expense	107.96
			***Total ***	417.52

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
				·······
ACH004498	1/15/20	MESAWA	Mesa Water District	
AC11004438	1/13/20	10034	November 2019 Credit for Local Resources program	27,846.79
		1003	***Total ***	27,846.79
			1014.	21,010.15
ACH004511	1/15/20	SCHWENE	Leslie Schwene	
		123119	December 2019 Business expense	25.06
			***Total ***	25.06
139447	1/29/20	DRIPPR	Spray to Drip Program	
	_,,_	S2D3-R-SOCO-38939-17428	S. Geddes	356.80
			***Total ***	356.80
		TURFRP	Turf Removal Program	
139448	1/29/20	TR13-R-MNT-38736-37638	H. Wang	3,114.00
139449	1/29/20	TR13-R-MNT-38744-37647	K. Saetang	2,460.00
139450	1/29/20		L. Cucinella	1,876.00
139451	1/29/20		J. Cronkite	678.00
139452	1/29/20		G. Dyakon	1,794.00
139453	1/29/20		R. Widdowson	1,320.00
139454	1/29/20		S. Saremi	5,484.00
139455	1/29/20	TR13-R-TUST-38858-37760	V. Bonacci	1,258.00
139456	1/29/20		S. Bremser	642.00
139457	1/29/20	TR13-R-IRWD-38893-37787	C. Bower	213.70
139458	1/29/20	TR13-R-MNT-38914-37806	G. Kjesbo	3,417.00
139459	1/29/20	TR13-R-MNT-38938-37830	A. May	1,257.98
139460	1/29/20	TR13-R-MNT-39089-37968	W. Callaghan	750.00
139461	1/29/20	TR13-R-SOCO-39103-37980	M. Hutchison	1,170.00
139462	1/29/20	TR13-R-MNT-39108-37983	V. Clements	1,593.00
139463	1/29/20	TR13-R-O-39066-38029	M. Eckert	5,100.00
139464	1/29/20	TR13-R-MNT-39183-38052	D. Frisk	2,901.00
			***Total ***	35,028.68
139466	1/31/20	HARRISD	Daniel Harrison	
		123119	December 2019 Business expense	167.28
			***Total ***	167.28
		MFHETD	Multi Family HET Direct	
139468	1/31/20	011720TUSTINVILLAS	Tustin Villas Apartments (Tustin)	5,000.00
139469	1/31/20	011720TRASKI&II	Trask I & II Apartments (Westminster)	1,500.00
			***Total ***	6,500.00
139470	1/31/20	SANTI1	Santiago Aqueduct Commission	
		NOV2019	November 2019 SAC Pipeline Operation surcharge	2,835.91
			***Total ***	2,835.91

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
				1.60
139472	1/31/20	USBANK	U.S. Bank	
		0640-DEC19	11/23/19-12/23/19 Cal Card charges	2,188.12
			***Total ***	2,188.12
			(See attached sheet for details)	
ACH004533	1/31/20	SANTAM	Santa Margarita Water District	
	8 (9)	NOV2019	November 2019 SCP Pipeline Operation surcharge	24,994.69
			***Total ***	24,994.69
WIRE-200131	1/31/20	METWAT	Metropolitan Water District	
	av 3)	9914	November 2019 Water deliveries	9,979,391.40
			***Total ***	9,979,391.40
			Total Other Funds Disbursements	10,080,662.60
			Total Disbursements	10,113,375.80

Robert J. Hunter, General Manager

Hilary Chumpitazi, Treasurer

Cal Card Charges Statement Date: December 23, 2019 Payment Date: January 31, 2020

Date Description		A	mount
Public Affairs C	<u>ard</u>		
11/26/2019	10 Plastic storage boxes	\$	96.87
12/5/2019	Supplies for Public Affairs Workshop meeting		67.65
12/9/2019	Lunch for 2020 OC Water Summit meeting		98.20
12/10/2019	Lunch for Public Affairs Workshop meeting		403.41
	Total	\$	666.13

Date	Description	Amount
K. Seckel Card		
11/21/2019	Lunch for Administration Staff Development meeting	\$ 127.45
11/21/2019	American Water Works Association North American Water Loss conference	626.00
,	in Nashville, TN from Dec. 3-5, 2019 - Airfare for R. Davis	
11/24/2019	10/24/19-11/23/19 Web hosting service for MWDOC website	15.67
11/25/2019	All-in-One desktop computer	1,041.15
11/25/2019	60 Signs printed for Water Use Efficiency Turf Removal program	593.59
11/25/2019	CalDesal conference in Santa Barbara, CA from Feb. 6-7, 2020 - Registration for C. Busslinger	250.00
11/25/2019	Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Airfare for H. De La Torre	277.96
11/26/2019	Water Treatment Operator Certification online class registration for L. Schwene	99.00
11/26/2019	American Water Works Association North American Water Loss conference in Nashville, TN from Dec. 3-5, 2019 - Registration for R. Davis	395.00
11/26/2019	11/18/19-11/17/20 License for Surveygizmo software	330.00
11/27/2019	4 Toner cartridges and photoconductor unit for Ricoh color printer	338.38
12/2/2019	12/1/19-12/31/19 E-mail service for California Sprinkler Adjustment Notification system	14.95
12/2/2019	Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Airfare for H. Baez	332.96
12/2/2019	Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Airfare change for H. De La Torre	55.00
12/2/2019	Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Airfare for M. Baum Haley	332.96
12/3/2019	American Water Works Association North American Water Loss conference in Nashville, TN from Dec. 3-5, 2019 - Accommodations for J. Berg	1,055.62 1
12/3/2019	American Water Works Association North American Water Loss conference in Nashville, TN from Dec. 3-5, 2019 - Accommodations for R. Davis	804.20
12/3/2019	Lunch for Staff Development meeting	235.99
12/4/2019	FedEx delivery charges for Xylem, Inc.	20.11
12/4/2019	California Chamber of Commerce annual membership renewal	849.00
12/4/2019	50 Cinemark movie tickets for employee purchase	485.00
12/5/2019	ACWA Fall conference in San Diego, CA from Dec. 3-5, 2019 - Accommodations for D. Micalizzi	615.42
12/5/2019	ACWA Fall conference in San Diego, CA from Dec. 3-5, 2019 - Accommodations for K. Seckel	541.56
12/5/2019	Orange County Emergency Management Organization Holiday lunch in Anaheim, CA	1,951.73 2
12/6/2019	ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for H. Baez	742.34
12/6/2019	ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for H. De La Torre	707.34
12/6/2019	ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for M. Baum Haley	707.34
12/6/2019	California Environmental Literacy Initiative Leadership Council meeting in Sacramento, CA on Dec. 18, 2019 - Airfare for T. Baca	368.96

Date	Date Description	
K. Seckel Card	(Continued)	
12/8/2019	FedEx delivery charges for R. Gastelum	23.66
12/8/2019	Rain jacket for Water Loss Control Shared Services staff	65.24
12/8/2019	Camping stool for Water Loss Control Shared Services	15.20
12/10/2019	Rain trouser for Water Loss Control Shared Services staff	152.22
12/11/2019	California Water Efficiency Partnership Plenary meeting in Santa Barbara from Dec. 10-11, 2019 - Accommodations for R. Waite	137.15
12/11/2019	700 Envelopes for 1099 forms and 100 W-2 forms	184.83
12/11/2019	Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Meal for H. Baez, M. Baum Haley and H. De La Torre	83.61
12/12/2019	Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Meal for H. Baez, M. Baum Haley and H. De La Torre	50.24
12/13/2019	FedEx delivery charges for James Barker	35.93
12/13/2019	Food for Staff Development meeting	30.49
12/13/2019	Computer supplies	84.82
12/13/2019	4 Computer monitors	600.21
12/15/2019	Earphones for Water Loss Control Shared Services	34.78
12/17/2019	Lunch for America's Water Infrastructure Act Workshop meeting	236.39
12/17/2019	Lunch for MWDOC Staff Grievance Procedures Training meeting	245.99
12/19/2019	3/1/20-2/28/21 International Public Management Association for Human Resoures membership renewal for C. Harris	109.00
12/20/2019	4 Toner cartridges for Ricoh color printer	148.41
12/21/2019	Flowers for MWDOC Staff member	87.24
	Total	\$ 16,240.09

J. Berg reimbursed MWDOC \$280.07 OCEMO Lunch attendees reimbursed MWDOC

Description	<u>Ar</u>	nount
Meals for R. Hunter's meetings	\$	114.38
California Foundation on the Environment and the Economy Water	·	281.90
California Environmental Dialogue Plenary meeting in Sacramento, CA		532.65
California Environmental Dialogue Plenary meeting in Sacramento, CA		325.64
from Dec. 1-3, 2019 - Accommodations for Director Tamaribuchi		_
Association of California Cities, Orange County Sacramento Advocacy Trip in Sacramento, CA from Jan. 27-28, 2020 - Registration for Director Barbre		795.00
Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for H. De La Torre		179.71
Colorado River Water Users Association conference in Las Vegas, NV		179.71
Colorado River Water Users Association conference in Las Vegas, NV		410.96
		188.78
Colorado River Water Users Association conference in Las Vegas, NV		103.00
·		100.00
·		371.89
		<u>-</u>
Legislative activities in Washington, DC from Feb. 25-28, 2020 - Airfare for		1,238.60 [
ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 -		707.34
· · · · · · · · · · · · · · · · · · ·		812.34
		836.86
ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 -		878.10 [
Accommodations for Director McVicker		
		(34.01)
Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Meal for R. Hunter, H. Baez, H. De La Torre,		442.00
		(34.01)
<del>-</del>		(5 7.5 1)
Environmental & Water Resources Institute, World Environmental & Water Resources Congress in Henderson, NV from May 16-21, 2020 -		120.84
Accommodations deposit for Director McVicker		
Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Meal for R. Hunter		30.98
	Meals for R. Hunter's meetings California Foundation on the Environment and the Economy Water conference in Carlsbad, CA from Nov. 21-22, 2019 - Accommodations for Director Tamaribuchi California Environmental Dialogue Plenary meeting in Sacramento, CA from Dec. 1-3, 2019 - Accommodations for Director Yoo Schneider California Environmental Dialogue Plenary meeting in Sacramento, CA from Dec. 1-3, 2019 - Accommodations for Director Tamaribuchi Association of California Cities, Orange County Sacramento Advocacy Trip in Sacramento, CA from Jan. 27-28, 2020 - Registration for Director Barbre Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for H. De La Torre Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for M. Baum Haley Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Airfare for R. Hunter Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for H. Baez Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Airfare change for H. Baez The Toll Roads FasTrak deposit for R. Hunter Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for Director Barbre Legislative activities in Washington, DC from Feb. 25-28, 2020 - Airfare for Director Barbre ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for Director Tamaribuchi ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for Director Thomas ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for Director Thomas Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Accommodations refund for Director Thomas Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Meal for R. Hunter, H. Baez, H. De La Torre	Meals for R. Hunter's meetings California Foundation on the Environment and the Economy Water conference in Carlsbad, CA from Nov. 21-22, 2019 - Accommodations for Director Tamaribuchi California Environmental Dialogue Plenary meeting in Sacramento, CA from Dec. 1-3, 2019 - Accommodations for Director Yoo Schneider California Environmental Dialogue Plenary meeting in Sacramento, CA from Dec. 1-3, 2019 - Accommodations for Director Tamaribuchi Association of California Cities, Orange County Sacramento Advocacy Trip in Sacramento, CA from Jan. 27-28, 2020 - Registration for Director Barbre Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for H. De La Torre Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for M. Baum Haley Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for H. Baez Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Accommodations balance for H. Baez Colorado River Water Users Association conference in Las Vegas, NV from Dec. 10-13, 2019 - Airfare change for H. Baez The Toll Roads Fas Trak deposit for R. Hunter Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Accommodations balance for Director Barbre Legislative activities in Washington, DC from Feb. 25-28, 2020 - Airfare for Director Barbre ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for Director Tamaribuchi ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for Director Thomas ACWA Fall conference in San Diego, CA from Dec. 3-6, 2019 - Accommodations for Director Thomas Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Accommodations conference in Las Vegas, NV from Dec. 11-13, 2019 - Meal for R. Hunter, H. Baez, H. De La Torre, M. Baum Haley and 9 guests Colorado River Water Us

Date	Description	Amount
R. Hunter Card	(Continued)	
12/13/2019	Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Parking for R. Hunter	50.00
12/14/2019	Colorado River Water Users Association conference in Las Vegas, NV from Dec. 11-13, 2019 - Accommodations refund for R. Hunter	(34.01) 5
12/16/2019	Association of California Cities, Orange County Washington DC Advocacy Trip in Washington, DC from Apr. 21-23, 2020 - Airfare for Director Barbre	948.60 7
12/18/2019	Staff holiday luncheon	2,630.54
12/19/2019	Orange County Water Association Industry Insight presentation in Irvine, CA on Nov. 20, 2019 - Registration for Director McVicker partial refund	(15.00)
	Total	\$ 12,162.79

- 1 Registration was canceled and refund received on 1/17/20
- 2 Director Barbre reimbursed MWDOC \$354.71
  - Director Barbre to reimburse MWDOC \$872.00
  - Director McVicker reimbursed MWDOC \$67.50
- 5 Early check-in was not used, refund received for rate difference
- GRWUA 2018 conference hotel deposit was not refunded and held for 1 year due to late cancellation.

  2018 deposit was not used for 2019 conference. After 1 year forefeiture fee was applied and difference was refunded
- 7 Director Barbre to reimburse MWDOC \$528.60

#### Municipal Water District of Orange County GM Approved Disbursement Report <sup>(1)</sup> For the month of January 2020

Check #	Date	Vendor # Invoice/CM #	Name / Description	Net Amount
Core Disbu	rsements	•		
			U.S. Postal Service	
139429	1/9/20	2020-BOX20895	2020 P.O. Box annual fee	1,240.00
			***Total ***	1,240.00
139446	1/17/20	AVENUE	Avenue of the Arts Costa Mesa	
	-,,	M-JSYOZ90	2/12/20 Water Policy Dinner deposit for event facility	1,500.00
			***Total ***	1,500.00
ACH004528	1/31/20	ULTIMS	Roth Staffing Companies, LP	
AC11004520	1/31/20	13835124	12/23/19-12/29/19 Temporary administration staff	662.24
			***Total ***	662.24
ACH004529	1/31/20	ULTIMS	Roth Staffing Companies, LP	
AC(1004323	1/31/20	13837879	12/30/19-1/5/20 Temporary administration staff	802.40
		1303.0.3	***Total ***	802.40
			Total Core Disbursements	4,204.64
Choice Disk	bursemer	nts:		
			Total Choice Disbursements	-
Other Fund	ds Disbur	sements:		
			Total Other Funds Disbursements	
				-3
			Total Disbursements	4,204.64

Robert J. Hunter, General Manager

Hilary Chumpitazi, Treasurer

<sup>(1)</sup> 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

December 31, 2019

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

> > Sat Tamaribuchi President

Joan C. Finnegan Vice President

> Brett R. Barbre Director

> > Larry D. Dick Director

Bob McVicker, P.E., D.WRE Director

Megan Yoo Schneider, P.E. Director

> Jeffery M. Thomas Director

Robert J. Hunter General Manager

#### MEMBER AGENCIES

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

Yorba Linda Water District

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

Fund	Book Value	% of Portfolio
Designated Reserves		
General Operations	\$3,830,240	22.10%
Grant & Project Cash Flow	1,500,000	8.66%
Election Expense	696,000	4.02%
Building Repair	444,186	2.56%
OPEB	297,147	<u>1.71%</u>
Total Designated Reserves	6,767,573	39.05%
General Fund	8,719,610	50.31%
Water Fund	1,845,922	10.65%
Conservation Fund	(823,747)	(4.75%)
WEROC Fund	791,549	4.57%
Trustee Activities	29,608	0.17%
Total	\$17,330,515	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	1.52%	\$262,703	\$262,703
Short-term investment			
<ul><li>LAIF</li></ul>	52.42%	\$9,084,063	\$9,084,063
<ul> <li>OCIP</li> </ul>	28.17%	4,882,647	4,882,647
Long-term investment	ii ii	**************************************	3500 00
<ul> <li>Corporate Bond</li> </ul>	6.64%	1,151,102	1,152,500
<ul> <li>Certificates of Deposit</li> </ul>	11.25%	1,950,000	1,990,078
Total	100.00%	\$17,330,515	\$17,371,991

The average number of days to maturity/call as of December 31, 2019 equaled 150 and the average yield to maturity is 2.067%. During the month, the District's average daily balance was \$25,113,151.65. Funds were invested in Federal Agency Issues, Certificates of Deposit, Negotiable CD's, Miscellaneous Securities, the Local Agency Investment Funds (LAIF) and the Orange County Investment Pool (OCIP) during the month of December 2019.

The \$41,476 difference between the book value and the market value on December 31, 2019 represents the exchange difference if all investments had been liquidated on that date. Since it is the District's practice to "buy and hold" investments until maturity, the market values are a point of reference, not an indication of actual loss or gain. There are no current plans or cash flow requirements identified in the near future that would require the sale of these securities prior to maturity.

Robert J. Hunter General Manager

Hilary Chumpitazi
Treasurer



# MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

# Portfolio Management - Portfolio Summary

December 31, 2019

12/31/2019	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Negotiable Certificate Of Deposit	1,950,000.00	1,990,077.50	1,950,000.00	11.42	1,029	2.519
Corporate Bond	1,150,000.00	1,152,499.50	1,151,101.67	6.74	470	2.341
Local Agency Investment Funds	9,084,063.61	9,084,063.61	9,084,063.61	53.23	H	2.035
Orange County Investment Pool	4,882,646.73	4,882,646.73	4,882,646.73	28.61	1	1.881
Total Investments	17,066,710.34	17,109,287.34	17,067,812.01	100.00	150	2.067
Cash						
Cash	262,703.38	262,703.38	262,703.38		1	0.00
Total Cash and Investments	17,329,413.72	17,371,990.72	17,330,515.39		150	2.067
Total Earnings	Month Ending December	Fiscal Year to Date				
Current Year	48,349.70	286,947.62				
Average Daily Balance	25,113,151.65					
Effective Rate of Return	2.067%					

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. Per Resolution 2059 there are no compliance exceptions to report.

Robert J. Hunter, General Manager

Date

03\_00 Date

Jale

# MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Portfolio Management Long-Term Portfolio Details - Investments December 31, 2019

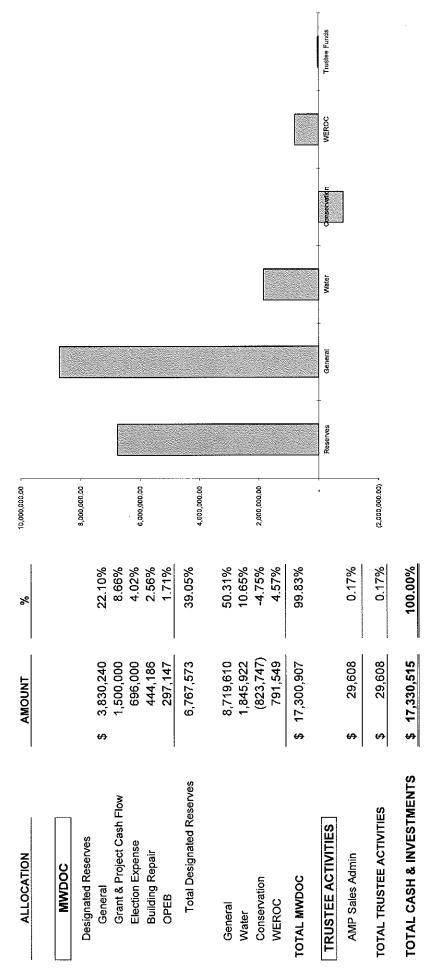
Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Negotiable Certificate Of Deposit									
Barclays Bank	06740KKY2	9/27/2017	250,000.00	253,015.00	250,000.00	2.250	2,250	1,001	9/27/2022
Capital One Bank	14042TBQ9	8/7/2019	250,000.00	253,775.00	250,000.00	2.250	2.250	1,681	8/7/2024
Capital One NA	14042RMJ7	7/24/2019	250,000.00	253,247.50	250,000.00	2.200	2.200	1,667	7/24/2024
Citibank	17294XUN4	7/31/2019	250,000.00	251,072.50	250,000.00	2.200	2.200	213	7/31/2024
Comenity Capital	20033AUX2	7/25/2017	200,000.00	200,950.00	200,000.00	2.000	2.000	563	7/16/2021
Discover Bank	254673RV0	7/25/2018	250,000.00	262,607.50	250,000.00	3.300	3,300	1,302	7/25/2023
Goldman Sachs Bank	38148PT98	8/8/2018	250,000.00	263,170.00	250,000.00	3.350	3.350	1,316	8/8/2023
Morgan Stanley Bank	61747MJ36	2/1/2018	250,000.00	252,240.00	250,000.00	2.500	2.500	398	2/1/2021
Sub Total			1,950,000.00	1,990,077.50	1,950,000.00	2.519	2.519	1,029	
Corporate Bond									
JP Morgan Chase	48130USU0	12/23/2019	500,000.00	499,905.00	499,751,56	2.100	2.268	175	6/23/2023
National Rural Util Coop	63743FE51	7/27/2017	200,000.00	198,688.00	200,000.00	2.500	2.500	927	7/15/2022
Wells Fargo	94974BGR5	1/13/2016	250,000.00	251,522.50	250,308.09	2.550	2.409	342	12/7/2020
Westpac Banking Corp	961214DQ3	7/25/2017	200,000.00	202,384.00	201,042.02	2.500	2.278	910	6/28/2022
Sub Total			1,150,000.00	1,152,499.50	1,151,101.67	2.337	2.341	470	
Total Investments			3,100,000.00	3,142,577.00	3,101,101.67	2.452	2.453	822	

Fiscal Year To Date	40,117.19
Month Ending December	6,403.79
Total Earnings	Current Year

# MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Portfolio Management Short-Term Portfolio Details - Cash and Investments December 31, 2019

Investments	CUSIP/Ticker	CUSIP/Ticker Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Local Agency Investment Funds	LAIF	6/30/2010	9,084,063.61	9,084,063.61	9,084,063.61	2.035	2.035	-	N/A
Sub Total			9,084,063.61	9,084,063.61	9,084,063.61	2.035	2.035	-	
Orange County Investment Pool County of Orange LG!P	OCIP	6/29/2005	4,882,646.73	4,882,646.73	4,882,646.73	1.881	1.881	-	N/A
Sub Total			4,882,646.73	4,882,646.73	4,882,646.73	1.881	1.881	7	
Total Investments			13,966,710.34	13,966,710.34	13,966,710.34	1.981	1.981		
Cash					1				
Petty Cash Cash	CASH	7/1/2010	500.00	500.00	500.00	0.000	0.000		N/A
US Bank Cash	CASHUSBANK	7/25/2018	262,203.38	262,203.38	262,203.38	0.000	0.000	•	Ν̈́
Total Cash			262,703.38	262,703.38	262,703.38	0.000	0.000	1	
Total Cash and Investments			14,229,413.72	14,229,413.72	14,229,413.72	1.981	1.981	~	
Total Earnings		Mont	Month Ending December	Fig	Fiscal Year To Date				
Current Year			41,945.91		246,830,43				

Municipal Water District of Orange County Cash and Investments at December 31, 2019





#### MUNICIPAL WATER DIST OF ORANGE COUNTY PARS Post-Employment Benefits Trust

Account Report for the Period 12/1/2019 to 12/31/2019

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

		Accoun	t Summary				
Source	Beginning Balance as of 12/1/2019	Contributions	Earnings	Expenses	Distributions	Transfers	Ending Balance as of 12/31/2019
OPEB PENSION	\$2,290,839.46 \$439,347.42	\$0.00 \$0.00	\$38,324.24 \$7,349.99	\$1,723.80 \$330.56	\$0.00 \$0.00	\$0.00 \$0.00	\$2,327,439.90 \$446,366.85
Totals	\$2,730,186.88	\$0.00	\$45,674.23	\$2,054.36	\$0.00	\$0.00	\$2,773,806.75

	Investment Selection
Source	
OPEB	Moderate HighMark PLUS
PENSION	Moderate HighMark PLUS
	Investment Objective
Source	
OPEB	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.
PENSION	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

				A	nnualized Retu	rn	
Source	1-Month	3-Months	1-Year	3-Years	5-Years	10-Years	Plan's Inception Date
OPEB	1.67%	4.54%	17.71%	8.62%	6.40%	-	10/26/2011
PENSION	1.67%	4.54%	17.79%	-	-	-	7/31/2018

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

Headquarters - 4350 Von Karman Ave., Suite 100, Newport Beach, CA 92660 800.540.6369 Fax 949.250.1250 www.pars.org



### PARS DIVERSIFIED PORTFOLIOS MODERATE

Q4 2019

#### WHY THE PARS DIVERSIFIED MODERATE PORTFOLIO?

#### **Comprehensive Investment Solution**

HighMark® Capital Management, Inc.'s (HighMark) diversified investment portfolios are designed to balance return expectations with risk tolerance. Key features include: sophisticated asset allocation and optimization techniques, four layers of diversification (asset class, style, manager, and security), access to rigorously screened, top tier money managers, flexible investment options, and experienced investment management.

#### **Rigorous Manager Due Diligence**

Our manager review committee utilizes a rigorous screening process that searches for investment managers and styles that have not only produced above-average returns within acceptable risk parameters, but have the resources and commitment to continue to deliver these results. We have set high standards for our investment managers and funds. This is a highly specialized, time consuming approach dedicated to one goal: competitive and consistent performance.

#### **Flexible Investment Options**

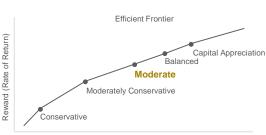
In order to meet the unique needs of our clients, we offer access to flexible implementation strategies: HighMark Plus utilizes actively managed mutual funds while Index Plus utilizes index-based securities, including exchange-traded funds. Both investment options leverage HighMark's active asset allocation approach.

#### **Risk Management**

The portfolio is constructed to control risk through four layers of diversification – asset classes (cash, fixed income, equity), investment styles (large cap, small cap, international, value, growth), managers and securities. Disciplined mutual fund selection and monitoring process helps to drive return potential while reducing portfolio risk.

#### INVESTMENT OBJECTIVE

To provide current income and moderate capital appreciation. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important.



Risk (Standard Deviation)

#### ASSET ALLOCATION — MODERATE PORTFOLIO

	Strategic Range	Policy	Tactical
Equity	40 - 60%	50%	50%
Fixed Income	40 - 60%	45%	48%
Cash	0 - 20%	5%	2%

#### ANNUALIZED TOTAL RETURNS (Gross of Investment Management Fees, but Net of Embedded Fund Fees)

#### HighMark Plus Composite (Active)

riigiliviaik rius Composite (A	ACTIVE)
Current Quarter*	4.49%
Blended Benchmark*,**	4.49%
Year To Date	17.71%
Blended Benchmark**	17.65%
1 Year	17.71%
Blended Benchmark**	17.65%
3 Year	8.54%
Blended Benchmark**	8.27%
5 Year	6.39%
Blended Benchmark**	6.37%
10 Year	7.44%
Blended Benchmark**	7.51%

#### Index Plus Composite (Passive)

index rius Composite (rassive)	
Current Quarter*	4.22%
Blended Benchmark*,**	4.49%
Year To Date	17.52%
Blended Benchmark**	17.65%
1 Year	17.52%
Blended Benchmark**	17.65%
3 Year	7.97%
Blended Benchmark**	8.27%
5 Year	6.07%
Blended Benchmark**	6.37%
10 Year	7.34%
Blended Benchmark**	7.51%

<sup>\*</sup>Returns less than one year are not annualized. \*\*Breakdown for Blended Benchmark: From 10/1/2012 – Present: 26.5% S&P500, 5% Russell Mid Cap, 7.5% Russell 2000, 3.25% MSCI EM (net), 6% MSCI EAFE (net), 33.50% BBG Barclays US Agg, 10% ICE BofA 1-3 Yr US Corp/Govt, 1.50% ICE BofA US High Yield Master II, 1.75% Wilshire REIT, and 5% FTSE 1 Mth T-Bill. From 4/1/2007 – 9/30/2012: the blended benchmark was 43% S&P 500; 2% Russell 2000, 5% MSCI EAFE (net), 15% ICE BofA 1-3 Year Corp./Govt, 30% BBG Barclays US Agg, 5% FTSE 1 Mth T-Bill. Prior to April 2007: the blended benchmark was 50% S&P 500, 15% ICE BofA 1-3Yr Corp/Gov, 30% BBG Barclays US Agg, and 5% FTSE 1 Mth T-Bill.

#### ANNUAL RETURNS (Gross of In

#### (Gross of Investment Management Fees, but Net of Embedded Fund Fees)

#### HighMark Plus Composite (Active)

200	8		-22.88%
200	9		21.47%
201	0		12.42%
201	1		0.55%
201	2		12.25%
201	3		13.06%
201	4		4.84%
201	5		0.14%
201	6		6.45%
201	7		13.19%
201	8		-4.03%
201	9		17.71%

#### Index Plus Composite (Passive)

Index Pl	lus Composite (Passive)	)
2008		-18.14%
2009		16.05%
2010		11.77%
2011		2.29%
2012		10.91%
2013		12.79%
2014		5.72%
2015		-0.52%
2016		7.23%
2017		11.59%
2018		-4.03%
2019		17.52%

#### PORTFOLIO FACTS

#### HighMark Plus (Active)

Composite Inception Date	10/2004
No of Holdings in Portfolio	19

#### Index Plus (Passive)

Composite In	ception Date le 58 of 138 is in Portfolio
No of Holding	is in Portfolio

05/2006 12

#### **HOLDINGS**

#### **HighMark Plus (Active)**

Columbia Contrarian Core I3 Vanguard Growth & Income Adm Dodge & Cox Stock Fund iShares S&P 500 Value ETF

Harbor Capital Appreciation - Retirement

T. Rowe Price Growth Stock - I iShares Russell Mid-Cap ETF

Vanguard Real Estate ETF

Undiscovered Managers Behavioral Value-R6

Victory RS Small Cap Growth - R6

DFA Large Cap International Portfolio

Dodge & Cox International Stock

MFS International Growth - R6

Hartford Schroders Emerging Markets Eq

Vanguard Short-Term Invest-Grade Adm

PIMCO Total Return Fund - Inst

PGIM Total Return Bond - R6

DoubleLine Core Fixed Income - I

First American Government Obligations Z

#### Index Plus (Passive)

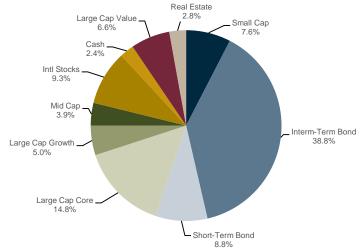
iShares Core S&P 500 ETF iShares S&P 500 Value ETF iShares S&P 500 Growth ETF iShares Russell Mid-Cap ETF Vanguard Real Estate ETF iShares Russell 2000 Value ETF iShares Russell 2000 Growth ETF iShares MSCI EAFE ETF

Vanguard FTSE Emerging Markets ETF Vanguard Short-Term Invest-Grade Adm iShares Core U.S. Aggregate

First American Government Obligations Z

Holdings are subject to change at the discretion of the investment manager.

#### **STYLE**



The performance records shown represent size-weighted composites of tax exempt accounts that meet the following criteria: Accounts are managed by HighMark Capital Advisors (HCA) with full investment authority according to the PARS Moderate active and passive objectives.

active and passive objectives.

The adviser to the PARS portfolios is US Bank, and HighMark serves as sub-adviser to US Bank to manage these portfolios. US Bank may charge clients as much as 0.60% annual management fee based on a sliding scale. US Bank pays HighMark 60% of the annual management fee for assets sub-advised by HighMark under its sub-advisory agreement with US Bank. The 0.36% paid to HighMark, as well as other expenses that may be incurred in the management of the portfolio, will reduce the portfolio's returns. Assuming an investment for five years, a 5% annual total return, and an annual sub-advisory fee rate of 0.36% deducted from the assets at market at the end of each year, a \$10 million initial value would grow to \$12.53 million after fees (Net-of-Fees) and \$12.76 million before fees (Gross-of-Fees). Gross returns are presented before management and custodial fees but after all trading expenses and reflect the reinvestment of dividends and other income. A client's return will be reduced by the advisory fees and other expenses it may incur as a client. Additional information regarding the firm's policies and procedures for calculating and reporting performance results is available upon request. Performance results are calculated and presented in U.S. dollars and do not reflect the deduction of investment advisory fees, custody fees, or taxes but do reflect the deduction of trade-date accounting. but do reflect the deduction of trading expenses. Returns are calculated based on trade-date accounting

but do reflect the deduction of trading expenses. Returns are calculated based on trade-date accounting.

Blended benchmarks represent HighMark's strategic allocations between equity, fixed income, and cash and are rebalanced monthly. Benchmark returns do not reflect the deduction of advisory fees or other expenses of investing but assumes the reinvestment of dividends and other earnings. An investor cannot invest directly in an index. The unmanaged S&P 500 Index is representative of the performance of large companies in the U.S. stock market. The MSCI EAFE Index is a free float-adjusted market capitalization index designed to measure developed market equity performance, excluding the U.S. and Canada. The MSCI Emerging Markets Index is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global emerging markets. The Russell Midcap Index measures the performance of the midcap segment of the U.S. equity universe. The Russell 2000 Index measures the performance of the small-cap segment of the U.S. equity universe. The ICE BofA U.S High Yield Master II Index tracks the performance of the loelow investment grade U.S. dollar-denominated corporate bonds publicly issued in the U.S. domestic market. Wilshire REIT index measures U.S. publicly traded Real Estate Investment Trusts. The unmanaged Bloomberg Barclays U.S. Oggregate Bond Index is generally representative of the U.S. taxable bond market as a whole. The ICE BofA 1-3 Year U.S. Corporate & Government Index tracks the bond performance of the ICE BofA U.S. Corporate & Government Index, with a remaining term to final maturity less than 3 years. The unmanaged FTSE 1-Month Treasury Bill Index tracks the yield of the 1-month U.S. Treasury Bill.

HighMark Capital Management, Inc. (HighMark), an SEC-registered investment adviser, is a wholly owned subsidiary of

HighMark Capital Management, Inc. (HighMark), an SEC-registered investment adviser, is a wholly owned subsidiary of MUFG Union Bank, N.A. (MUB). HighMark manages institutional separate account portfolios for a wide variety of for-profit and nonprofit organizations, public agencies, and public and private retirement plans. MUB, a subsidiary of MUFG Americas Holdings Corporation, provides certain services to HighMark and is compensated for these services. Past performance does not guarantee future results. Individual account management and construction will vary depending on each client's investment needs and objectives. Investments employing HighMark strategies are NOT insured by the FDIC or by any other Federal Government Agency, are NOT Bank deposits, are NOT guaranteed by the Bank or any Bank affiliate, and MAY lose value, including possible loss of principal.

#### **HIGHMARK CAPITAL MANAGEMENT**

350 California Street **Suite 1600** San Francisco, CA 94104 800-582-4734

#### **ABOUT THE ADVISER**

HighMark® Capital Management, Inc. (HighMark) has nearly 100 years (including predecessor organizations) of institutional money management experience with \$8.9 billion in assets under management and \$8.5 billion in assets under advisement\*. HighMark has a long term disciplined approach to money management and currently manages assets for a wide array of

#### ABOUT THE PORTFOLIO MANAGEMENT TEAM Andrew Brown, CFA®

Senior Portfolio Manager Investment Experience: since 1994 HighMark Tenure: since 1997 Education: MBA, University of Southern California; BA, University of Southern California

#### Salvatore "Tory" Milazzo III, CFA® Senior Portfolio Manager

Investment Experience: since 2004 HighMark Tenure: since 2014 Education: BA, Colgate University

#### J. Keith Stribling, CFA®

Senior Portfolio Manager Investment Experience: since 1985 HighMark Tenure: since 1995 Education: BA, Stetson University

#### **Christiane Tsuda**

Senior Portfolio Manager Investment Experience: since 1987 HighMark Tenure: since 2010

Education: BA, International Christian University, Tokyo

#### Anne Wimmer, CFA®

Senior Portfolio Manager Investment Experience: since 1987 HighMark Tenure: since 2007

Education: BA, University of California, Santa Barbara

Randy Yurchak, CFA® Senior Portfolio Manager Investment Experience: since 2002 HighMark Tenure: since 2017 Education: MBA, Arizona State University; BS, University of Washington

#### **Asset Allocation Committee**

Number of Members: 16 Average Years of Experience: 28 Average Tenure (Years): 15

#### **Manager Review Group**

Number of Members: 7 Average Years of Experience: 19 Average Tenure (Years): 7

\*Assets under management ("AUM") include assets for which HighMark provides continuous and regular supervisory and management services. Assets under advisement ("AUA") include assets for which HighMark provides certain investment advisory services (including, but not limited to, investment research and strategies) for client assets of its parent company, MUFG Union Bank, N.A.

### NET PERFORMANCE FEE ANALYSIS

**As of** December 31, 2019

Over 1 Year Over	er 3 Years	Over 5 Years
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PARS/HIGHMAR	K	PARS/HIGHMAR	K	PARS/HIGHMAR	K
Moderate Active Strategy (46% Fixed Income)  minus weighted PARS administration fee  minus weighted HighMark	17.71% (-) 0.25% (-) 0.34%	Moderate Active Strategy (46% Fixed Income)  minus weighted PARS administration fee  minus weighted HighMark	8.54% (-) 0.25% (-) 0.34%	Moderate Active Strategy (46% Fixed Income)  minus weighted PARS administration fee  minus weighted HighMark	6.39% (-) 0.25% (-) 0.34%
investment management fee  1-Year Net Return	17.12%	investment management fee  3-Year Net Return	7.95%	investment management fee  5-Year Net Return	5.80%

CALPERS CERBI		
Strategy 3 (49% Fixed Income)	16.19%	
1-Year Net Return	16.10%	

CALPERS CERBT		
Strategy 3 (49% Fixed Income) minus fees	7.15% (-) 0.10%	
3-Year Net Return	7.06%	

CALPERS CERBT	
Strategy 3 (49% Fixed Income) minus fees	5.08%
5-Year Net Return	4.99%

<sup>\*</sup> Subject to change due to rebalancing; fees are based on assets under \$5 million; past performance does not guarantee future results



Municipal Water District of Orange County WATER USE EFFICIENCY PROJECTS Cash Flow as of 1/31/20

7,346.19 63,350.58 3,492.20 1,088.17 21,663.40 31,702.43 236,400.00 11,640.00 552.00 558.00 222.00 393,617.00 218,254.36 1,864.85 1,980.00 1,720.00 5,908.91 7,735.00 1,110.00 4,349.00 222.00 520.00 6,455.00 2,979.19 20.00 5,382.00 983,711.56 19,500.00 594,546.01 25,979.62 49,393.62 30,204.36 9,580.00 TOTALS (798.843.89) \$ (564,761.37) \$ (605,357.30) \$ (565,231.76) \$ (703,896.86) \$ (726,406.19) \$ (822,747.11) \$ (796,843.89) \$ (796,843.89) \$ (796,843.89) \$ (796,843.89) \$ (796,843.89) \$ (796,843.89) \$ (796,843.89) \$ (796,843.89) \$ (798,843.89) \$ (798,843.89) \$ (798,843.89) (798,843.89) (823,747.11) \$ 444.00 333.00 865.00 14,176.63 210.00 6,500.00 11,640.00 520.00 111.00 3,119.20 25,893.00 1,980.00 356.80 35,028.68 56,025.48 34,804.87 (726,406.19) \$ 222.00 635.00 2,445.07 65.00 124,715.69 33,014.96 6,766.30 333.00 333.00 111.00 20,761.00 4,060.00 20.00 188,702.32 1,445.00 260,054.62 (703,896.86) 222.00 791.30 3,111.37 308.00 198.00 100,463.03 22,124.86 8,664.23 291.00 377.99 9,580.00 2,395.00 1,045.71 46,351.94 1,360.00 150,396.88 (568,531.76) 384.19 21,663.40 220.40 3,495.17 553.73 62,561.25 111.00 166.48 76,200.40 211,565.50 19,500.00 159,467.56 5,218.62 (605,357.98) 207.24 115,504.83 13,476.61 924.00 6,790.00 114.00 455.00 111.00 111.00 324.60 765.00 49,393.62 110,600.00 38,571.48 150,261.08 (564,751.37) 306.45 878.64 25,127.90 101,394.48 5,382.00 150.00 222.00 333.00 1,924.00 273.96 78,311.95 8,985.40 1,031.68 2,125.00 118,918.56 30,204.36 (592,088.66) 1,720.00 2,413.74 850.00 111.00 515.00 2,614.00 6,632.11 17,249.94 36,055.78 537.90 63,826.73 6,476.15 36,489.44 25,029.55 Recycled Water On Site Retrofit program Laguna Beach County Water District Budget Based Tiered Rates, Raftelis Department of Water Resources East Orange County Water District Water Savings Incentive Program Total Expenditures Trabuco Canyon Water District City of San Juan Capistrano City of Santa Ana City of Tusin City of Newport Beach City of Orange City of Westminster Moulton Niguel Water District Orange County Water District Santa Margarita Water District Golden State Water Company Water Systems Optimization Irvine Ranch Water District Metropolitan Water District Metropolitan Water District South Coast Water District Yorba Linda Water District City of Huntington Beach City of Huntington Beach Miscellaneous Revenues Multi Family HET Direct Miscellaneous Expenses Cash - Beginning Balance City of Fountain Valley Spray to Drip program El Toro Water District City of Garden Grove City of San Clemente Laguna Beach CWD Mesa Water District Cash - Ending Balance TerraWorks Studio City of Buena Park County of Orange Interest Revenue GardenSoft Corp Interest Expense City of La Habra EXPENDITURES: Large Plumbing Salary & Benefit City of Fullerton Mission RCD City of Brea Plant Nerd BUREC Droplet IRWD

# MUNICIPAL WATER DISTRICT OF ORANGE COUNTY COMBINED FINANCIAL STATEMENTS

AND

**BUDGET COMPARATIVE** 

JULY 1, 2019 THRU DECEMBER 31, 2019

#### Municipal Water District of Orange County Combined Balance Sheet As of December 31, 2019

ASSETS  Cash in Bank Investments Accounts Receivable Accounts Receivable - Other Accrued Interest Receivable Prepaids/Deposits Leasehold Improvements Furniture, Fixtures & Equipment Less: Accum Depreciation	Amount 262,703.38 17,067,812.01 38,063,578.82 71,355.63 148,049.76 360,191.76 3,833,004.08 573,533.87 (3,138,954.12)
TOTAL ASSETS	\$57,241,275.19
LIABILITIES AND FUND BALANCES  Liabilities  Accounts Payable  Accounts Payable - Other  Accrued Salaries and Benefits Payable  Other Liabilities  Unearned Revenue  Total Liabilities	36,282,760.93 1,089.65 473,903.95 2,109,967.01 802,012.18 39,669,733.72
Fund Balances Restricted Fund Balances Water Fund - T2C Total Restricted Fund Balances	1,017,847.92 1,017,847.92
Designated Reserves General Operations Grant & Project Cash Flow Election Expense Building Repair OPEB Total Designated Reserves	3,830,240.00 1,500,000.00 696,000.00 444,186.00 297,147.00 6,767,573.00
General Fund General Fund Capital WEROC Capital WEROC Total Unrestricted Fund Balances	3,453,610.06 682,542.68 140,436.58 225,385.05 11,269,547.37
Excess Revenue over Expenditures Operating Fund Other Funds Total Fund Balance TOTAL LIABILITIES AND FUND BALANCES	5,147,552.17 136,594.01 17,571,541.47 57,241,275.19

#### Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report General Fund From July thru December 2019

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
REVENUES						
Retail Connection Charge	0.00	7,888,929.60	7,888,930.00	100.00%	0.00	0.40
Ground Water Customer Charge	0.00	598,248.00	598,248.00	100.00%	0.00	0.00
Water rate revenues	0.00	8,487,177.60	8,487,178.00	100.00%	0.00	0.40
Interest Revenue	47,925.28	282,511.23	580,000.00	48.71%	0.00	297,488.77
Subtotal	47,925.28	8,769,688.83	9,067,178.00	96.72%	0.00	297,489.17
Choice Programs	0.00	1,195,073.28	1,472,622.00	81.15%	0.00	277,548.72
Miscellaneous Income	1,150.59	13,933.37	3,000.00	464.45%	0.00	(10,933.37)
Revenue Other	0.00	1,698.97	0.00	0.00%	0.00	(1,698.97)
School Contracts	15,034.22	27,652.39	118,213.00	23.39%	0.00	90,560.61
Delinquent Payment Penalty	0.00	225.32	0.00	0.00%	0.00	(225.32)
Transfer-In From Reserve	0.00	0.00	(42,870.00)	0.00%	0.00	(42,870.00)
Subtotal	16,184.81	1,238,583.33	1,550,965.00	79.86%	0.00	312,381.67
TOTAL REVENUES	64,110.09	10,008,272.16	10,618,143.00	94.26%	0.00	609,870.84

#### Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report General Fund

#### From July thru December 2019

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	Budget Remaining
EXPENSES						
Salaries & Wages	322,243.54	1,903,366.15	4,052,038.00	46.97%	0.00	2,148,671.85
Salaries & Wages - Grant Recovery	0.00	0.00	(5,500.00)	0.00%	0.00	(5,500.00)
Salaries & Wages - Recovery	(1,213.80)	(7,078.68)	0.00	0.00%	0.00	7,078.68
Director's Compensation	19,645.92	114,133.44	268,132.00	42.57%	0.00	153,998.56
MWD Representation	9,667.04	62,679.84	153,218.00	40.91%	0.00	90,538.16
Employee Benefits	96,689.86	566,536.72	1,261,651.00	44.90%	0.00	695,114.28
CalPers Unfunded Liability Contribution	0.00	207,000.00	207,000.00	100.00%	0.00	0.00
Employee Benefits - Recovery	(231.20)	(1,348.32)	0.00	0.00%	0.00	1,348.32
Director's Benefits	11,547.57	65,624.67	93,947.00	69.85%	0.00	28,322.33
Health Insurance for Retirees	6,391.74	30,119.94	70,287.00	42.85%	0.00	40,167.06
Training Expense	1,972.65	17,149.07	32,000.00	53.59%	17,121.95	(2,271.02)
Tuition Reimbursement	0.00	2,552.62	5,000.00	51.05%	0.00	2,447.38
Temporary Help Expense	(140.68)	9,903.98	5,000.00	198.08%	4,145.82	(9,049.80)
Personnel Expenses	466,572.64	2,970,639.43	6,142,773.00	48.36%	21,267.77	3,150,865.80
Engineering Expense	43,626.15	158,352.50	435,000.00	36.40%	172,020.01	104,627.49
Legal Expense	17,734.35	141,009.60	200,000.00	70.50%	107,490.40	(48,500.00)
Audit Expense	0.00	19,767.00	29,240.00	67.60%	0.00	9,473.00
Professional Services	69,342.11	429,537.22	1,487,330.00	28.88%	631,530.18	426,262.60
Professional Fees	130,702.61	748,666.32	2,151,570.00	34.80%	911,040.59	491,863.09
Conference-Staff	645.00	15,306.00	40,535.00	37.76%	0.00	25,229.00
Conference-Directors	(15.00)	5,941.00	28,440.00	20.89%	0.00	22,499.00
Travel & AccomStaff	11,294.35	32,518.31	89,131.00	36.48%	0.00	56,612.69
Travel & AccomDirectors	5,520.49	16,051.32	46,625.00	34.43%	0.00	30,573.68
Travel & Conference	17,444.84	69,816.63	204,731.00	34.10%	0.00	134,914.37
Membership/Sponsorship	958.00	119,906.33	114,966.00	104.30%	0.00	(4,940.33)
CDR Support	0.00	25,077.90	50,156.00	50.00%	25,077.90	0.20
Dues & Memberships	958.00	144,984.23	165,122.00	87.80%	25,077.90	(4,940.13)
Pusiness Evnense	11/1 20	1 150 72	F 200 00	22 200/	0.00	4.041.39
Business Expense Maintenance Office	114.38	1,158.72	5,200.00 138,527.00	22.28%	0.00	4,041.28
Building Repair & Maintenance	9,671.85 1,048.76	49,441.42 5,345.63	20,000.00	35.69% 26.73%	85,428.54 4,654.37	3,657.04 10,000.00
Storage Rental & Equipment Lease	1,631.06	2,907.11	3,616.00	80.40%	0.00	708.89
Office Supplies	3,245.31	16,983.64	36,000.00	47.18%	1,889.61	17,126.75
Supplies - Water Loss Control	413.00	4,515.11	2,033.00	222.09%	0.00	(2,482.11)
Postage/Mail Delivery	640.82	3,265.81	9,400.00	34.74%	1,468.15	4,666.04
Subscriptions & Books	0.00	380.60	1,500.00	25.37%	0.00	1,119.40
Reproduction Expense	(7.50)	26,426.41	61,000.00	43.32%	1,523.37	33,050.22
Maintenance-Computers	685.03	2,155.64	8,000.00	26.95%	1,948.40	3,895.96
Software Purchase	2,733.15	17,297.61	34,500.00	50.14%	0.00	17,202.39
Software Support	2,505.44	26,719.99	59,134.00	45.19%	1,200.00	31,214.01
Computers and Equipment	3,049.26	22,978.40	49,450.00	46.47%	0.00	26,471.60
Automotive Expense	1,927.73	11,134.17	19,300.00	57.69%	0.00	8,165.83
Vehicle Expense	424.28	1,367.65	13,160.00	10.39%	0.00	11,792.35
Toll Road Charges	151.39	669.51	2,400.00	27.90%	0.00	1,730.49
Insurance Expense	10,697.10	62,761.07	140,000.00	44.83%	0.00	77,238.93
Utilities - Telephone	2,036.49	12,001.81	25,773.00	46.57%	686.82	13,084.37
Bank Fees	0.00	88.33	1,200.00	7.36%	0.00	1,111.67
Miscellaneous Expense	16,616.19	47,445.52	108,100.00	43.89%	240.34	60,414.14
MWDOC's Contrb. to WEROC	19,081.50	114,489.00	273,367.00	41.88%	0.00	158,878.00
Depreciation Expense	3,482.29	20,893.77	0.00	0.00%	0.00	(20,893.77)
Other Expenses	80,147.53	450,426.92	1,011,660.00	44.52%	99,039.60	462,193.48
Building Expense	82,944.04	391,293.21	835,831.00	46.81%	130,695.50	313,842.29
Capital Acquisition	2,000.00	84,893.25	106,456.00	79.74%	0.00	21,562.75
TOTAL EXPENSES	780,769.66	4,860,719.99	10,618,143.00	45.78%	1,187,121.36	4,570,301.65
NET INCOME (LOSS)	(716,659.57)	5,147,552.17	0.00			

# Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report Water Fund From July thru December 2019

	Month to Date	Year to Date	Annual Budget	% Used	Budget Remaining
WATER REVENUES					
Water Sales	24,587,618.70	85,904,990.70	232,376,274.00	36.97%	146,471,283.30
Readiness to Serve Charge	838,872.80	5,033,236.80	10,071,282.00	49.98%	5,038,045.20
Capacity Charge CCF	299,996.67	1,799,980.02	3,615,440.00	49.79%	1,815,459.98
SCP/SAC Pipeline Surcharge	23,769.25	183,048.62	350,000.00	52.30%	166,951.38
Interest	1,962.36	11,468.36	20,000.00	57.34%	8,531.64
TOTAL WATER REVENUES	25,752,219.78	92,932,724.50	246,432,996.00	37.71%	153,500,271.50
WATER PURCHASES					
Water Sales	24,587,618.70	85,904,990.70	232,376,274.00	36.97%	146,471,283.30
Readiness to Serve Charge	838,872.80	5,033,236.80	10,071,282.00	49.98%	5,038,045.20
Capacity Charge CCF	299,996.67	1,799,980.02	3,615,440.00	49.79%	1,815,459.98
SCP/SAC Pipeline Surcharge	23,769.25	183,048.62	350,000.00	52.30%	166,951.38
TOTAL WATER PURCHASES	25,750,257.42	92,921,256.14	246,412,996.00	37.71%	153,491,739.86
EXCESS OF REVENUE OVER EXPENDITURES	1,962.36	11,468.36	20,000.00		

#### Municipal Water District of Orange County WUE Revenues and Expenditures (Actuals vs Budget) From July thru December 2019

	Year to Date Actual	Annual Budget	% Used
Spray To Drip Conversion			
Revenues	3,066.39	110,562.00	2.77%
Expenses	4,025.44	110,562.00	3.64%
Excess of Revenues over Expenditures	(959.05)	0.00	
Member Agency Administered Passthru			
Revenues	255,900.00	616,000.00	41.54%
Expenses	229,900.00	616,000.00	37.32%
Excess of Revenues over Expenditures	26,000.00	0.00	
ULFT Rebate Program			
Revenues	4,078.01	27,500.00	14.83%
Expenses	4,013.51	27,500.00	14.59%
Excess of Revenues over Expenditures	64.50	0.00	
HECW Rebate Program			
Revenues	45,936.57	300,000.00	15.31%
Expenses	45,744.98	300,000.00	15.25%
Excess of Revenues over Expenditures	191.59	0.00	
CII Rebate Program			
Revenues	0.00	305,000.00	0.00%
Expenses	(270.00)	305,000.00	-0.09%
Excess of Revenues over Expenditures	270.00	0.00	
Turf Removal Program			
Revenues	571,653.78	835,776.00	68.40%
Expenses	579,934.31	835,776.00	69.39%
Excess of Revenues over Expenditures	(8,280.53)	0.00	
Comprehensive Landscape (CLWUE)			
Revenues	20,944.72	110,558.00	18.94%
Expenses	41,598.39	116,450.00	35.72%
Excess of Revenues over Expenditures	(20,653.67)	(5,892.00)	
Recycled Water Program	0.00	40.750.00	0.000/
Revenues	0.00	19,750.00	0.00%
Expenses Excess of Revenues over Expenditures	0.00	19,750.00	0.00%
excess of Revenues over experiurtures	0.00	0.00	
WSIP - Industrial Program			
Revenues	0.00	45,000.00	0.00%
Expenses Excess of Revenues over Expenditures	0.00	45,000.00	0.00%
WUE Projects Revenues	901,579.47	2,370,146.00	38.04%
Expenses	904,946.63	2,376,038.00	38.04%
Excess of Revenues over Expenditures	(3,367.16)	(5,892.00)	30.0370
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(4)	(%)	
WEROC	242 467 00	652 564 00	E2 C20/
Revenues Expenses	343,467.00 171,977.28	652,564.00 624,478.00	52.63% 27.54%
Excess of Revenues over Expenditures	171,489.72	28,086.00	47.34%
Execution of the reliable of the Experiority	1, 1,703., 2	20,000.00	



#### **Memorandum**

DATE: February 12, 2020

**TO**: Administrative & Finance Committee

(Directors Thomas, Finnegan, Dick)

FROM: Robert Hunter

**SUBJECT**: Quarter ending December 2019 Fiscal YTD Financials Actual versus Budget

#### The following reports are attached:

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

#### MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

#### Revenues and Expenditures Actual versus Budget Summary Report Fiscal Year to Date ending December 2019 (Unaudited) ( \$000 Omitted )

#### General Fund and Reserve Fund

#### **GENERAL FUND**

	YTD Actual	Annual <u>Budget</u>	% Used
<u>REVENUES</u>			
Water Rate revenues:			
Retail Connection Charge	7,889	7,889	100.00%
Ground Water Customer Charge	598	598	100.00%
Subtotal	8,487	8,487	100.00%
Other Revenues:			
Interest income	282	580	48.62%
Choice Programs <sup>(1)</sup>	1,195	1,473	81.15%
School Contracts <sup>(2)</sup>	28	118	23.39%
Other income <sup>(3)</sup>	16	3	528.59%
Transfer in from Reserve <sup>(4)</sup>	0	(43)	0.00%
Subtotal	1,521	2,131	71.36%
TOTAL REVENUES	10,008	10,618	94.25%
<u>EXPENSES</u>			
Personnel Expenses (incl. Dir.)	2,970	6,143	48.35%
Professional services <sup>(5)</sup>	449	1,517	29.63%
Outside engineering (6)	158	435	36.40%
Legal expense <sup>(7)</sup>	141	200	70.51%
Travel & Conference <sup>(8)</sup>	70	205	34.10%
Dues and memberships <sup>(9)</sup>	145	165	87.80%
General & Admin expense	450	1,012	44.52%
Building repair & expense	391	836	46.81%
Capital acquisition (not including building repairs) <sup>(10)</sup>	85	106	79.74%
TOTAL EXPENSES	4,860	10,618	45.77%
EXCESS OF REVENUES OVER EXPENSES	5,148		
RESERVE FUND			
Beginning Balance	6,132		
Nov 2019 - excess from FY2018-19 General Fund			
TOTAL RESERVE FUND	6,767		

- (1) Choice Programs are paid in the beginning of the fiscal year
- (2) School Contracts begin in September
- (3) Other Income Refund of unspent technical assistance research from Doheny (8 years ago) and a delinquent water payment
- (4) Transfer in from Reserves is moved at year-end
- (5) Professional Services Projects in process
- (6) Outside Engineering Projects in process
- (7) Legal expense includes unanticipated events
- (8) Travel & Conference scheduled throughout the fiscal year
- (9) Dues and memberships are generally paid early in the fiscal year
- (10) Capital acquisition projects are underway

# Municipal Water District of Orange County Revenues and Expenditures Actual vs Budget Line Item Report Fiscal Year to Date ending December 2019 (Unaudited) General Fund

	YTD ACTUAL	ANNUAL BUDGET	% Used
REVENUES			
Retail Connection Charge Ground Water Customer Charge	7,888,930 598,248	7,888,930 598,248	100.00% 100.00%
Water Rate Revenues	8,487,178	8,487,178	100.00%
Choice Programs Interest Revenue Miscellaneous Income School Contracts Transfer in from Reserve	1,195,073 282,511 15,858 27,652 0	1,472,622 580,000 3,000 118,213 (42,870)	81.15% 48.71% 528.59% 23.39% 0.00%
Other Revenues	1,521,094	2,130,965	71.38%
TOTAL REVENUES	10,008,272	10,618,143	94.26%

OPERATING EXPENSES			
Salaries & Wages	1,903,366	4,052,038	46.97%
less Recovery's	(7,079)	(5,500)	128.71%
Directors' Compensation	114,133	268,132	42.57%
MWD Representation	62,680	153,218	40.91%
Employee Benefits	566,537	1,261,651	44.90%
less Recovery's	(1,348)	0	0.00%
CALPERS Unfunded Liability Contribution	207,000	207,000	100.00%
Directors Benefits	65,625	93,947	69.85%
Health Insurances for Retirees	30,120	70,287	42.85%
Training Expense	17,149	32,000	53.59%
Tuition Reimbursement	2,552	5,000	51.04%
Temporary Help Expense	9,904	5,000	198.08%
Personnel Expenses	2,970,639	6,142,773	48.36%
Engineering Expense	158,352	435,000	36.40%
Legal Expense	141,010	200,000	70.51%
Audit Expense	19,767	29,240	67.60%
Professional Services	429,537	1,487,330	28.88%
Professional Fees	748,666	2,151,570	34.80%
Conference-Staff	15,306	40,535	37.76%
Conference-Directors	5,941	28,440	20.89%
Travel & AccomStaff	32,518	89,131	36.48%
Travel & AccomDirectors	16,052	46,625	34.43%
Travel & Conference	69,817	204,731	34.10%
Membership/Sponsorship	119,906	114,966	104.30%
CDR Support	25,078	50,156	50.00%
Dues & Memberships	144,984	165,122	87.80%

#### Municipal Water District of Orange County Revenues and Expenditures Actual vs Budget Line Item Report Fiscal Year to Date ending December 2019 (Unaudited) General Fund

	YTD ACTUAL	ANNUAL BUDGET	% Used
Business Expense	1,159	5,200	22.29%
Maintenance Office	49,441	138,527	35.69%
Building Repair & Maintenance	5,346	20,000	26.73%
Storage Rental & Equipment Lease	2,907	3,616	80.39%
Office Supplies	16,984	36,000	47.18%
Supplies - Water Loss Control	4,515	2,033	222.09%
Postage/Mail Delivery	3,266	9,400	34.74%
Subscriptions & Books	381	1,500	25.40%
Reproduction Expense	26,426	61,000	43.32%
Maintenance-Computers	2,156	8,000	26.95%
Software Purchase	17,298	34,500	50.14%
Software Support	26,720	59,134	45.19%
Computers and Equipment	22,978	49,450	46.47%
Automotive Expense	11,134	19,300	57.69%
Vehicle Expense	1,368	13,160	10.40%
Toll Road Charges	669	2,400	27.88%
Insurance Expense	62,761	140,000	44.83%
Utilities - Telephone	12,002	25,773	46.57%
Bank Fees	88	1,200	7.33%
Miscellaneous Expense	47,446	108,100	43.89%
MWDOC's Contribution to WEROC	114,489	273,367	41.88%
Depreciation Expense	20,894	0	0.00%
MWDOC Building Expense	391,293	835,831	46.81%
Capital Acquisition	84,893	106,456	79.74%
Other Expenses	926,614	1,953,947	47.42%
TOTAL EXPENSES	4,860,720	10,618,143	45.78%
EXCESS OF REVENUES OVER EXPENSES	5,147,552	0	

# MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Statement of Revenues and Expenditures Fiscal Year to Date ending December 2019 (Unaudited) Water Funds

	YTD Actual	Annual Budget	Balance
Water Revenues			
Water Sales Readiness to Serve Charge Capacity Charge CCF SCP/SAC Pipeline Surcharge Interest Total Water Revenues	85,904,991 5,033,237 1,799,980 183,049 11,468 92,932,725	232,376,274 10,071,282 3,615,440 350,000 20,000 246,432,996	(146,471,283) (5,038,045) (1,815,460) (166,951) (8,532) (153,500,271)
Total Water Nevenues	92,932,123	240,432,990	(193,300,271)
Water Purchases			
Water Sales Ready to Serve Charge Capacity Charge SCP/SAC Pipeline Surcharge	85,904,991 5,033,237 1,799,980 183,049	232,376,274 10,071,282 3,615,440 350,000	(146,471,283) (5,038,045) (1,815,460) (166,951)
Total Water Purchases	92,921,257	246,412,996	(153,491,739)
EXCESS OF REVENUES OVER EXPENDITURES	11,468	20,000	(8,532)

# MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

# Revenues and Expenditures Actual versus Budget Fiscal Year to Date ending December 2019 (Unaudited) Other Funds

_	YTD Actual	Annual Budget	Balance
WEROC			
Revenues	343,467	652,564	(309,097)
Expenditures	171,977	624,478	(452,501)
Excess of Revenues over Expenditures	171,490	28,086	143,404
WUE Projects (details on next page)			
Revenues	901,579	2,370,146	(1,468,567)
Expenditures	904,947	2,376,038	(1,471,091)
Excess of Revenues over Expenditures	(3,367)	(5,892)	2,525

# Footnote:

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

# MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Revenues and Expenditures Actual versus Budget Fiscal Year to Date ending December 2019 (Unaudited) Water Use Efficiency Projects

	<u>Actual</u>	Variance %	Fiscal Year <u>Budget</u>	<u>% of</u> Budget	Projected Final <u>FY Budget</u>
Spray to Drip Conversion					
Revenues	3,066		110,562	2.77%	110,562
Expenditures	4,025		110,562	3.64%	110,562
Excess of Revenues over Expenditures	(959)	) -31%		•	
Actual Variance: Payment to Program Participants ahead of G	Grant, Metropolitan	(on water bill), and	d Retail Water Agencie	es reimburseme	ents.
<u>Budget Variance:</u> To be on target the % of Budget should be on numbers. All reporting is current. Have requested marketing to			plementation year left	, there is time t	o increase the
Member Agency Administered Pass thru					
Revenues	255,900		616,000	41.54%	616,000
Expenditures	229,900		616,000	37.32%	616,000
Excess of Revenues over Expenditures	26,000	10%		•	
Actual Variance: Posted revenues out ahead of expenditures.  Budget Variance: Slightly behind target set for this time of year		from reporting to M	1etropolitan on progra	m activity. All re	eporting current.
ULFT Rebate Program					
Revenues	4,078		27,500	14.83%	27,500
Expenditures	4,014	_	27,500	14.59%	27,500
Excess of Revenues over Expenditures	65	2%			
Actual Variance: This tracks MWDOC member agencies active	ities to provide sup	oplemental funding	to increase activity in	their service to	erritories.
Budget Variance: Actual Budget is at 14.83%, still time to achi	eve 100% by year	's end.			
HECW Rebate Program					
Revenues	45,937		300,000	15.31%	300,000
Expenditures	45,745		300,000	15.25%	300,000
Excess of Revenues over Expenditures	192	0%		•	
Actual Variance: This tracks MWDOC member agencies activ	ities to provide sup	oplemental funding	to increase activity in	their service to	erritories.
Budget Variance: Actual Budget is at 15.31%, still time to achi	eve 100% by year	's end.			
CII Rebate Program					
Revenues	_		305,000	0.00%	305,000
Expenditures	(270	)	305,000	-0.09%	305,000
Excess of Revenues over Expenditures	270	0%		•	_
Actual Variance: Expenses were transferred to correct program	m				
Budget Variance: This tracks MWDOC member agencies active	vities to provide su	pplemental funding	g to increase CII activ	ity in their servi	ce territories.

Currently a handful of agencies who indicated they would provide funding have yet to start. Several agencies have indicated after the start of the fiscal year

## Notes:

- [1] Variance from Revenues to Expenses. When greater than 5%, an explanation is provided.
- [2] Fiscal year budget versus Actual

they no longer would provide supplemental funding.

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

# MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

# Revenues and Expenditures Actual versus Budget Fiscal Year to Date ending December 2019 (Unaudited) Water Use Efficiency Projects

	Actual	Variance %	Fiscal Year <u>Budget</u>	<u>% of</u> Budget	Projected Final FY Budget
Turf Removal Program			_	_	_
Revenues	571,654		835,776	68.40%	835,776
Expenditures	579,934		835,776	69.39%	835,776
Excess of Revenues over Expenditures	(8,281)	-1%		•	
Actual Variance: On target. All reporting current.					
Budget Variance: Ahead of schedule. At the halfway point in	n the budget year we	should be at 50%.			
Comprehensive Landscape (CLWUE)					
Revenues	20,945		110,558	18.94%	110,558
Expenditures	41,598		116,450	35.72%	116,450
Excess of Revenues over Expenditures	(20,654)	-99%	(5,892)		
Actual Variance: Grant funded program. Granting agencies	s are slow to provide t	heir fundina. All re	eporting is current.		
Budget Variance: Actual Budget is at 35.72%, still time to a	•	_			
Recycled Water Program					
Revenues	_		19,750	0.00%	19,750
Expenditures	-		19,750	0.00%	19,750
Excess of Revenues over Expenditures	-	0%		•	
Actual Variance: Funding activity for this program comes from	om a USBR grant agr	eement. Aareeme	nt term began Oct 1. 2	2019. Grant fur	nds to be expended
throughout the remaining fiscal year.	om a oobii gram agr	, , , , , , , , , , , , , , , , , , ,	to 20ga 00t 1, 1	20 10. O. a.i.c. iai	iao to bo oxponiada
Budget Variance: See Actual Variance explanation					
					_
WSIP - Industrial Program					
Revenues	-		45,000	0.00%	45,000
Expenditures	-		45,000	0.00%	45,000
Excess of Revenues over Expenditures	-	0%			
Actual Variance: Funding for the program comes from 3 gra activity on these projects prior to the end of the fiscal year.	ants sources that we c	urrently have or w	vill come on line within	the coming mo	onths. Should see
Budget Variance: Several projects in the queue to finish this	s year.				

# Notes:

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

<sup>[2]</sup> Fiscal year budget versus Actual

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



# **CONSENT CALENDAR ITEM**

February 19, 2020

**TO:** Board of Directors

FROM: Administration & Finance Committee

(Directors Thomas, Finnegan, Dick)

Robert J. Hunter General Manager

SUBJECT: CONSIDER AUTHORIZING ATTENDANCE AT ASCE'S WORLD

**ENVIRONMENTAL & WATER RESOURCES CONGRESS, MAY 17-21,** 

2020, HENDERSON, NV

# RECOMMENDATION

It is recommended that the Board of Directors: Consider authorizing attendance at the ASCE's World Environmental & Water Resources Congress, May 17-21, 2020 in Henderson, NV.

# **COMMITTEE RECOMMENDATION**

Committee concurred with staff recommendation and suggested that staff (as authorized by the General Manager) be included in the authorization.

# **SUMMARY**

Per the website, the 20<sup>th</sup> World Environmental & Water Resources Congress will feature 13 concurrent technical tracks over four full days of programming with approximately 1,200 leading engineers and scientists from around the world attending the Congress to discuss the latest research, case studies, and evolving "best practices" in water resources and the environment. As a part of the full EWRI Congress registration, attendees will be granted access to the Watershed Management Conference, which is co-located with the EWRI Congress, will be held May 20–21.

The conference will be held in Henderson, Nevada on May 17-21, 2020 and Director McVicker has expressed interest in attending. Anticipated costs are approximately \$2095, broken down as follows:

Registration: \$720 Hotel: \$800 Transportation: \$575

Budgeted (Y/N): No	Budgeted amount:		Core <u>X</u>	Choice
Action item amount: \$2095		Line item:		
Fiscal Impact (explain if unbudgeted): Approximately \$2095 expense				

# **WORLD ENVIRONMENTAL & WATER RESOURCES CONGRESS**

Registration Form | May 17-21, 2020 | Henderson, NV

Please complete the registration form including signature and payment information. Use one registration form per person. Registrations will not be processed without full payment and registrant's full name. By submitting the registration form the

Registrations will not be processed wit individual agrees to all registration po Contact Information (*indicates requi	licies on ASCE	s conference w	haita		the registration form the April 17, 2020 as	nd save!	Phone: Phone:	1 (800) 548-27 (703) 295-6300		
* First Name		MI	*Las	t Name				66) 902-5593 registrations@a	asce.org	
Credentials		*Ba	dge Nicknan	ne			Mail: A	SCE-EWRI COI	NGRESS 2020	
* Company/Organization/University_								re, MD 21279-0	0668 USA	
* Street Address/PO Box							ASCE 11	ses the information	on vou provide to	administer your
* City		*Sta	ite	*Postal Code	*Country		registrat	ion and to keep y	ou apprised of co	onference
*Work Phone					•				oroducts and serv nation, and mailin	
* Email Address							registraı	nts are also includ	led in the confere	ence attendee list
ASCE Member Number									ors and included on, see our Priva	in the conference
							11	vww.asce.org/pri		cy roncy at
The organization I am affiliated wi     A commercial or industrial firm     A Municipal government agence     My position is: □Partner/Principal     □ Technical/Professional Staff □I     How many previous ASCE Conference     My age group: □Under 25 □ 25-3	n,	ational institution, Instituti	n, A Fede overnment of Manager ing this one?	ral government rganization,	gency, Cho N/A Ch Ch Ch Ch Ch Ch	veck below if you r Vegetarian \( \subseteq V eck item below if Peanuts \( \subseteq Tree r eck item below if Deaf or Hearing I	egan □G you have a uts□Seaf you requir	llergies to the follo ood  Other e special aids or se	owing: 	
Full Registration	Adv By April	ance 17 2020		n-Site ril 17, 2020		Other		_		
Registration Category	Member	Non-Member	Member	Non-Member	Speaker Daily Regist	tration: Mono	lav □Tue	sdav 🗆 Wedne	sday 🗆 Thursda	ıv
ASCE-EWRI Member / Non-Member	□\$720	\$820	□\$820	□ \$920					]	-,
Speaker (deadline to register is 1/13/20)	\$620	\$620	N/A	N/A	Speaker or Moderator Me Speaker or Moderator No			\$345 \$345		to register is 1/13/20) to register is 1/13/20
Younger Member Moderator	□ \$645 □ \$620	□\$620	□ \$745 □ \$620	\$620	Speaker of Moderator 140	iii-iviciiibei	,	9343	] Speaker (deadinie	
Student	□\$300		\$300		Daily Registration:	☐Monday ☐ T				
Spouse/Partner Guest	<b>□</b> \$450	□ \$450	□\$550	\$550	ASCE-EWRI Member, Yo	ounger Member		oril 17, 2020 8345	After 17, 2 \$395	2020
(must be residing in same household) Life Member	\$420	_,,,,,	\$520		or Life Member	ounger Member	•	0040	\$393	
	<b>—</b> 4120		<b>—</b> 4520		Non-Member			\$375	\$425	
EWRI Congress Reception  Monday, May 18, 2020  Welcome Plenary Session & Awards Luncheo  Tuesday, May 19, 2020 (please select  Hydraulics & Waterways Council/WDSA  Luncheon & Awards Lecture	Yes  n Yes  one)  OR Yes	s, please No	o, thanks (	Quantity	\$60.00 Grand Canyon W 8:00 AM - 4:00 Pl \$60.00 Tuesday, May Watershed Confe Opening Receptic 6:00 PM - 7:30 PM	est Rim Tour M  19, 2020 rence on		Quantity	Prior to 4/17/20  \$190.00  Prior to 4/17/20  \$30.00	After 4/17/20 \$200.00 After 4/17/20 \$40.00
Irrigation & Drainage Council Luncheon & Awards Lecture	Yes	s, please No	, thanks (	Quantity	\$60.00 Thursday, Mar				Prior to 4/19/19	
Wednesday, May 20, 2020 (please se	lect one)				2:00 PM - 9:00 P			Quantity	\$60.00	\$75.00
Environmental / Wastewater, Stormwater Council & Munincipal Water Infrastructure Councils		s, please No		Quantity	Treatment Facilit		er	Quantity	\$110.00	\$125.00
Watershed Council Luncheon	Yes	s, please No	, thanks	Quantity	\$60.00 8:00 AM - 1:00 P				D-14-4/10/10	After 4/19/19
Thursday, May 21, 2020 (please selec	ct one)				Friday, May 2	2, 2020 ad Mead and the Mi	l-a		Prior to 4/19/19	Alter 4/19/19
Planning and Management Council Luncheon & Awards Lecture	OR Yes	s, please No	, thanks (	Quantity		Tillman Bridge Tou		Quantity	\$120.00	\$135.00
Watershed Management Conference Lunched	on Yes	s, please No	, thanks	Quantity	\$60.00					
Purchase Order (P.O.) or Check ASCE EWRI CONGRESS 2020 I Please complete the registration P.O. # Check Payable to: ASCE dollars, and drawn on a U.S. bar  Payment Full Registration Daily Registration \$	PO Box 7966 form includi(Pro EWRI CON ik. Include at  * Uso * Reg	8, Baltimore, ing signature a vide copy of PiGRESS 2020. Itendee's name	nd paymen  O. form wi  Check mus  in the mer  ion form pe  not be pro-	t information. ith registration t be issued in a mo area of the er person. cessed withou	form)  J.S. check.  Exp. (xx)  Card He	Card. To pay re  AMEX  VISA  umber  s/yy)  older Name	O MC DIS	C DIN	ERS	_
Additional Tickets \$  Technical Tours \$  GRAND TOTAL \$	=	ase print or ty	-		Full pay granted	be charged \$	company ons receiv	this registration	on form. No re 17, 2020. A \$1	

**EWRI** 

ENVIRONMENTAL & WATER RESOURCES INSTITUTE







# **Watershed Management Conference**

Henderson, Nevada | May 20-21, 2020

# Program

\* See the Congress Conference Schedule-at-a-Glance

# Schedule-at-a-Glance

(subject to change)

# Tuesday, May 19

3:00 pm - 6:00 pm

Registration

6:00 pm - 7:30 pm

Watershed Welcome Reception

# Wednesday, May 20

6:00 am - 7:00

Morning Jumpstart

am

Registration (Closed for lunch from 12:30 – 1:45 pm)

8:00 am – 4:15 pm	
8:30 am – 10:00 am	Opening Plenary Session: "TMDL Analysis and Modeling: State-of-the-Art and State-of-the Practice"
10:00 am – 10:30 am	Networking Break
10:30 am – 12:00 pm	Concurrent Technical Sessions
12:15 pm – 1:45 pm	Watershed Council Luncheon (ticketed event)
2:00 pm - 3:30 pm	Concurrent Technical Sessions II
3:30 pm – 4:00 pm	Networking Break
4:00 pm – 5:30 pm	Concurrent Technical Sessions III
6:00 pm – 10:00 pm	Committee Meetings
6:00 pm – 10:00 pm	Off-Site Meet-Up

# Thursday, May 21

8:15 am – 12:15 pm	Registration
8:30 am – 10:00 am	Concurrent Technical Session IV
10:00 am – 10:30 am	Networking Break
10:30 am – 12:00 pm	Concurrent Technical Session V
12:15 pm – 1:45 pm	

	Watershed Management Conference Luncheon: Claudia C. Hoeft, P.E., F.ASCE and Dr. Richard "Pete" Hawkins, P.E., F.ASCE (ticketed event)
2:00 pm - 3:30 pm	Concurrent Technical Sessions VI
3:30 pm – 4:00 pm	Networking Break
4:00 pm – 5:30 pm	Concurrent Technical Sessions VII

# Friday, May 22

8:30 am – 4:00 pm Technical Tours

This year's <u>EWRI Congress</u> and the Watershed Management Conference will be a combined event held at the same location. When you register for Congress you will also receive access to the Watershed Management sessions and events.







FOR SPEAKERS

SPONSORS





PROGRAM 🗸

LOCATION V

ABOUT

CONTACT

WHY ATTEND

REGISTRATION

# Hotel & Travel

# Hotel

Green Valley Ranch Resort, Spa and Casino

2300 Paseo Verde Parkway, Henderson, NV 89052 (866) 782-9487

**Group Rates:** 

Run of the House: \$180\*

King: \$190\*

Queen/Queen: \$200\*

Use code: GCIEWRI

RESERVE YOUR ROOM NOW

Government: At prevailing government rates\*\* (limited in quantity)

Use code: GCIGEWR (for government rooms)

RESERVE YOUR GOVERNMENT ROOM NOW

Rooms rates are only guaranteed until Thursday, April 23, 2020.

Rates apply for attendees of both EWRI Congress and Watershed conferences.

\*All room rates are subject to applicable taxes and fees.

Please be advised that all rates quoted are per room, per night, single or double occupancy. A charge of \$25 will be added for each guest room over double occupancy.

A \$20.00 resort fee plus 14% tax per night will be applied to each guest room, which includes basic daily in-room internet (currently at \$12.99

This year's EWRI Congress and the Watershed Management Conference will be a combined event held at the same location. When you register for Congress you will also receive access to the Watershed Management sessions and events.

# Important Dates

2010	<u>Çəli for Enjopnisskons</u>
ANG 15 2019	Abstracts Due
MOY A 2019	Author Notifications Sen
NOV 2019	Registration Opens
2019	Final Papers Due
]AF( 13 2020	Spe <u>aker/Aucher</u> Registration Caudline
FEB 21 2020	Technical Program Available
APR 17 2020	Advance Registration Closes

per day), daily newspaper, scheduled shuttle to and from McCarran International Airport and Strip, and admission to the exercise facility at the Resort (currently at \$34.99 per day).

\*\*Government per diem rooms are inclusive of resort fee.

Group rates will be subject to the prevailing room tax, which is currently 14%.

**Important note**: Please be vigilant if approached by a business claiming to be a housing provider for EWRI Congress 2020 or the Watershed Conference 2020—they may attempt to contact you or your company to book your hotel rooms through them. Don't get ripped off!

The American Society of Civil Engineers has no affiliation with these organizations and cannot vouch for their services in any way. There is NO official housing agent for EWRI Congress 2020 or the Watershed Conference 2020—you get the best deal by booking directly with the Green Valley Ranch Resort Hotel through the conference link above.

Entering into an agreement with a different company can potentially cost you money, with no guarantee of an actual hotel reservation. Booking rooms through any other company is at your own risk and responsibility. No housing company or agency is authorized to place reservations on behalf of EWRI or ASCE.

# Travel

# Airport

<u>The McCarran International Airport</u> is 9.3 miles from the hotel (17 – 25 minutes).

# Getting to and from the Hotel

For shuttle questions, please contact the hotel bell desk at (702) 617-7745.

Green Valley Ranch Resort to McCarran International Airport

Drops off at departure level every (2) hours from 7:00 am - 9:00 pm.

McCarran International Airport to Green Valley Ranch Resort

Picks up from ground zero between stalls 21-23 every (2) hours from 7:30 am – 9:30 am.

APR	On-Site Registration
18	<u>Begins</u>
2020	
MAY 17 2020	Conference Begins

# Questions?

(800) 548-2723

# International

+1 (703) 295-6300 registrations@asce.org Customer service reps are available to answer your questions Mon-Fri 9:00 a.m. to 6:00 p.m. ET



# **CONSENT CALENDAR ITEM**

February 19, 2020

**TO:** Board of Directors

FROM: Administration & Finance Committee

(Directors Thomas, Finnegan, Dick)

Robert J. Hunter Staff Contact: C. Busslinger General Manager C. Harris

**SUBJECT:** Professional Services Contract Award for Owner's Representative

Services

# STAFF RECOMMENDATION

Staff recommends the Board of Directors authorize the General Manager to enter into a professional services agreement with ABSG Consulting Inc. (ABS Consulting) to provide Owner's Representative/Project Management services for the upcoming Administration Building seismic retrofit and remodel, at a cost not to exceed \$245,434 plus 5% contingency for a total not to exceed cost of \$257,706.

# COMMITTEE RECOMMENDATION

Committee concurred with staff recommendation.

# **SUMMARY**

Plan review of the seismic retrofit and remodel of the MWDOC Administration Building are nearing completion and are currently in plan check to obtain the necessary building permits from the City of Fountain Valley. MWDOC is seeking professional services to include; a value engineering review of the design plans and specifications, project management, preparation of the bid package for solicitation of construction work, generation of bidder interest, construction administration, and quality assurance/quality control. MWDOC staff is seeking to augment existing staff with a consultant that has specialized expertise in the construction aspects of seismic retrofitting and remodeling existing buildings.

Budgeted (Y/N): N Budgeted amount: None Core \_X Choice \_\_

**Action item amount: \$257,706** Line item: 2000-19-8811

Fiscal Impact (explain if unbudgeted): A portion to be utilized from building reserves for fiscal year 2019/20 and remainder of the work will be from the 2020/21 budget.

MWDOC staff issued a Request for Proposals (RFP) in December 2019 seeking professional services to help us move the project into the construction bidding process and through to project completion.

# **DETAILED REPORT**

The Board approved a contract with IDS Group on November 15, 2017 to provide architectural services for the remodel of the administration building. Then on September 12, 2018, the Board approved a contract with IDS Group to provide additional engineering services for the seismic retrofit of the administration building to improve seismic performance so that the building can better serve as a backup emergency operations center. A number of challenges have delayed the completion of the plans and construction documents, however the design is now nearing completion.

In December 2019, MWDOC issued a Request for Proposals (RFP) for Owner's Representative services to obtain the requisite expertise to ensure successful completion of the project. MWDOC received five proposals in response to the RFP (ABS Consulting., GHD, Griffin Structures, Plump Engineering Inc., and Rosenberg + Associates). In January 2020, four of the respondents were invited for supplemental interviews. Staff was pleased with the overall experience and capabilities the teams offered, making the decision quite difficult; with three of the teams, excelling in at least two of the four qualification areas (Structural Evaluation, Project Management, Quality Assurance, and Construction Cost Estimating). In addition to evaluating the qualifications of the firm, and their assigned personnel/subcontractors, each proposal was evaluated based upon understanding of the project, and Respondents recommended plan for completion, including recommended changes to the scope of services to best achieve intended outcomes.

Key discussions during each interview included:

- Each teams' expertise with similar public agency building retrofits/remodels.
- The structural improvements for the seismic retrofit were determined to be a critical aspect of the project, resulting in most of the respondents including Registered Structural Engineers as part of their teams for both the value engineering review and construction quality assurance.
- The construction schedule was estimated by IDS to take 22 weeks. Most of the teams interviewed thought the schedule was too tight.
- The benefits of after-hours/night-work vs. daytime construction work. Several of the teams opined that, with proper scheduling and coordination, heavy construction/noisy work could be completed outside of regular business hours to minimize impacts to business operations, with the bulk of the work occurring during the day.
- Phasing of the project, to allow for relocation of employees to provide the contractor
  with isolated work areas, is a key component for success for a project of this type.
  Phasing options centered on completion of Conference Room 101 as an early work
  item; then using 101 as temporary employee workspace while other phases are
  under construction. Construction trailer rentals were also discussed as an option.
- Costs and need for 'full-time' inspection services vs. 'part-time' inspection services were also discussed.

 Each team's capabilities and use of building information model systems, schedule programs, and web-based file management and information systems to support construction administration, and communications were explored.

Staff is recommending ABS Consulting as having the best combination of qualifications; indepth understanding of the project, and high degree of competency associated with access to and use of building information model systems, computer-based schedule programs, web-based file management and information systems that will sync up well with both IDS as the architect of record, and the prospective General Contractor.

NOTE: ABS Consulting's primary liability coverage is maintained through ABS Boiler and Marine Insurance Company (ABS BMIC), a captive insurance company which is not rated by A.M Best; though ABS BMIC is reinsured through the Beazley Group (who is A.M Best rated A-Excellent). ABS Consulting requests an exception to this insurance requirement.

# **BOARD OPTIONS**

# Option #1

 Authorize the General Manager to enter into a professional services agreement with ABS Consulting to provide Owner's Representative/Project Management services for the upcoming Administration Building seismic retrofit and remodel, at a cost not to exceed \$245,434 plus 5% contingency for a total not to exceed cost of \$257,706.

Fiscal Impact: \$257,706

**Business Analysis:** Remodeling of the building while it remains occupied will present a number of construction and operational challenges. Hiring experts in this area will minimize operational disruptions, as well as reduce construction delays and associated contractor change orders claims.

# Option #2

 Hire additional engineering staff with the requisite expertise to project manage and provide quality assurance for the remodel and seismic retrofit of the building.

Fiscal Impact: not determined

**Business Analysis:** Each respondent team interviewed consisted of at least three professionals with expertise in engineering, construction inspection, and project management who have worked together on multiple projects. Bringing on new staff with specialized building construction expertise who have not worked together for one project was determined to be not cost effective.

# Option #3

Use existing MWDOC staff.

# **Fiscal Impact:**

**Business Analysis:** Not recommended as staff do not have the requisite construction expertise in building remodeling and currently have other duties.

# STAFF RECOMMENDATION

# **Option #\_1**



# **CONSENT CALENDAR ITEM**

February 19, 2020

**TO:** Board of Directors

FROM: Administration & Finance Committee

(Directors Thomas, Finnegan, Dick)

Robert J. Hunter General Manager

SUBJECT: ATTENDANCE AT THE CALIFORNIA WATER ENVIRONMENT ASSOCIATION

(CWEA) ANNUAL CONFERENCE

# **RECOMMENDATION**

It is recommended that the Board of Directors: Consider authorizing attendance at the California Water Environment Association (CWEA) Annual Conference, April 1-3, 2020 in Reno, NV.

# **COMMITTEE RECOMMENDATION**

Committee concurred with staff recommendation. Director Yoo Schneider has indicated that because she is a speaker at the conference, the registration cost will only be \$315; the write up has been revised to reflect this.

# **SUMMARY**

In December 2019 Director Yoo Schneider received the Board's support in her candidacy for the California Water Environment Association (CWEA) Vice President of the South (to be President in the third year of a four year term).

Per the website, CWEA is a not-for-profit public benefit association of 10,000-plus water quality professionals who work for public agencies and collection systems, engineering firms, and equipment and service suppliers. CWEA members are responsible for cleaning California's water and returning it safely to the environment. CWEA educates and certifies water quality professionals, disseminates technical information, and promotes sound policies to benefit society through protection and enhancement of our water environment.

CWEA's annual conference will be held in Reno, Nevada on April 1-3, 2020 and Director Yoo Schneider has expressed interest in attending. Anticipated costs are approximately \$1525, broken down as follows:

Registration: \$\frac{\$625}{\$315}\$ Meals: \$175 Hotel: \$450 Transportation: \$585

Budgeted (Y/N): No	Budgeted amount:		Core X_	Choice
Action item amount: \$1	ction item amount: \$1525			
Fiscal Impact (explain if unbudgeted): Approximately \$1835 expense				

# MATER





2020 Annual Conference

Welcome to a New Decade of California Clean Water

# CleanWATER

The official publication of the California Water Environment Association

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PRESIDENT-ELECT
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# YOU'RE THE REASON WHY

# **AC20 WELCOME LETTER**





KEVIN CALDERWOOD, CWEA PRESIDENT, AND GARY WARREN, AC20 CO-CHAIR

WEA's Annual Conference 2020 will be another exciting and highly educational event. Our usual Northern California venue, the Sacramento Convention Center, is closed for renovation, but with every challenge comes an opportunity. We are excited to be joining the Nevada Water Environment Association (NWEA) at a new location: the Reno-Sparks Convention Center.

AC20 will be the first-ever joint conference for CWEA and NWEA. Reno is a world-class location and the Convention Center is a fantastic facility.

## OCONFERENCE THEME: THIS IS WHY

We spend a lot of time at our conferences and events talking about what we do and how we do it – and there will be plenty of that at AC20. It's important! But we wanted to give some thought this year to why we do it.

Everyone in the water sector could be doing something else. People in water are among the smartest, most motivated, most capable people in the world. We could be doing almost anything. Yet we choose to do this. Our conference theme this year, *This is Why*, reminds us to think about why we work so hard and to celebrate our successes. Just think of all the ways water is used in California. Without you, none of that would be possible.

# • PRE-CONFERENCE WORKSHOPS,

TECHNICAL SESSIONS, AND FEATURED TRACKS A wide range of technical sessions and trainings are included to address issues that affect collection systems, operations and maintenance, advanced treatment, engineering and research, pollution prevention, laboratory, regulatory, leadership, asset management, and more.

Thanks to all those who submitted proposals to share your knowledge and experience with your peers. Nearly half of the presentations this year are part of 'Curated Tracks' that have been tailored to cover hot-button issues and speak to targeted audiences. Be sure to check them out for deep dives into critical current topics.

# **©** EXHIBIT HALL

New vendors will be included in our Exhibit Hall due to joining with NWEA. Based on feedback from last year, we're adding more mobile tours of the technologies inside the Exhibit Hall. Topics covered will include pumps, chemical feed systems, and biosolids dewatering equipment.

The You Don't Know & Game Show is also returning in the Exhibit Hall. The competition will include Local CWEA Sections and NWEA. Local Sections are encouraged to form teams to compete for valuable prizes and trophies!

## NETWORKING OPPORTUNITIES

There will be a wide range of training and networking events this year, including an icebreaker reception, a Women Impacting Water breakfast, additional networking and committee breakfasts and lunches, a student poster competition, and bowling tournament.

Because of the potential for cool April weather, we'll hold a bowling tournament instead of golfing this year, so grab your ball and shoes and get ready to roll!

## TECHNICAL TOURS

NWEA did a great job lining up our technical tours. The tours are not to be missed, including the Reno-Stead WRF/UNR Indirect Potable Reuse pilot facility, the Truckee Meadows WRF (northern Nevada's largest treatment facility) fish locks along the Truckee River, and a cannabis facility.

## SEE YOU IN RENO

It's going to be a great conference – we're meeting in a new location, we're joining with new friends, and we're trying new things. Come with us, and help us celebrate *This is Why!* 

Special thanks to all the volunteers and CWEA/NWEA staff who help make this event a success. There are more volunteer opportunities available if you'd like to help.

If you need suggestions for justification to attend the conference, please visit AC.CWEA.org.

We look forward to seeing you in Reno for AC20. We hope you can join us!



Kevin Calderwood
CWEA President



Gary Warren AC20 Co-Chair

## FIRST-TIME ATTENDEE ORIENTATION

Tuesday, March 31 5:00 p.m. – 5:45 p.m.
Coming to CWEA's Annual Conference for the first time? If so, join us for an overview of the conference, learn how to make the most of your time, and make connections with other attendees and CWEA leaders.

# **SCHEDULE AT A GLANCE**

# TUESDAY, MARCH 31

50 July 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Pre-Conference Workshop and Tour Registration Desk Open at the Atlantis Hotel
NWEA & CWEA Truckee Meadows Water Reclamation Facility Technical Tour ©
Full Day Pre-Conference Workshops 🚱
Advanced Water Treatment Workshop (Day 1 of 3) 😂
NWEA & CWEA Bowling Tournament at High Sierra Lanes 🥯
Conference Registration Desk Open at the Reno-Sparks Convention Center
First-Time Attendee Orientation
5S Ceremony
NWEA & CWEA Icebreoker Networking Reception

# WEDNERSON ABOUT

	() =1=21=1=2=2=2=2	
6:	45 a.m 5:00 p.m.	Conference Registration Desk Open
7.	00 a.m. – 8:45 a.m.	NWEA & CWEA Women Impacting Water Breakfast 🥯
8:	30 a.m. ~ 9:45 a.m.	NWEA & CWEA Opening General Session: This is Why: Inspiring Water's Next Generation
8:	50 a.m 4-90 p.m.	Advanced Water Treatment Workshop (Day 2 of 3) 🥯
10	):00 a.m. — 12:00 p.m.	Morning Sessions
10	1:00 a.m 3:30 p.m.	NWEA & CWEA Industry Partner Tables Open
10	0:00 a.m. — 3:30 p.m.	Film Festivol
12	2:15 p.m. – 1:45 p.m.	Collection Systems Committee Awards Lunch 🥯
12	2.15 р.т. — 1:45 р.т.	Engineering & Research Lunch: Operation and Management Practices at Central Son ©
12	7:15 p.m. — 1:45 p.m.	On Point — Engoging Your Audience Lunch 🅯
12	2:15 р.нг. — 1:45 р.m.	Partnering for Impact Brainstorming Lunch 🚭
12	?:15 p.m. — 1:45 p.m.	Students & Young Professionals Lunch: State and Regional Roles in Building Water Resilience 😂
12	2:30 p.m. — 3:3 <b>0</b> րտ	NWEA & CWEA Reno/Stead WRF/UNR IPR Feasibility Study Technical Tour ©
2:	00 p.m. = 4:00 p.m.	Afternoon Sessions and Workshops
	3:30 p.m 6:30 p.m.	NWEA & CWEA Exhibit Hall Open
\$	3:30 p.m 6:30 p.m.	Sewer Scavenger Hunt $-$ Journey of a Thousand Pipes
	3:30 р нг. – 6:30 р.т.	Student Poster Competition
Ě	4:00 p.m. — 6:00 p.m.	Reception
IN THE EXHIBIT HAIL	4:15 р.т. — 5:45 р.т.	Exhibit Hall Tour: Chemical Feed Systems
Ē	5:00 р.т. ~ 6:30 р.т.	You Don't Know 📤 Gome Show
	6:30 p.m.	Exhibits Close

NWEA & CWEA Networking Mixer by Students and Young

Professionals at Atrium Indoor Pool in Atlantis Hotel @

# THURSDAY, APRIL 2

6:	45 a.m. — 5:00 p.m.	Conference Registration Desk Open
7:	90 a.m. – 8:30 a.m.	New Member Orientation Breakfast 🚳
7:	00 a.m 8:30 a.m.	O&M Committee Breakfast Meeting 😂
7:	30 a.m. – 12:30 p.m.	NWEA & CWEA Marble Bluff Fish Passage Facility Technical Tour 🚳
8	50 a m. – 4:00 p.m.	Advanced Water Treatment Workshop (Day 3 of 3) 🥯
8:	50 a.m. — 12:00 p.m.	Morning Sessions and Workshops
9:	00 o.m. – 3:30 p.m.	NWEA & CWEA Industry Partner Tables Open
9	00 a.m. ~ 3:30 p.m.	Film Festival
12	7-15 p.m. — 1:45 p.m.	Brewery Resource Recovery Lunch 🗇
13	2-15 p.m 1-45 p.m.	Laboratory Committee Lunch Meeting 😂
};	2.35 p.m. — 1:45 p.m.	Northern Regional Committee/ Southern Regional Committee Lunch Meeting 😂
1	235 р.т. – Э:45 р.т.	P3S Committee Lunch Meeting 🚳
ľ	245 p.m. + 1:45 p.m.	River Reborn: Celebrating 50 Years of Cuyahoga River Progress Lunch 🕯
13	?.15 p.in. — 1:45 p.m.	Salety Committee Lunch Meeting: 7 Insights into Safety Leadership 😂
2:	00 p.m 4:00 p.m.	Afternoon Sessions and Workshops
2	00 p m - 3:30 p.m.	Exhibit Hall Tour: Pumps
3.	30 p.m. – 6:30 p.m.	NWEA & CWEA Exhibit Hall Open
in.	3:30 p.m 5:30 p.m.	Sewer Scovenger Hunt — Journey of a Thousand Pipes
	4:00 p.m. – 6:00 p.m.	Reception
	4-15 p.m. — 5:45 p.m.	Exhibit Hall Tour; Biosolids Dewatering Equipment
	5:00 p.m. – 6:30 p.m.	You Don't Know 🚵 Game Show
	6:30 p.m.	Exhibits Close

6:45 o.m. — 12:00 p.m.	Conference Registration Desk Open
7:00 a.m. — 8:30 a.m.	Leadership Committee Breakfast Meeting 🍪
8:30 a.m. — 10:30 a.m.	NWEA & CWEA SoL Connobis Technical Tour 🏵
8:50 a.m. – 10:50 a.m.	Morning Sessions and Workshops
8:50 a.m. – 14:00 a.m.	Film Festival
11:00 a.m. – 11:30 a.m.	CWEA Annual Business Meeting
11:30 a.m. – 1:30 p.m.	Closing Ceremony and Awards Lunchean ©

7:00 p.m. - 9:00 p.m.

# HOTEL INFORMATION



he Atlantis Casino Resort Spa is the headquarters hotel for this year's Annual Conference. It is connected by an incomplete to the

Reno-Sparks Convention Center.

Atlantis Casino Resort Spa is a 4-Diamond AAA resort and a world-class destination. Awarded Best Resort for its exceptional and friendly service, Atlantis is focused on making your stay a good one.

Hotel reservations are on a first-come, first-served, space available basis. Make reservations as soon as possible.

Reservation Deadline: March 9, 2020 at 5:00 p.m. After this date and time, reservations will be made based on availability and hotel may charge higher rates.

# ● HOW TO BOOK YOUR ROOM

- Online: AC.CWEA.org/hotel
- By phone (good for multiple reservations): 800-723-6500
- CWEA rates starting at \$134 per night + tax (Atlantis Tower or Luxury Tower Rooms) for single or double occupancy – add \$10 per person, per room, per night, plus tax for triple or quad occupancy
- Free valet and self-parking
- · Free WiFi and wired internet in your room
- Two bottles of spring water per room daily
- Extended check-out time of 12:00 p.m.
- · Fitness center
- · Indoor and outdoor pools and jacuzzi
- Free round-trip shuttle service between the airport and hotel

## ATLANTIS DINING OPTIONS

- Toucan Charlie's Buffet
- Bistro Napa
- Manhattan Deli
- Atlantis Steakhouse
- Cafe Alfresco
- Sushi Bar on the Sky Terrace
- Purple Parrot Restaurant
- Chicago Dogs Eatery

# THIS IS WHY



# PLEASE DON'T FALL FOR THE HOUSING SCAMS

Beware of companies contacting you to book rooms. These companies may not be legitimate. The Atlantis will not be calling you to book your rooms, so if you are contacted, please be suspicious.

There are benefits to being in the conference block for both yourself and CWEA. When you book within the conference hotel block, you receive the following benefits:

- · Entitlement to discounted rates at the official meeting hotel
- Stay at the headquarter hotel with all the conference attendees
- Be steps away from the conference
- And much more!

When rooms are booked at hotels NOT within the official hotel block:

- CWEA is exposed to financial penalties
- CWEA risks its ability to rebook preferred meeting hotels and receive reduced rates
- CWEA could lose qualification for the amount of convention center space we need for the meeting – please book early using the booking website

# REGISTRATION INSTRUCTIONS

efore you register one or more persons online, please read all instructions and make sure you have decided on the number of lunches, tours, etc. You will need your online CWEA password or the ability to do a group registration for all those you are registering. Discrepancies may result in delays when you pick up your registration materials at the conference. All conference attendees, including speakers and exhibitors, are required to register.

Early Bird Registration entitles you to a discounted conference registration rate. By registering early, you will avoid the wait time that is necessary for all on-site registrations and you or your employer

EARLY BIRD REGISTRATION

registrations and you or your employer will save money. Early Bird Registration must be accompanied with the appropriate fee in order to be processed. Save time by registering online!

MEMBER-DISCOUNTED RATES

Only CWEA, WEF, or CA-NV AWWA membership qualifies for member-discounted rate and memberships will be verified. The additional cost of a non-member registration will be applied toward one year of CWEA membership, unless otherwise stated on the registration form. To ensure accuracy, read all instructions prior to filling out the Registration Form and all other necessary forms.

## RETIRED MEMBERS

Retired Members are eligible for a special registration rate. CWEA Bylaws state that a retired member is any person retired from and not currently affiliated professionally or technically with the water quality field. Retired members are asked to submit a registration form and fee by mail, fax, or email.

STUDENT REGISTRATION

Full-time students are eligible for free registration. A student registration includes the Wednesday and Thursday evening Exhibit Hall Receptions, but does not include extra fee-based meals, technical tours, etc. – these can be purchased separately. This registration type is not available online since students must provide verification of current enrollment (nine or more units per semester). Students can submit a registration form by mail, fax, or email.

SPOUSE/GUEST REGISTRATION

Spouse/Guest Registration includes participation in the Icebreaker Reception on Tuesday night, entrance into the Exhibit Hall on both days and a drink ticket for each of the Exhibit Hall receptions. Since you must be registered for the conference as an attendee to earn contact hours, spouses/guests are not eligible for contact hours.

## EXHIBITOR STAFF BADGES

Exhibitors can pick up Staff Badges at the Conference Registration Desk at the Reno-Sparks Convention Center:

- TUESDAY, MARCH 31, 3:00 p.m. to 7:00 p.m.
- WEDNESDAY, APRIL 1, 6:45 a.m. to 5:00 p.m.
- THURSDAY, APRIL 2, 6:45 a.m. to 3:00 p.m.

Exhibitors with staff badges are allowed entry into the following events at no extra cost: the Tuesday Icebreaker Reception and the Wednesday morning Opening General Session. Exhibitors who wish to attend AC fee-based events or meals should register and pay online or by mail/fax. Guests of exhibitors are also expected to register and pay. For more information about CWEA Exhibits, please contact CWEA Senior Manager, Exhibitions & Sponsorship Sales, Christine Carchia at ccarchia@cwea.org or 510-746-7415.

# REGULATORS AND ACADEMICS REGISTRATION

Full-time employees of academic institutions and full-time employees of federal or state regulatory agencies are eligible for our discounted Regulators and Academics registration fee. Please submit a registration form by mail, fax, or email.

# BOWLING TOURNAMENT REGISTRATIONS

Registration for the bowling tournament should be made with your conference registration online or by mailing, emailing or faxing your registration form with payment. If you are registering for these by personal check and the registration is paid by your agency, please enclose all payments together. This will allow us to better coordinate your activities and process a complete registration for you.

# ACTIVITIES HOSTED BY STUDENTS AND YOUNG PROFESSIONALS

If you are interested in participating as a Student, Young Professional, or seasoned professional, please mark the appropriate SYP event selections on your registration form.

## CONFERENCE MEALS

Please indicate which conference meals you and your spouse/guest will be attending by checking the appropriate box online or on the Conference Registration Form. Note the number attending plus the cost in the space provided.

EXHIBITS ONLY REGISTRATION Bring your agency staff to experience the Exhibit Hall.

- Learn about new technology
- Experience hands-on equipment demos

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Clean WATER S ISSUE #1 2020

RETURN TO CONTENTS

- Network with over 200 exhibitors
- Participate in mobile Exhibit Hall tours (please check AC.CWEA.org or the on-site schedule for details)

Note: This registration type is only valid for the Exhibit Hall portion of the event.

## REFUND POLICY

Written cancellation notice is required and must be received at least 30 days prior to the conference date. A 25% service fee shall be retained on all cancellations. No refunds will be given for cancellations made less than 30 days prior to the conference. Please consider sending a replacement if you are not able to attend.

## HOTEL REGISTRATION

To book your hotel rooms, please go to AC.CWEA.org/hotel and follow the instructions provided.

## REGISTRATION HOURS

The Conference Registration Desk will be open Tuesday to Friday. Registration hours are as follows:

- TUESDAY, MARCH 31,
  8:30 a.m. 12:00 p.m.
  Pre-Conference Workshop
  Registration Only in the Atlantis
  Hotel, 2nd Level
- TUESDAY, MARCH 31, 3:00 p.m. – 7:00 p.m. in the Reno-Sparks Convention Center

- WEDNESDAY, APRIL 1, AND THURSDAY, APRIL 2, 6:45 a.m. – 5:00 p.m.
- FRIDAY, APRIL 3,
   6:45 a.m. 12:00 p.m.

## REGISTRATION PAYMENT

Payment can be made by check payable to: CWEA 2020 Annual Conference. Credit card payments are also accepted using the enclosed registration form or through CWEA's secure website (AC. CWEA.org). Early Bird Registration MUST be post-marked by February 14. Those who submit payments with an Early Bird Registration fee after February 14, will be billed for the difference. All fees for conference registration shall be paid in full at the time of registration. Full payment may be made by credit card, personal check or company/agency check. Purchase orders are also accepted. Registrations received without full payment or purchase order will not be processed. You must be registered for the conference as an attendee to receive contact hours. Guests/ spouses and exhibits only registrations are not eligible for contact hours coming from tours or technical sessions.

# REGISTRATION QUESTIONS

Registration questions may be referred to Member Services at 510-382-7800 x0 or memberservices@cwea.org.

# SPEAKER QUESTIONS

Speaker questions may be referred to Heidi Wandell, Education Coordinator, at hwandell@cwea.org.

## HOSPITALITY SUITES

While CWEA welcomes 'Hospitality Occasions' provided for our members, they must not open until after all regularly scheduled conference events or exhibits have closed. Hospitality suites may be available at the conference hotel. All hospitality events (both on-site and off-site) must be arranged/approved through the Conference Co-Chairs Gary Warren and Monica Myhill. Please send an email request to mmyhill@cwea.org indicating hosting organization, details of proposed event, preferred evening (Tuesday, Wednesday, or Thursday evening) and coordinator's name and contact information.

## DISCLAIMER

CWEA and its Board members and volunteers are not responsible for the actions of speakers or the content of their sessions. No endorsement is implied or given of any persons or their philosophies, ideas or statements; nor of any products or processes; nor of any organizations or companies who volunteer to serve as speakers at the conference or exhibitors who purchase display space in the Exhibit Hall.



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# **REGISTRATION FORM**

# **EARLY BIRD DEADLINE IS FEBRUARY 14!**

Register online: MyCWEA.org

(PLEASE PRINT OR TYPE)

Name For Badge:	
First Name:	Last Name:
Agency/Company:	Title:
Address:	
City:	State: Zip:
Phone Number:	E-Mail:
Emergency Contact:	Emergency Phone:
□ CWEA MEMBER □ WEF MEMBER □ C	A-NV AWWA MEMBER #
Non-member rates includes 1 year membership in CWEA. Pleas	check here if you do $\underline{\mathbf{not}}$ wish to take advantage of CWEA membership: $\Box$
Special Services: 🗆 Please check here if you require special acc	mmodations to fully participate. Attach a written description of your needs.
Dietary Restrictions: □ Please check here to include any diet	ry restrictions:
Tell us a bit about you. Please select one respons	for each question.
1. WHAT IS YOUR CAREER STAGE?	2. WHAT IS YOUR PRIMARY PRACTICE AREA?
☐ Student ☐ Job Seeker ☐ Colle	tion Systems 🛘 Electrical/Instrumentation
☐ Entry-level ☐ Journey-level ☐ Engir	eering 🗆 Laboratory 🗆 Plant Maintenance
☐ Supervisor ☐ Management ☐ Plant	Operations 🗆 Pretreatment 🗀 Public Outreach 🗀 Safety
☐ Executive ☐ Retiree ☐ Other ☐ Storm	water Utility Executive Other
3. WHAT TYPE OF ORG	NIZATION DO YOU WORK FOR?
☐ Municipal – Large (400K+ customers) ☐	1unicipal – Medium (50K-400K customers)
'	Ion-municipal – Consulting Firm
☐ Non-municipal – Manufacturer or sales representative ☐	

FULL CONFERENCE ATTENDANCE WEDNESDAY, APRIL 1 – FRIDAY, APRIL 3, 2020	(Before February 14) Early Bird	(After February 14) Saver	(After March 13) Full Rate
☐ Member – Discounted	\$525.00	\$625.00	\$695.00
□ Non-Member	\$713.00	\$813.00	\$883.00
☐ Retired Member	\$320.00	\$320.00	\$320.00
☐ Regulators and Academics	\$100.00	\$100.00	\$100.00
□ Speaker	\$315.00	\$315.00	\$315.00
Student With proof of current enrollment (nine or more units per semester)	\$0	\$0	\$0
Fee Subtota	al \$		

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ADVANCED WATER TREATMENT					
(TUESDAY, MARCH 31, 10:00 a.m. – 5:00 p.m.; WEDNESDAY, A	APRIL 1, THURSDAY, A	APRIL 2, 8:50 a.m. – 4:0	00 p.m.)		
Workshop includes buffet lunch each day, Tuesday Icebreaker (Before February 14) (After February 14) (After March 13) Reception, and Exhibit Hall on Wednesday and Thursday. Early Bird Saver Full Rate					
Introduction to Advanced Water Treatment					
☐ Member – Discounted Rate	\$450	\$550	\$620		
□ Non-Member Rate	\$642	\$742	\$812		
Fee Subtotal \$					

ONE-DAY CONFERENCE ATTEND				
		(After Sebruary 14) Saver		
Please check the day you would like to attend:   WEDI	NESDAY, APRIL 1	THURSDAY, APRIL 2		
☐ Member – Discounted	\$325.00	\$350.00	\$375.00	
□ Non-Member	\$513.00	\$538.00	\$563.00	
□ Speaker	\$195.00	\$195.00	\$195.00	
□ Student	\$0	\$0	\$0	
Fee Subtotal \$				

NWEA & CWEA EXHIBIT HALL ATTENDANCE ONLY  Each day includes an exhibit hall reception. No exhibits on Friday.					
	Wednesday (April 1)	\$50.00	\$50.00	\$60.00	
	Thursday (April 2)	\$50,00	\$50.00	\$60.00	
	Fee Subtotal \$				

ONE-DAY CONFERENCE ATTENDANCE (FRIDAY, APRIL 3)					
(Before February 14) (After February 14) (After March 13) Early Bird Saver Full Rate					
☐ Member – Discounted	\$120.00	\$145.00	\$170.00		
□ Non-Member	\$308.00	\$333.00	\$358.00		
□ Speaker	\$72.00	\$72.00	\$72.00		
□ Student	\$0	\$0	\$0		
Fee Subtotal \$					

CONFERENCE FOOD & BEVERAGE EVENTS	
Unless otherwise noted, meals are not included with registration. Meals noted as fre	e are not automatically included
□ NWEA & CWEA Icebreaker Reception (Tuesday, March 31, 6:00 p.m. – 7:30 p.m	.) FREE with Registration

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BREAKFAST & LUNCH OPPORTUNITIES Register for only one breakfast and lunch per day. See page 38 & 39 for details.		
The Women Impacting Water Breakfast and Closing Ceremony Awards Luncheon descriptions are on page 42 and 43.	Early Bird and Saven	Full Rate (After March 13, 2020)
WEDNESDAY BREAKFAST, APRIL 1 (7:00 a.m. – 8:15 a.m.):		
□ Women Impacting Water Networking Breakfast	\$40	\$48
WEDNESDAY LUNCH, APRIL 1 (12:15 p.m. – 1:45 p.m.):		
☐ Collection Systems Committee Awards Lunch	\$25	\$30
☐ E&R Lunch: Operation and Management Practices at Central San*	\$30	\$36
☐ On Point – Engaging Your Audience Lunch*	\$30	\$36
☐ Partnering for Impact Brainstorming Lunch	\$25	\$30
☐ SYP Lunch: State and Regional Roles in Building Water Resilience*	\$30	\$36
THURSDAY BREAKFAST, APRIL 2 (7:00 a.m. – 8:30 a.m.):		
□ Operations & Maintenance Committee Breakfast	\$20	\$24
☐ New Member Orientation	\$20	\$24
THURSDAY LUNCH, APRIL 2 (12:15 p.m. – 1:45 p.m.):		
☐ Lab Committee Lunch	\$25	\$30
☐ Brewery Resource Recovery Lunch*	\$30	\$36
□ NRC/SRC Lunch Meeting	\$25	\$30
□ P3S Committee Lunch	\$25	\$30
☐ River Reborn: Celebrating 50 Years of Cuyahoga River Progress Lunch*	\$30	\$36
☐ Safety Committee Lunch Meeting: 7 Insights into Safety Leadership*	\$30	\$36
FRIDAY BREAKFAST, APRIL 3 (7:00 a.m. – 8:30 a.m.):		
□ Leadership Committee Breakfast	\$20	\$24
FRIDAY LUNCH, APRIL 3 (11:30 a.m. – 1:30 p.m.):		
☐ Closing Ceremony Awards Luncheon	\$40	\$48
Fee Subtotal	\$	

 $<sup>{}^{\</sup>star}\text{CWEA}$  Contact Hours will be provided for the speaker portion of the lunch.

PRE-CONFERENCE WORKSHOPS		
(TUESDAY, MARCH 31, 10:00 a.m. – 5:00 p.m.) See descriptions on pages 14 and 15. Workshops include a buffet lunch!		Full Rate (Alter March 13, 2020)
□ PCW1: Build Your Own Asset Management Program!	\$200	\$240
□ PCW2: Instrumentation and Electrical Drawings 101	\$175	\$210
□ PCW3: Ops: Nutrient Removal Process Troubleshooting from Start-Up through Asset Life	\$200	\$240
□ PCW4: Process Control Analyzers	\$145	\$174
Fee Subtotal	\$	

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TECHNICAL TOURS  See tour info on page 22. Tour registration may only be purchased in conjunction with a one-day or full conference registration.	Early Bird and Saver	Full Rate (After March 13, 2020)
☐ T1: Truckee Meadows Water Reclamation Facility Technical Tour (TUESDAY, MARCH 31, 12:30 p.m. – 3:30 p.m.)	\$30	\$36
☐ T2: Reno/Stead WRF/UNR IPR Feasibility Study Technical Tour (WEDNESDAY, APRIL 1, 9:30 a.m. – 12:30 p.m.)	\$30	\$36
☐ T3: Marble Bluff Fish Passage Facility Technical Tour (THURSDAY, APRIL 2, 7:30 a.m. – 12:30 p.m.)	\$30	\$36
☐ T4: SoL Cannabis Technical Tour (FRIDAY, APRIL 3, 8:30 a.m. – 10:30 a.m.)	\$30	\$36
Fee Sub	ototal \$	

ACTIVITIES AND NETWORKING See special events pages 42 for full descriptions.		Full Rate (After March 13, 2020)		
BT. BOWLING TOURNAMENT (Tuesday, March 31, 1:00 p.m. – 4:00 p.m. at High Sierra Lanes, Reno, NV)				
□ Individual	\$15	\$18		
☐ Team of 3	\$45	\$54		
SG. SPOUSE/GUEST REGISTRATION (for more info on what is included in spouse/guest registration see page 46)				
□ Name:	\$50	\$50		
SYPNM. NETWORKING MIXER BY STUDENTS & YOUNG PROFESSIONALS (Wednesday, April 1 from 7:00 p.m. – 9:00 p.m.)				
	\$20	\$24		
Fee Subtotal \$				

# **PAYMENT INFORMATION**

For payments by check or money order, make payable to: CWEA 2020 A	C. For payments by credit card, please print clearly.
Credit card: □ VISA □ MASTERCARD □ DISCOVER □ AMEX Signatu	are:
Credit card number:	Expiration date:
Name of account holder:	Billing zip code:
Disclaimer: CWFA is not responsible for theft of or damage to personal or agency/compa	ny property whether intended to be used for CWEA purposes or not.

Mail registration payment and form to: CWEA

7677 Oakport St, Suite 600 Oakland, CA 94621-1935 Fax credit card payments and form to:

510-382-7810 Or, register on-line: MyCWEA.org Need assistance?

Contact Member Services 510-382-7800 x0 memberservices@cwea.org

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# **CONSENT CALENDAR ITEM**

February 19, 2020

TO: Public Affairs and Legislation Committee

(Directors Yoo Schneider, Barbre and McVicker)

FROM: Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: TRAVEL TO WASHINGTON D.C. TO COVER FEDERAL ADVOCACY

**INITIATIVES** 

# STAFF RECOMMENDATION

Staff recommends the Board of Directors review the travel expenses and ratify as reported.

# **COMMITTEE RECOMMENDATION**

Committee will review this item on February 18, 2020.

# **REPORT**

# DIRECTORS

For the second quarter (October-December 2019) of fiscal year 2019-2020, one trip was taken and one trip was booked.

The following is budgeted for fiscal year 2019/2020 for **directors**:

Washington D.C. Legislative Budget Travel - \$10,800, 6 trips

• Total cost for this quarter: \$1,675.86

• Year-to-date spent: \$1,675.86

Budget remaining: \$9,124.14

Projecting for the third quarter of fiscal year 2019-2020, one trip has been scheduled for February 25-28.

Budgeted (Y/N): Y	Budgeted amount: Directors - \$10,800 Staff - \$10,800		Core X	Choice
Action item amount: None		Line item: 11-7155 12-7150		
Fiscal Impact (explain if unbudgeted):				

# **STAFF**

For the second quarter (October-December 2019) of fiscal year 2019-2020, zero trips were taken.

The following is budgeted for fiscal year 2019/2020 for **staff**:

Washington D.C. Legislative Travel - \$10,800, 6 trips

Total cost for this quarter: \$0
Year-to-date spent: \$2,082.21
Budget remaining: \$8,717.79

Projecting for the third quarter of fiscal year 2019-2020, no trips are scheduled.

The focus of the trips this fiscal year will be on the importance of the Delta Conveyance Project, PFAS, appropriations and funding opportunities for local and regional projects, long term conservation and tax parity water rebate issues (turf removal program, et al.), and visits to representative's offices to update them on issues of importance to MWDOC and its member agencies.



# **CONSENT CALENDAR ITEM**

February 19, 2020

TO: Public Affairs and Legislation Committee

(Directors Yoo Schneider, Barbre and McVicker)

FROM: Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: TRAVEL TO SACRAMENTO TO COVER STATE ADVOCACY INITIATIVES

# STAFF RECOMMENDATION

Staff recommends the Board of Directors review the travel expenses and ratify as reported.

# **COMMITTEE RECOMMENDATION**

Committee will review this item on February 18, 2020.

# **REPORT**

# **DIRECTORS**

For the second quarter (October-December 2019) of fiscal year 2019-2020, zero trips were taken:

The following is budgeted for fiscal year 2018/2019 for **directors**:

Sacramento Legislative Budget Travel - \$4,600, 8 trips

Total cost for this quarter: \$0
Year-to-date spent: \$603.98
Budget remaining: \$4,196.02

Budgeted (Y/N): Yes	Budgeted amount: \$4,600 - Directors \$9,500 - Staff		Core X	Choice
Action item amount: None		Line item: 11-7155 12-7150		
Fiscal Impact (explain if unbudgeted):				

Projecting for the third quarter of fiscal year 2019-2020, no trips have been scheduled.

# <u>STAFF</u>

For the second quarter (October-December 2019) of fiscal year 2019-2020, three trips were taken, and four were scheduled:

- October 16-17 Heather Baez
- October 24-25

   Heather Baez
- November 13 Heather Baez
- January 24 Heather Baez (booked for 3<sup>rd</sup> quarter)
- February 21 Heather Baez (booked for 3<sup>rd</sup> quarter, transferred to April 9)
- March 6 Heather Baez (booked for 3<sup>rd</sup> guarter)
- April 3 Heather Baez (booked for 4<sup>th</sup> guarter)

The following is budgeted for fiscal year 2019/2020 for **staff**:

Sacramento Legislative Travel - \$14,400, 24 trips

- Total cost for this quarter: \$3,252.59
- Year-to-date spent: \$5,396.33
- Budget remaining: \$9,003.67

Projecting out for the third and fourth quarter of fiscal year 2019-2020, one trip has been taken, and three have been scheduled:

- January 24 Heather Baez
- February 21 Heather Baez (canceled, ticket changed to April 9)
- March 6 Heather Baez
- April 3 Heather Baez
- April 9 Heather Baez

The focus of the trips are safe and affordable drinking water, Human Right to Water, AB 401 (Low Income Rate Assistance program for water) implementation, California Water Portfolio, PSPS events and the use of emergency generators, the Delta Conveyance Project, and State Water Resources Control Board meetings.



# **CONSENT CALENDAR ITEM**

February 19, 2020

**TO:** Board of Directors

FROM: Planning & Operations Committee

(Directors McVicker, Yoo Schneider, Dick)

Robert Hunter, General Manager Staff Contact: J. Berg

**SUBJECT:** FY 2019-20 Water Use Efficiency Research Activities

# STAFF RECOMMENDATION

Staff recommends the Board of Directors approve implementation of research projects as detailed below:

- 1. A contribution of \$20,000 for participation in the Alliance for Water Efficiency Cooling Tower Study,
- 2. A contribution of \$17,500 for participation in the University of California Landscape Plant Irrigation Trials, and
- 3. Implementation of a Residential End Uses of Water Study including:
  - a. Authorize use of MWDOC-budgeted funds totaling \$128,250 and Metropolitan funds totaling \$79,000 for a total of \$207,250
  - b. Authorize a Professional Services Contract with Flume in the amount of \$207,250.

# **COMMITTEE RECOMMENDATION**

Committee concurred with staff recommendation.

# SUMMARY

Staff has identified the following three research projects for Board consideration this fiscal year:

- Alliance for Water Efficiency Cooling Tower Study
- University of California Landscape Plant Irrigation Trials
- Orange County Residential End Uses of Water Study

Budgeted (Y/N): Yes	Budgeted amount: \$215,000		Core X	Choice
Action item amount: \$165,750 Line item: 35-7040 = \$125,750 & 21-7010 = \$40,00			0 = \$40,000	
Fiscal Impact (explain if unbudgeted): There is no unplanned fiscal impact; proposed funding is budgeted.				

All three research projects are designed to assist agencies in complying with new water use efficiency standards included in Senate Bills 555 and 606, and Assembly Bill 1668.

The total cost for all three research activities is \$752,750. Staff proposes to use a combination of budgeted research funds (\$75,000), budgeted engineering funds (\$40,000) and budgeted, but repurposed, landscape area measurement funds (\$50,750) for a total MWDOC contribution of \$165,750 or 22 percent for MWDOC's contribution to the three research projects. Repurposed landscape area measurement funding is available because the regional aerial imagery effort lead by the Southern California Area of Governments is nearing final development. MWDOC funds will leverage an additional \$587,000 or 78 percent from other funding sources such as Metropolitan, and water suppliers from throughout the state.

# **DETAILED REPORT**

Descriptions of the three research projects are as follows:

# **Cooling Tower Technology Study**

The Alliance for Water Efficiency (AWE) is conducting research and developing important tools and resources to assist water agencies with tapping into the huge water savings potential through improved cooling tower management. Many AWE member utilities, including MWDOC, offer water use efficiency incentive and education programs for cooling systems; however, participation has been underwhelming. Knowing that cooling systems offer great opportunity for water savings, AWE has taken aim to 1) identify the barriers to higher customer participation, and 2) create resources to better drive program participation and market response.

Specifically, AWE has contracted with Pacific Northwest National Laboratory (PNNL) to conduct a national study to understand the demand and potential savings in utility service areas and develop best-in-class utility programs that will drive activity.

This first-of-a-kind study is complicated, and the scope requires PNNL to, among other deliverables, create an estimating model comprised of a yet undetermined list of variables. The building's original design, local water quality, local climate, and the owner's commitment to sustainability and efficiency are just some of the variables that need to be considered and weighted within the model. Deliverables for this study are invaluable in our efforts to drive water efficiency in the commercial market. The final deliverables will include:

- A best practices guide and Excel-based modeling tool that will help water utility staff build cooling tower inventory for their service areas. This is the foundation of a successful utility cooling tower program and will give insight into the number of cooling towers, locations, cooling loads, water use, and potential for savings.
- Evaluation and documentation of commercially available alternative cooling technologies to offset or replace traditional cooling towers and their respective water savings potential.
- 3. Practical operations and maintenance guides for existing cooling towers.

- 4. Outreach materials to educate facility engineers and operations staff on the efficient operation of their cooling towers.
- 5. Best options and strategies for utility incentive programs.

In the end, water utilities will be able to model cooling tower water use in their service area, estimate potential savings, promote best practices, introduce alternative technologies and offer best-in-class programs. This will result in significant water savings from a largely untapped savings opportunity.

The total project cost is \$528,000. To date, a total of \$435,000 has been committed by the funding partners listed below. AWE is seeking to raise the final \$93,000 to complete this very important research. Funders providing \$10,000 or more gain a seat on the Project Advisory Committee. This provides the opportunity to be part of the process, and gain early access to resources.

# There are currently 16 funders/PAC members:

- 1. Metropolitan Water District of Southern California, California, United States
- 2. Southern Nevada Water Authority, Nevada, United States
- 3. San Antonio Water System, Texas, United States
- 4. California Water Service, California, United States
- 5. City of Guelph, Ontario, Canada
- 6. Denver Water, Colorado, United States
- 7. Los Angeles Department of Water and Power, California, United States
- 8. Austin Water, Texas, United States
- 9. City of Dallas, Texas, United States
- 10. City of Tucson, Arizona, United States
- 11. City of Santa Fe, New Mexico, United States
- 12. Santa Clara Valley Water District, California, United States
- 13. City of Calgary, Alberta, Canada
- 14. East Bay Municipal Utility District, California, United States
- 15. SCV Water, California, United States
- 16. Western Municipal Water District, California, United States

Staff is proposing a \$10,000 contribution to fund this research and an additional \$10,000 to have AWE's consultant model water savings potential for Orange County for a total contribution of \$20,000.

# <u>University of California Landscape Plant Irrigation Trials</u>

UC Davis, UC Irvine, and UC Riverside horticulturists are evaluating ornamental landscape plant water needs with the potential to be good performers in low-water use gardens. In the first years of the trials, plants evaluated were from the <a href="UC Davis Arboretum All-Stars">UC Davis Arboretum All-Stars</a> <a href="Isists">Isists</a>. To date, 157 plant trials have been completed, and 37 are under way. Today the plants are exciting new cultivars provided by growers and breeders who want to evaluate their new plant varieties for low-water use in urban landscapes throughout California. The results of these trials are providing growers and retailers with the information they need to successfully distribute and market these plants to the public. The results are also providing

water agencies and consumers the information they need to choose proven water efficient plant species.

Trials are done separately for sun and shade loving plant species. During the first year of each trial, plants receive a regular watering regime to establish deep, healthy roots. The second year of each trial, plants are irrigated with one of three different irrigation frequencies that correspond to the <a href="Water Use Classification of Landscape">Water Use Classification of Landscape</a>
<a href="Species">Species</a> (WUCOLS IV) categories of Low, Moderate, and High. These categories are based on percentages of reference evapotranspiration with local weather station data used to estimate these percentages. Height and width are measured monthly to calculate a growth index for each species at each irrigation level. Overall appearance, flowering time and duration, and pest or disease problems are rated monthly to provide a comprehensive assessment of performance, allowing irrigation recommendations to be made for these plants. The results of the Trials will be incorporated into WUCOLS, the water industry's leading reference document to gauge ornamental plant water needs.

Organizations funding the research are given the opportunity to choose the plant species to be included in the trials. To that end, staff evaluated the most common species purchased by participants in MWDOC's Turf Removal Rebate Program. These include Kangaroo Paw, New Zealand Flax, Agave, Coral Aloe, Date Palms, Yankee Point, Dymondia, California Fescue, Jade, Aeonium, and Elephant Bush.

Financial contributors to this research have included: nurseries, US Department of Agriculture, the California Association of Nurserymen Endowment for Research and Scholarship, the Elvenia J. Slosson Endowment for Ornamental Horticulture, and the Saratoga Horticultural Research Endowment. UC researchers currently have two USDA grant applications pending. Should these grants be approved, many more plant species will be added to the next cycle of research, greatly expanding the information available to water agencies and consumers.

The cost to include one plant species in a trial is \$1,750. Staff proposes MWDOC fund ten plant species each year for a total of five years. The total cost for the first year is \$17,500. Staff will budget additional funding each year for the next four years.

# **OC Residential End Uses of Water Study**

Staff is proposing to implement an Orange County Residential End Uses of Water Study (End Use Study) for several reasons:

- 1. To improve our understanding of current levels of water use at the residential level;
- Gauge Orange County's compliance with the proposed indoor and outdoor water use standards and better inform the State's current water use standard setting processes;
- Incorporate, for the first time, localized End Use Study results into MWDOC's longterm water demand forecasting efforts; and
- 4. Use Orange County's End Use Study results to inform Metropolitan's Integrated Resources Planning process with actual single-family end use consumption and plumbing fixture saturation data from OC.

# **Background**

Recent water use efficiency legislation: Senate Bills 606 and 555 and Assembly Bill 1668 require the State Water Resources Control Board (Water Board), in coordination with the Department of Water Resources (DWR), to adopt long-term standards for efficient water use (for indoor residential, outdoor landscape and distribution system water loss) on or before June 30, 2022. The bill, until January 1, 2025, established 55 gallons per capita per day as the initial standard for indoor residential water use. The bill also calls for DWR and the Water Board to conduct necessary studies and investigations, and authorizes DWR and the Water Board to jointly recommend to the Legislature a revised standard for indoor residential water use no later than October 1, 2021. Unless DWR and the Water Board recommend a higher standard, beginning January 1, 2025, the indoor standard will be the greater of 52.5 gallons per capita per day and beginning January 1, 2030, the indoor standard will be 50 gallons per capita per day. Further, DWR in coordination with the Water Board are required to conduct necessary studies and investigations to develop recommendations to the Water Board by October 1 for a residential outdoor water use standard that incorporates principles of the Model Water Efficient Landscape Ordinance, 2021.

DWR and the Water Board are in the process of beginning their studies and investigations to evaluate what the future indoor and outdoor residential water use standards will be if different than described above. MWDOC intends to use this study to better inform the state's current indoor and outdoor residential water use standard setting process and gauge Orange County's compliance with the proposed standards.

Incorporate, for the first time, localized End Use Study results into MWDOC's long-term demand forecasting efforts: The Board has recently raised questions about the accuracy of using historical demand projections as a basis of future demand forecasting. The question relates to the impact of years of sustained and successful Water Use Efficiency efforts in Orange County and how the impact of those efforts relate to future water demand projections. The Board has asked that demand projections be reviewed and for staff to evaluate other methods to evaluate future demand trends. The Residential End Uses of Water Study is specifically targeted at reevaluating in-door residential demand capturing the impact of WUE efforts to better inform future demand forecasting analysis. The end-use study will also quantify existing outdoor water usage. Other methods are also under review with the Orange County Sanitation District, to help develop a more complete picture of indoor water demands.

Incorporate Orange County End Use Study results into Metropolitan's Integrated Resources Planning process: Results of the Residential End Uses of Water Study will also be used to inform and assist with MWDOC discussions concerning Metropolitan's Integrated Resources Planning.

# Study Framework

Staff is proposing to conduct an Orange County based investigation of residential water use in partnership with member agencies. The End Use Study will utilize the "Flume" water sensor, which attaches to a typical residential positive displacement water meter. The Flume devices will collect water consumption flow data in 5-second intervals during a 30-day data collection period and will store the data in the cloud. This data will establish a

baseline for indoor water use since indoor water use does not change at different times of year. This data will be coupled with annual consumption data to obtain a clear separation of indoor and outdoor water use throughout the year.

Using the <u>Flume</u> device, the study will be able to disaggregate residential water use into indoor and outdoor volumes. In addition, the Flume device will also allow for disaggregation of indoor residential water use by type of use such as toilet, faucet, shower, clothes washer, leaks, bath, dishwasher, and other.

A total of 200 Flume units will be installed, half in north county and half in south county, allowing for end use data to be incorporated into both demand forecasts. A statistically valid sample of single-family homes within participating member agency service areas will be targeted for Flume installation.

Staff presented the End Use Study concept to the Member Agencies at their January 23 Managers Meeting. While a few agencies raised concerns about encroachment on the metering process and potential use of the results in a way that may be perceived to be harmful to agencies, others expressed interest in participating in the study. In the end, staff agreed to send a description of the study to the agencies for their consideration. Staff is comfortable moving this study forward and obtaining necessary participation by up to six agencies. Should additional agencies express an interest to participate or if participating agencies desire additional Flume installations within their service area to achieve a statistically valid sample size, MWDOC will welcome higher levels of participation but will depend on available funding and may require agencies to contribute financially.

Staff is proposing to contract with Flume as the primary contractor. Flume will provide the Flume water sensors, scheduling, installation and activation, phone support, and data formatting, transformation, and transmission to AutoFlow. Flume will utilize three subcontractors:

- Auto Flow, an Australian based company, who will provide the disaggregation of water use using algorithms and routines to disaggregate raw usage data for each home:
- Western Policy Research who will take the lead on statistical sampling of household participation in the study; and
- Water Demand Management who will provide project coordination, data analysis and report writing.

Per the Administrative Code, this is considered a sole source contract. As such, staff provides the following justification:

- Specialized expertise and experience from Peter Mayer at Water Demand Management. Peter was the lead researcher who performed two Water Research Foundation end use studies in 1999 and 2016;
- The Flume technology is superior to other technologies from both cost, data logging ability, accuracy and cost; and
- The need to complete the research as quickly as possible in order to apply results to Metropolitan's Integrated Resources Planning process.

The total cost for the End Use Study is \$207,250. Staff proposed to fund this study using a combination of budgeted funding from the Water Use Efficiency (\$88,250) and Engineering

Department (\$40,000) and a contribution from the Metropolitan Water District Conservation Credits Program (\$79,000; final approval from Metropolitan is pending).

# **Summary**

In summary, these research efforts are designed to assist agencies in complying with new water use efficiency standards contained in Senate Bills 555 and 606, and Assembly Bill 1668. This research will provide quality data to better inform indoor and outdoor efficiency standards, gauge member agency compliance with proposed standards, and improve long-term demand forecasting for MWDOC and Metropolitan.

As shown in Table 1, the total cost for all three research activities is \$752,750. Staff proposes to use a combination of budgeted research funds (\$75,000), budgeted engineering funds (\$40,000) and budgeted, but repurposed, landscape area measurement funds (\$50,750) for a total MWDOC contribution of \$165,750 or 22 percent for MWDOC's contribution to the three research projects. Repurposed landscape area measurement funding is available because the regional aerial imagery effort led by the Southern California Area of Governments is nearing final development. MWDOC funds will leverage an additional \$587,000 or 78 percent from other funding sources such as Metropolitan, and water suppliers from throughout the state.

Table 1 Summary of Research Projects			
Research Project	MWDOC Contribution	Metropolitan or Other Contributions	Total:
Cooling Tower Study	\$20,000	Other = \$508,000	\$528,000
University of California Landscape Plant Irrigation Trials	\$17,500	Varies	\$17,500
OC Residential End Uses of Water Study	\$128,250	Metropolitan = \$79,000	\$207,250
Total:	\$165,750	\$587,000	\$752,750

# **BOARD OPTIONS**

# Option #1

Staff recommends the Board of Directors approve implementation of research projects as detailed below:

- 1. A contribution of \$20,000 for participation in the Alliance for Water Efficiency Cooling Tower Study,
- 2. A contribution of \$17,500 for participation in the University of California Landscape Plant Irrigation Trials, and
- 3. Implementation of a Residential End Uses of Water Study including:
  - a. Authorize use of MWDOC-budgeted funds totaling \$128,250 and Metropolitan funds totaling \$79,000 for a total of \$207,250

b. Authorize a Professional Services Contract with Flume in the amount of \$207,250.

**Fiscal Impact:** The staff recommendation utilizes budgeted MWDOC funds (\$165,750) and leverages considerable grant and outside funding (\$587,000) for the proposed research projects.

**Business Analysis:** These research efforts are designed to assist agencies in comply with new water use efficiency standards contained in Senate Bills 555 and 606, and Assembly Bill 1668. This research will provide quality data to better inform indoor and outdoor efficiency standards, gauge member agency compliance with proposed standards, and improve long-term demand forecasting for MWDOC and Metropolitan.

### Option #2

The Board consider authorization of proposed research projects individually.

**Fiscal Impact**: There would be reduced budgeted expenditures and reduced leveraging of grant and outside funding.

**Business Analysis:** There would be reduced research to assist member agencies in complying with water use efficiency standards and data to inform MWDOC and Metropolitan demand forecasting.

### Option #3

The Board declines authorization of all proposed research projects.

**Fiscal Impact**: No budgeted expenditures and no leveraging of grant and outside funding.

**Business Analysis:** There would be no research to assist member agencies to comply with water use efficiency standards and no data to inform MWDOC and Metropolitan demand forecasting.

#### STAFF RECOMMENDATION

### Option #1



### **ACTION ITEM** February 19, 2020

**TO:** Board of Directors

FROM: Public Affairs and Legislation Committee

(Directors Yoo Schneider, Barbre and McVicker)

Robert Hunter Staff Contact: Heather Baez

General Manager

SUBJECT: CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) 2020-2022

**BOARD OF DIRECTORS CALL FOR NOMINATIONS - SOUTHERN** 

**NETWORK REGION, SEAT B** 

### STAFF RECOMMENDATION

Staff recommends the Board of Directors discuss and determine if a member of the MWDOC Board of Directors would like to be nominated for the CSDA Board of Directors Southern Network, Seat B.

### **COMMITTEE RECOMMENDATION**

Committee will review this item on February 18, 2020 and make a recommendation to the Board.

### **SUMMARY**

An 18-member Board of Directors elected from its six geographical networks governs CSDA. Each of the six networks (Northern, Sierra, Bay Area, Central, Coastal and Southern) have three seats on the board with staggered three-year terms. Candidates must be affiliated with an independent special district that is a CSDA Regular Member in good standing located within the geographic network they seek to represent.

Budgeted (Y/N): n/a	Budgeted amount: n/a		Core X	Choice
Action item amount: None		Line item:		
Fiscal Impact (explain if unbudgeted):				

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.

CSDA is conducting a Call for Nominations for Seat B – Southern Network. Kathy Tiegs from Cucamonga Valley Water District (CVWD) had been elected to this seat in 2019 for the 2020-2022 term; however, she was not reelected to the CVWD Board, and is therefore ineligible to serve on the CSDA Board of Directors.

### **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 two 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 Procedure:**

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 along with the Nomination Form and Candidate Information Sheet must accompany the nomination.

Deadline for receiving nomination applications is March 6, 2020.

CSDA Southern Network Board Members will conduct interviews of candidates that submit nominations March 9-13, 2020, and will submit a Board appointment recommendation for consideration by the full CSDA Board on March 27, 2020. The newly appointed Board Member for the Southern Network Seat B will take office April 1, 2020.

#### Attached:

CSDA Nomination Form CSDA Candidate Information Sheet

JAN 2 7 2020

MWD OF OC



California Special **Districts Association** 

Districts Stronger Together

DATE:

January 22, 2020

TO:

CSDA Voting Member Presidents and General Managers –

Southern Network

FROM:

CSDA Elections and Bylaws Committee

SUBJECT:

CSDA BOARD OF DIRECTORS VACANCY -

CALL FOR NOMINATIONS: SEAT B - SOUTHERN NETWORK

The CSDA Elections and Bylaws Committee is looking for independent special district Board Members or their General Managers from the Southern Network who are interested in leading the direction of the California Special Districts Association for the remainder of the 2020 - 2022 term, Seat B which is currently vacant.

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 in good standing and located within the Southern Network (see attached CSDA 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, usually 4-5 meetings annually, 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, at minimum, the following CSDA annual events: Special Districts Legislative Days - held in the spring, and the CSDA Annual Conference - held in the summer/fall.
  - (CSDA does not reimburse travel related expenses for the two conferences even if a Board or committee meeting is held in conjunction with the event, however registration fees are covered)
- Complete all four modules of CSDA's Special District Leadership Academy within 2 years of being elected.
  - (CSDA does not reimburse expenses for the Academy classes even if a Board or committee meeting is held in conjunction with the event).

Complete Annual Chief Executive Officer Evaluation.

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 March 6, 2020. Nominations and supporting documentation may be mailed or emailed.

Mail: 1112 I Street, Suite 200, Sacramento, CA 95814

E-mail: amberp@csda.net

Once received, nominees will receive a candidate's letter in the mail. The letter will serve as confirmation that CSDA has received the nomination.

CSDA Southern Network Board Members will conduct interviews of candidates that submitted nominations on March 9 - 13, 2020.

A Board appointment recommendation will be submitted by CSDA Southern Network Board Members for consideration by the full Board on March 27, 2020.

The newly appointed Board Member for the Southern Network Seat B will take office April 1, 2020.

If you have any questions, please contact Amber Phelen at amberp@csda.net.



### 2020-2022 BOARD APPOINTMENT FOR SEAT B SOUTHERN NETWORK NOMINATION FORM

Name of Candidate:
District:
Mailing Address:
Network: SOUTHERN
District Telephone:
Candidate Direct Telephone:
Best Time to Arrange a Call: AM□ PM□ Monday  □ Tuesday  □ Wednesday  □ Thursday  □ Friday  □ Saturday  □
E-mail:
Nominated by (optional):

Return this <u>form and a Board resolution/minute action supporting the candidate</u> <u>and Candidate Information Sheet</u> by mail or email to:

CSDA
Attn: Amber Phelen
1112 I Street, Suite 200
Sacramento, CA 95814
(877) 924-2732 (916) 442-7889 fax
amberp@csda.net

DEADLINE FOR RECEIVING NOMINATIONS - March 6, 2020



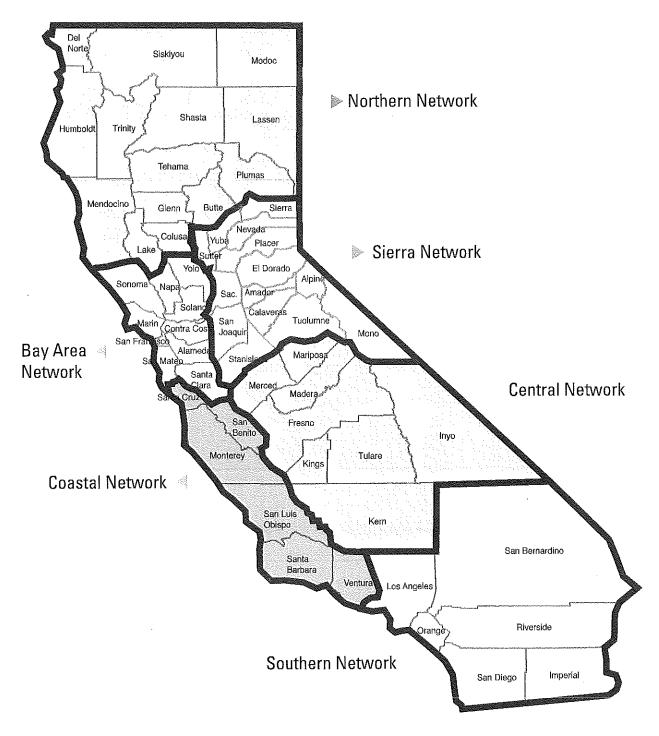
### 2020-2022 CSDA BOARD APPOINTMENT SEAT B SOUTHERN NETWORK CANDIDATE INFORMATION SHEET

The following information MUST accompany your nomination form and Resolution/Minutes:

Ná	ame:
Di	strict/Company:
	tle:
Εŀ	ected/Appointed/Staff:
Le	ngth of Service with District:
1.	Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):
2.	Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):
3.	List local government involvement (such as LAFCo, Association of Governments, etc.):
4.	List civic organization involvement:

<sup>\*\*</sup>Additional Candidate Statement – Please provide an additional statement that includes any personal or professional information that will assist the Board of Directors in making their selections. The preferred formatting for the statement is to be typed with 1-inch margins, 1.5 spacing, 12 pt. Times New Roman font, and no more than 2 pages.





### GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES FEBRUARY 2020

### MWDOC Agencies Managers Meeting

MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on January 24, 2020.

In attendance were: Lisa Ohlund – EOCWD, Dennis Cafferty – ETWD, Mark Sprague – Fountain Valley, Cel Pasillas – Garden Grove, Brian Ragland – Huntington Beach, Paul Cook & Paul Weghorst – IRWD, Paul Shoenberger – Mesa Water, Drew Atwater – MNWD, Steffen Catron – Newport Beach, , Mark Vukojevic – Newport Beach, Mike Markus & John Kennedy – OCWD, Dan Ferons – SMWD, Steve Myrter – Seal Beach, Jerry Vilander – Serrano WD, Joe McDivitt & Rick Shintaku – SCWD, Fernando Paludi – TCWD, Marc Marcantonio – YLWD.

**MWDOC Staff:** R. Hunter, K. Seckel, H. De La Torre, M. Baum-Haley, K. Hostert, J. Berg, C. Lingad, K. Hubbard, D. Micalizzi

### **Agenda Items:**

- CA Draft Water Resilience Portfolio
- Delta Conveyance Notice of Preparation
- MWDOC Budget Schedule
- MET Flower Meter Signal and Controlling Valves
- MET Shutdowns Update
- AWIA Update
- BUC-AQMD Follow-Up
- GPCD Use Trends
- Legislative Reports
- WEROC Matrix
- Grant Funding Opportunities

### The next meeting is scheduled for Thursday, February 20, 2020 at 10:30 a.m.

### **Meetings**

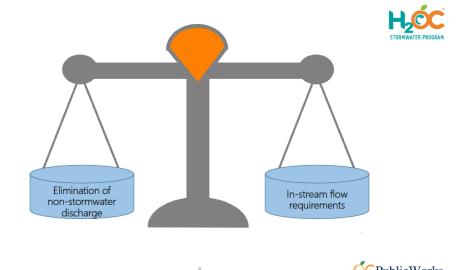
Charles Busslinger and Chris Lingad attended multiple meetings with MET and agencies affected by the January 21<sup>st</sup>-27<sup>th</sup> Diemer Shutdown. Repairs to Diemer were successfully completed and the plant has been returned to service. During return to service operations for the AMP pipeline after the Diemer shutdown, a taste and odor water quality issue developed which resulted in several hours of pipeline flushing of the AMP to clear the issue. The AMP was returned to service following successful resolution of the water quality issue.

Charles Busslinger attended the January 8, 2020 South OC Watershed Management Area (SOCWMA) Flow Ecology Study Workshop.

The SOCWMA committed to implementing a comprehensive Water Quality Improvement Plan (WQIP) in association with the regional stormwater discharge permits (aka. Municipal Separate Storm Sewer System [MS4] permits of the National

### Meetings continued

Pollutant Discharge Elimination System [NPDES] authorized through the Clean Water Act).







The purpose of the workshop was to discuss an element of the WQIP that addresses surface water flows and stream restoration which are referred to as 'Unnatural Water Balance'. The Flow Ecology Study seeks to clarify which flows in the SOCWMA are the result of human activity (such as overwatering) vs. flows that are necessary to foster stream restoration. One issue that remains to be resolved is establishing a baseline that current flows will be measured against. This is a technical challenging effort and staff is continuing to monitor and participate.

Karl Seckel and Charles Busslinger met independently with South Coast Water District and Santa Margarita Water District to discuss the progress on their local projects and to seek input regarding the work MWDOC has been doing with respect to integration of local projects into the regional system and the need for a hydraulic model.

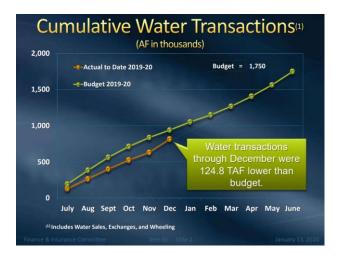
Karl Seckel and Charles Busslinger participated with Joe Berg and others in a discussion regarding an End-Uses Study in Orange County using metering devices manufactured by Flume that are strapped onto the outside of existing water meters to accurately record water use. The water use records can be disaggregated into indoor and outdoor uses and can be apportioned over various in-home water using devices. The information would be useful in helping to understand existing demands and what trends are occurring at this time.

Karl Seckel and Heather Baez participated in the monthly ISDOC meeting where Karl covered the WEROC and Operational Area Report.

# MET ITEMS CRITICAL TO ORANGE COUNTY

### MET's Finance and Rate Issues

Water transactions through December 2019 were 124.8 TAF (or 13%) lower than the Budget. Year to date revenues were \$864.1 million. Metropolitan is projecting Fiscal Year 2019/20 water transactions are expected to be \$197.7 million under budget. Water transactions are anticipated to be 198 TAF lower than the Fiscal Year budget of 1750 TAF potentially resulting in \$214 million less water revenues.



### Colorado River Issues

## Amendment to Agreements with Desert Water Agency and Coachella Valley Water District

Following Board approval at the December Board meeting, on December 11, Metropolitan built on an existing partnership with Desert Water Agency and Coachella Valley Water District by signing the amendment to agreements for the exchange and delivery of water. This comprehensive set of amendments updates existing agreements and will provide greater certainty for water supply and financial planning, simplify program implementation, and improve dry-year water supply reliability. The partnership was recognized in Las Vegas where the agreements were signed by the agency General Managers and attorneys.

### **Bard Water District Seasonal Fallowing Agreement**

Following Board approval at the December Board meeting, on December 20, a landmark, seven-year seasonal land fallowing agreement to conserve Colorado River water to benefit California cities and farms was signed by Metropolitan and Bard Water District. Under this agreement, Bard farmers will forgo planting lower-value, water-intensive crops during spring and summer, receiving a payment of \$452 for each acre fallowed for the season (escalated annually). A portion of this payment will be used by Bard Water District to make needed system improvements. This seasonal fallowing will reduce water consumption in Bard, making more Colorado River water available for Metropolitan to divert or store in Lake Mead. Metropolitan estimates a water savings of 2.0 acre-feet per irrigable acre. Participating farmers will

### Colorado River Issues -- continued

reduce their water consumption through land fallowing of up to 3,000 acres annually between the months of April and July.

### <u>Regional Recycled Water – Potential Partnership</u>

In December, staff of Metropolitan and the Southern Nevada Water Authority (SNWA) shared information with their respective board and advisory meetings about a potential future partnership on Metropolitan's Regional Recycled Water Program. At Metropolitan's Engineering and Operations Committee in December, the possibility of a Letter of Intent between Metropolitan and SNWA was discussed, followed by a meeting at which SNWA described the potential Letter of Intent with its Integrated Resource Planning Advisory Committee 2020. Metropolitan staff will keep its Board apprised of discussion between our two agencies on this matter.

### Bay Delta/State Water Project Issues

### **Delta Conveyance Notice of Preparation**

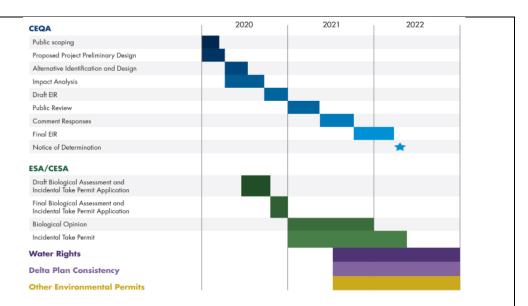
On January 15, California Department of Water Resources posted a Notice of Preparation that will initiate the Environmental Impact Report for the Delta Conveyance Project. Pursuant to the California Environmental Quality Act (CEQA), the California Department of Water Resources (DWR) will initiate the preparation of an Environmental Impact Report (EIR) for the Delta Conveyance Project in the Sacramento-San Joaquin Delta, California.

DWR is the lead agency under CEQA. The Delta Conveyance Project will also involve federal agencies that must comply with the National Environmental Policy Act (NEPA), likely requiring the preparation of an environmental impact statement (EIS). Federal agencies with roles with respect to the project may include approvals or permits issued by the Bureau of Reclamation (Reclamation) and United States Army Corps of Engineers. To assist in the anticipated federal agencies' NEPA compliance, DWR will prepare an EIR that includes relevant NEPA information where appropriate. Once the role of the federal lead agency is established, that federal lead agency will publish a Notice of Intent to formally initiate the NEPA process.

The proposed Delta Conveyance project facilities will have a capacity of 6,000 cubic feet per-second (cfs) combined between two intakes (3,000 cfs each) located along the Sacramento River between South Sacramento and Walnut Grove. Likely alternatives to the proposed project will be considered within the range of 3,000 cfs – 7,500 cfs capacity. The NOP also includes two corridor options for the single tunnel, one within in the central portion of the Delta, and the other in the eastern portion of the Delta.

The chart below illustrates the Delta Conveyance environmental compliance milestones.





### **Agreement in Principle**

State Water Project (SWP) cost/benefit allocation negotiations to establish the Agreement in Principle will determine basic terms for a SWP Contract Amendment to equitably allocate costs and benefits of a potential Delta Conveyance Facility (DCF), which will be part of the existing SWP.

The public negotiations between State Water Contractors (PWA) and DWR occurred between July and November 2019, with negotiations focused on an "Opt-In" approach. Where the PWAs decide whether or not to invest in and receive corresponding benefits from the DCF. On November 15, an Agreement in Principal was reached with support amongst 17 PWAs (92% of Table A) and 12 non-participant PWAs did not support.

DWR expressed concern about operating to two contracts given that 12 contractors did not support the November 15 Agreement in Principle. DWR presented a sixth offer, shifting the focus to an "Opt-Out" approach on December 20. The PWA's are evaluating this latest proposal.

### **Delta Conveyance Design and Construction Authority**

At the January 16, 2020 Delta Conveyance Design and Construction Authority (DCA) reported that the Engineering team continued to complete foundational studies regarding design criteria and alternative siting analyses of the proposed Delta Conveyance Project in support of the release of the NOP. The Engineering team also prepared materials and visualizations for the Stakeholder Engagement Meetings focused on the Intakes and the Intermediate Forebay siting studies.

Field work has been delayed as the DCA awaits the completion of the CEQA process for the geotechnical work and gain clarity on the permitting requirements for the program from the on-going litigation with the Delta Counties. The DCA staff continues to analyze the existing data and enter validated data into their geologic model of the Delta.

The DCA also held its second Stakeholder Engagement Committee meeting in December, where they presented an overview of the CEQA process and reviewed the

key components that comprise the Delta Conveyance Project. They also reviewed a series of maps that can be used to evaluate siting alternatives of project components.

#### **Additional Information**

Additional information on the Bay-Delta Issues can be found in *Issue Brief D - Bay Delta/State Water Project Issues* of the Discussion Item regarding Metropolitan Water District items critical to Orange County.

### **ENGINEERING & PLANNING**

### Doheny Ocean Desalination Project

On October 30, 2019, South Coast held a workshop on a Peer Review Cost Estimate for the Doheny Desal Project. Rich Svindland, of California American Water (CalAm), who helped develop the 6.4 MGD Monterey Ocean Desal Project using slant well technology, completed a peer review cost estimate for the Doheny Ocean Desal Project. The CalAm review of the previous Doheny Desal cost estimate by GHD indicated some differences in capital and operating costs including a higher level of staffing for the plant as suggested by CalAm. Overall the cost differences resulted in estimated increased costs:

- Capital costs were estimated at 5.4% higher
- O&M costs were estimated at 15.8% higher
- Overall, the unit cost of water increased from \$1556 per AF to \$1805 per AF, an increase of \$249 per AF, an overall increase of about 16.0%

South Coast WD's Board has voiced their opinion that a 5 MGD project provides too much water and is beyond the ability of South Coast WD to shoulder by themselves. Without other partners, they may consider a plant size as small as 2.0 mgd without any oversizing to protect the potential for an ultimate 15 mgd project. The use of excess recycled supplies potentially to be blended with ocean supplies was also discussed with the Latham wastewater plant in near proximity to the Doheny Desal Project.

### **Next Steps by South Coast WD:**

- 1. Look for partners
- 2. High Level Schedule (has slipped a bit due to the Regional Board schedule)

a. Environmental permitting Late Summer 2020

b. DBOM Contract Develop Early 2020
c. DBOM Contract Award Early 2021
d. Construction Completion Early 2023

### MET 2019-20 Shutdown Schedule

MWDOC staff have held many meetings with MET and MWDOC member agencies since July 2019 to review the extensive MET 2019-2020 Shutdown Schedule. The January 21-27, 2020 Diemer shutdown has been completed and the plant has returned to service.

MWDOC is currently working with MET and affected agencies on the February 9 – 16, 2020 West Orange County Feeder (WOCF) shutdown which was rescheduled to accommodate the Diemer shutdown.

MET 2019- 20 Shutdown Schedule continued	The WOCF shutdown is needed to replace 13 primary isolation valves between the OC/LA County Line in Fullerton down to the connection with the OC Feeder in Anaheim. These valves are past their useful life.
SMWD Rubber Dams Project (San Juan Watershed Project)	Santa Margarita WD continues to focus on diversifying its water supply portfolio for south Orange County residents, businesses, schools, and visitors. On June 21, 2019, the San Juan Watershed Environmental Impact Report (EIR) was approved.  The original project had three Phases; Phase 1 was three rubber dams recovering about 700 AFY; Phase 2 added up to 8 more rubber dams with the introduction of recycled water into the creek to improve replenishment of the basin for up to 6,120 AFY, and Phase 3 added more recycled water topping out at approximately 9,480 AFY. Under this arrangement, most or all of the production and treatment involved the existing San Juan Groundwater Desalter with expansions scheduled along the way to increase production over 5 mgd. Fish passage and regulatory hurdles to satisfy subsurface travel time requirements are presenting some difficulties.  SMWD is working with the Ranch on the next phase of development within SMWD and have access to riparian groundwater from the Ranch. Furthermore, they have discovered that the local geology has high vertical percolation rates and sufficient groundwater basin travel time to potentially allow percolation of treated recycled water. SMWD is of opinion that groundwater production and treatment of the groundwater can be initiated in a relatively short time-frame while permitting for percolation augmentation using recycled water from the nearby Trampas reservoir can be added as permitting allows. They believe the new project area may be able to ultimately produce 4,000 to 5,000 AF per year; they believe the original project will continue to be developed for production out of the wells and treatment provided by San Juan Capistrano as the two agencies merge. Ultimate production out of the basin could exceed 10,000 AF per year if all goes well.
SOC Workshop- Local Supply Integration	Multiple water supply projects are currently under consideration in Orange County which include desalinated water, percolation of treated recycled water, and capture of stormwater into groundwater basins for subsequent pumping and treatment. Without proper planning, the possible integration of multiple treated water sources into the OC water distribution system at various points, or simply the reduction in demands, could result in unintended water quality consequences. A presentation was made at the February 3, 2020 Planning & Operations Committee meeting which showed the progress of investigation efforts for development of a Hydraulic Model of the regional distribution pipeline system in Orange County.  Staff and consultants have been working on identification and understanding of key issues, and development of strategic pathways toward solutions, for the successful integration of multiple local water supply sources into the OC distribution system; prior to the time these projects are implemented.  As part of these efforts, on May 16, 2018 the Board authorized the General Manager to enter into contracts with water quality consultants Black & Veatch and Hazen & Sawyer for their participation in a scoping workshop on local water supply integration issues.  On August 31, 2018 MWDOC held a Water System Operations and Integration Workshop which was attended by both consulting firms, technical staff from multiple

### SOC Workshop-**Local Supply** Integration continued

OC water agencies, MET technical staff and other water quality/water operations experts. The collaborative discussion identified a number of potential issues that could arise within the OC water distribution system resulting from the introduction of multiple sources of water over time.

On October 18, 2018 MWDOC staff met with MET Facility Planning staff to understand the various uses MET has for their hydraulic model and to understand the benefits of such a model. MET shared their background, some of their experiences, and lessons learned with MWDOC staff.

On November 21, 2018 the Board approved development of two White Papers to review and provide recommendations concerning potential water quality issues identified in the August 31, 2018 workshop. Ed Means Consulting was brought in to help guide the water quality review effort.

	The White Papers included 13 recommendations:			
SC	OPE	EXPECTED OUTCOME		
1.	Develop & Utilize Base Hydraulic Model	<ul> <li>Determine flow routing and seasonal variations</li> <li>Identify system pressures</li> <li>Predict water age</li> <li>Identify areas experiencing flow reversal</li> </ul>		
2.	Examine Groundwater Pump Back Well Siting	Identify preferred locations for new wells		
3.	Evaluate Operational Scenario Study	<ul> <li>Define operation of proposed facilities         Identify facilities needed to manage flows, pressures, system control.         Determine impact on operation of existing facilities (i.e. Diemer)         Determine impact on Member Agency operations         Inform detailed hydraulic modeling analyses     </li> </ul>		
4.	Develop Conceptual Design Report	<ul> <li>Define new facilities needed for supply integration         Identify modification to existing facilities needed to accommodate new supplies, proposed operations, management of water quality     </li> <li>Define cost of facilities</li> <li>Provide basis of final design</li> </ul>		
5.	Conduct Bench Scale Testing	• Determine disinfection residual decay rates to inform modeling evaluation, determination of disinfection management facility needs.		
6.	6. Hydraulic Modeling Based Analyses would include:			
	6A. Water Age	<ul> <li>Predict locations of concern for disinfection residual decay</li> <li>Locate disinfection management facilities</li> <li>Assess concentrations of other constituents</li> </ul>		
	6B. Reverse Flow	<ul> <li>Identify locations expected to experience reverse flow</li> <li>Develop strategy to address concerns for areas expected to experience reverse flow</li> </ul>		
	6C. Piping/Water Interaction	<ul> <li>Predict locations in OC where new water supplies will interact with pipe materials of concern</li> </ul>		

SOC
Workshop-
<b>Local Supply</b>
Integration -
continued

6D. Assess
Impacts on
wastewater
and water
recycling
facilities
6E.Agricultura
1/ Horticultural
Impacts

7. Preparation of

Engineering Reports
8. Bench and

Pilot Testing (pipe loops)
Aesthetics

**Testing** 

- Predict locations in sewersheds that will be supplied with new water supplies
- Determine if change in constituent loading from new water supply has adverse effect on facility operation and regulatory compliance
- Predict locations in OC where new water supplies would impact agriculture/horticulture
- Identify strategies to mitigate areas of concern
- Necessary operating permit DDW
- Identification of Conditions to minimize corrosion outcomes
- Conduct consumer taste tests with desalinated water vs. blends

### Hydraulic & Water Quality Model Investigation

On April 17, 2019 the Board authorized the General Manager to enter into a professional services agreement with Black & Veatch Corporation to investigate the feasibility of regional distribution hydraulic and water quality model and provide recommendations for development of such a model for the pipeline distribution system in Orange County. The investigation includes:

- Review existing available OC distribution system information and ranges of future supply and demand flow scenarios from MET/MWDOC; then to identify and document gaps necessary for development of the hydraulic model.
- 2. Identify stakeholder hydraulic modeling needs and MET requirements to successfully model the integration of "other sources of water" from local water projects into the OC distribution system while maintaining high quality water. The Consultant will assist with prioritizing the identified hydraulic and water quality needs.
- 3. Develop a software specification that incorporates the identified hydraulic and water quality modeling needs into model requirements.
- 4. Conduct a software review and identify software products that match the software specification.
- 5. Prioritize software products based upon model requirements and recommend a 'best fit' for MWDOC's future uses.
- 6. Define scopes of work and associated cost estimates for purchasing and implementing the modeling software with a recommended implementation plan and alternatives. The plan alternatives are then to be documented in an OC Hydraulic Model Investigation Report.

### **South Orange County Workshop**

On November 6, 2019 MWDOC held a Regional System Planning & Local Water Supply Integration Workshop with South Orange County member agencies. The workshop discussed a variety of issues including:

- Extension/Expansion of South Orange County Emergency Service Program
- Additional Options for Emergency Water for South OC

### SOC Workshop-Local Supply Integration – continued

- Expert Panel Discussion on potential water quality impacts from the integration of various source waters
- Solicited feedback from member agencies on hydraulic & water quality model options

Based upon the feedback from SOC member agencies, some efforts were generally believed to make sense moving forward with, and others were deemed premature or very project specific and might be handled at a future time when more information is available; and possibly at the cost of the project proponent. Takeaways from the hydraulic modeling discussion included:

- 1. Development of a model was generally seen as valuable.
- 2. The approach to modeling should focus on South County needs since the Huntington Beach Poseidon Project future is unclear. Modeling efforts should focus on south county issues and potential pump back projects into the EOCF#2. Santa Margarita WD suggested consideration of modeling via mass balance/spreadsheet tools, before embarking on hydraulic/water quality modeling. We are currently evaluating whether it would be better to use a hydraulic model to serve the purpose/need suggested by SMWD (which would require additional effort to implement), vs. expending effort to develop spreadsheet tools which may be lost if that effort does not contribute/integrate to the long term hydraulic model. SCWD also is slated to do an "Integration Study" for Doheny desalination project which could rely on an OC hydraulic model.
- 3. Key issue regarding EOCF#2 shared ownership all owners want to be involved in discussions regarding how the pipeline could be used and assurance that if used for certain purposes (e.g. OCWD pump back), that other uses aren't curtailed without active involvement (IRWD expressed this concern).

### **North Orange County Workshop**

A second workshop is scheduled for February 20, 2020 with the North OC member agencies at the MWDOC Agencies Managers Meeting to provide an update on the work to date.

### **Investigation Report**

The final OC Hydraulic Model Investigation Report is expected by the end of February 2020. Staff will be returning to the P&O Committee next month with a recommendation to move forward with the purchase of a hydraulic model software package and to develop a hydraulic model for the OC Distribution system

### South Orange County Emergency Service Program

MWDOC, IRWD, and Dudek have completed the study to determine if the existing IRWD South Orange County Interconnection capacity for providing emergency water to South Orange County can be expanded and/or extended beyond its current time horizon of 2030. The options considered appeared to be cost-prohibitive to the SOC agencies, except for the installation of Variable Speed Drives at the IRWD pump station that sends water to South Orange County. IRWD is pursuing more work that could open up options in the future depending on the outcome of the studies.

Dudek participated in the November 6 SOC workshop to re-engage with the SOC agencies on this project. Support from the agencies was expressed to take a small

South Orange County Emergency Service Program - continued	next step to install Variable Frequency Drives at a pump station within IRWD which would be paid for by SOC to help move water from the IRWD system to SOC in an emergency. The Variable Frequency Drives will provide more flexibility to the IRWD operations staff to allow additional water to be sent to SOC while meeting all of the IRWD needs.
Strand Ranch Project	Staff from MWDOC and IRWD are still discussing how to capture the benefits that can be provided by the development of "extraordinary supplies" from the Strand Ranch Project. A meeting is scheduled for Feb. 14 <sup>th</sup> to further exchange ideas on how to implement the program.
Poseidon Resources Huntington Beach Ocean Desalination Project	The Santa Ana Regional Water Quality Control Board (SARWQCB) continues to work with Poseidon on renewal of the National Pollutant Discharge Elimination System (NPDES) Permit for the proposed HB Desalination Project.  At the December 6, 2019 SARWQCB meeting in Huntington Beach, Regional Board staff conducted a workshop on the renewal of the NPDES permit for the proposed desalination facility. Along with the NPDES permit renewal, the facility requires a California Water Code section 13142.5(b) determination in accordance with the State's Ocean Plan (a.k.a. the Desalination Amendment). The workshop reviewed the proposed facility, the draft renewal of the NPDES permit, and the associated draft Water Code section determination. To make a determination consistent with the Desalination Amendment the Regional Board is required to analyze the project using a two-step process:  1. Analyze separately as independent consideration a range of feasible alternatives for the best available to minimize intake and mortality of all forms of marine life:  a. Site  b. Design  c. Technology  d. Mitigation Measures  2. Then consider all four factors collectively and determine the best combination of feasible alternatives.  Regional Board staff reviewed hundreds of documents and input from both an independent reviewer and a neutral 3rd party reviewer to develop the tentative Order and proposed Water Code section 13142.5(b) determination.  The key areas required by the Ocean Plan on which the Santa Ana Water Board is required to make a determination, includes:  • Facility onshore location;  • Intake considerations including subsurface and surface intake systems;  • Identified need for the desalinated water;  • Concentrated brine discharge considerations;  • Calculation of the marine life impacts; and  • Determination of the best feasible mitigation project available

### Poseidon Resources Huntington Beach Ocean Desalination Project continued

In evaluating the proposed project, Santa Ana Regional Board staff interpreted "the identified need for the desalinated water" as whether or not the project is included in local area water planning documents, rather than a reliability need as analyzed in the OC Water Reliability Study. The Regional Board staff referenced several water planning documents; Municipal Water District of Orange County's (MWDOC) 2015 Urban Water Management Plan (UWMP), the OC Water Reliability Study, OCWD's Long Term Facilities Plan, and other OCWD planning documents in their evaluation of Identified Need.

The workshop was heavily attended. There were a considerable range of views expressed at the meeting. Several of the SARWQCB members were somewhat confused about the evaluation of Identified Need for the project (inclusion in local water planning documents vs. an identified reliability need for the project) and requested staff to help them understand the issue better.

It is anticipated that The Regional Board will issue the final permit at the April 3, 2020 meeting

Assuming success, Poseidon would then seek its final permits from the California Coastal Commission (CCC). The CCC has committed to reviewing the permit within 90 days of the SARWQCB NPDES permit issuance (CCC permit issuance estimated to be Summer 2020).

The latest information is for the SARWQCB to conduct a meeting on March 13 where both MWDOC and OCWD have been invited to participate regarding the "need" for the Poseidon Project. The definition of "need" varies between the 2014 Ocean Plan Amendment definition where the project must be included in an Urban Water Management Plan or other planning document to a more conventional definition of "need" being from a supply reliability perspective.

### Trampas Canyon Dam and Reservoir

Construction of Trampas Canyon Dam and Reservoir by SMWD, Orange County's largest recycled water reservoir, is on track to be completed in the summer of 2020. The 5,000 AF reservoir will store recycled water in low demand months to provide supplies to SMWD and other agencies in the summer periods. The dam and pipeline phase of the project is 73% complete. The pump station construction contract was award to Kingmen Construction on November 22, 2019 for \$3.356 million. Substantial completion of the pump station is anticipated August 31, 2020.

### EMERGENCY PREPAREDNESS

### WEROC Coordination

On January 13, 2020, Vicki Osborn joined the team as the Director of Emergency Management.

Vicki presented the Draft WEROC Budget to the funding agencies on January 29<sup>th</sup>. This provided an opportunity for the funding agencies to ask questions about the budget and suggest any needed program support. Vicki and Karl will be meeting with those agencies who were unable to attend separately in February.

### WEROC Coordination continued

WEROC Quarterly Meeting was held February 4<sup>th</sup>. Items on the agenda included California Office of Emergency Services (CalOES) and Dam Planning and Compliance Assistance, AWIA update, Hazard Mitigation and the readiness initiative for the WEROC program as the new Director develops the strategic plan for the organization.

On January 29<sup>th</sup>, water agencies were invited to view a demo on tiger dam products.

Daniel has completed the creation of a Cyber Information Sharing Distribution list. WEROC will continue inform member agencies to threat trends when information from the Orange County Intelligence and Assessment Center (OCIAC) or other member agencies is received.

Janine is working with member agencies on updating the AlertOC mass notification user agreement and performing an audit on users training credentials.

### Coordination with the County of Orange and outside agencies

Daniel attended the January OCEMO meeting held at Cal State Fullerton Arboretum. Operational Area (OA) EOC Director Donna Boston from the Emergency Management Division (EMD) provided an overview of the Emergency Management Division projects and goals for 2019. Other presentation topics included OA Managers Report, Grant Updates, CalOES report, and Sub-committee updates.

Vicki is working with CalOES Mitigation and Dam Safety Division and the County/OA on a tool to assist agencies responsible for dam safety compliance and creation of Emergency Response Plans. A presentation on this subject is occurring at the WEROC Quarterly Meeting.

CalOES Southern California Catastrophic Earthquake Planning Officer reached out to Vicki for assistance with compiling a dataset of all water agencies within Orange County and the Southern California Regional Area. Additionally, Vicki has been invited to participate in a California Emergency Support Functions (CA-ESFs) workshop in March where all of the multimodal transportation system partners will be together for the first time, to discuss corridor access and commodity movement task force operations for a catastrophic event. California ESFs consist of 18 primary disciplines or activities essential to addressing the emergency management needs of communities in all phases of emergency management. Led by a State agency, each CA-ESF is designed to bring together discipline-specific stakeholders at all levels of government to collaborate and function within the four phases of emergency management: mitigation, preparedness, response, and recovery. At the state level, the CA-ESFs consist of an alliance of State agencies, departments, and other stakeholders with similar discipline-specific responsibilities. This grouping will allow each CA-ESF to collaboratively mitigate, prepare for, cohesively respond to, and effectively recover from an emergency. Vicki's focus at this workshop will be ensuring water/waste water critical needs are heard and received.

	T
America's Water	WEROC continues to support California Water/Wastewater Agency Response Network (CalWarn). Janine and Leah are updating the CalWarn contact lists. These lists are vital during any event, large or small requiring mutual assistance. WEROC and its consultant, Herndon Solutions Group (HSG) are continuing to work with the WEROC agencies to achieve compliance with America's Water
Infrastructure	Infrastructure Act (AWIA). AWIA requires utilities to conduct a Risk and
Act (AWIA)	Resilience Assessment (RRA) of their community water systems and develop a
	corresponding Emergency Response Plan (ERP) by March 31, 2020, for systems serving a population of 100,000 or more and for later dates for smaller agencies.  New Actions:  • 25 Agencies participated in the Phase 1 Compliance Crosswalk  • All Phase 1 Crosswalks were developed and provided to agencies and Phase I was completed in October 2019. The crosswalks remain a draft
	as agencies work through the Phase 2 and Phase 3 processes.
	<ul> <li>There are 23 agencies participating in the Phase 2 Risk and Resilience Assessment and Phase 3 Emergency Response Plans.</li> </ul>
	<ul> <li>Workshops with the agencies are two-day events with key staff from each of the agencies to complete the asset and threat characterization. A second workshop completes the consequence and vulnerability analysis. The combination of these workshops provide the basis for completion of the Risk and Resiliency Assessment (RRA).</li> </ul>
	<ul> <li>Workshops have been completed for all of the larger agencies with a due date of March 2020, and these Tier I agencies are in process of receiving and reviewing their RRA. Phase III, the Emergency Response Plans, are due 6 months later in September 2020 and work will be beginning on those.</li> <li>Tier II Agencies (RRA Due December 2020) will begin Phase II in</li> </ul>
	March with scheduling of their RRA Workshops.
Hazard	WEROC continues to follow-up with the 19 member agencies who participated
Mitigation	in the 2018 update of the Orange County Water and Wastewater Multi-
Planning	Jurisdictional Hazard Mitigation Plan. There are only three (3) agencies from whom we have not received their agency resolution letters formally adopting the plan. Once this step is completed, the plan will be sent back to FEMA for closeout on the certification process.
PSPS Events	On-going: California Public Utilities Commission (PUC) proceedings regarding the Impacts from De-Energization with a Focus on First Responders and Local Government. MWDOC has received Party Status to these proceedings. Party Status was intended to ensure that we receive all communications regarding the proceedings and that our comments are included officially for consideration. Vicki is monitoring the release of any documents for review and comment over the next few months.
	Vicki has been working with both SCE and SDGE in January to establish a collaborative partnership in her new position. She has been added to their notification lists, and will be working with agencies impacted by the PSPS program to update their contacts points and critical infrastructure.

### On January 22<sup>nd</sup>, Vicki attended the SCE PSPS Water Utilities Resiliency **PSPS** Events continued Workshop in Ventura. This workshop provided an overview on the current SCE programs, updated processes, communication procedures, and presentation on lessons learned from 2019 PSPS events from Kern River Valley Water District. Janine Schunk and Daniel participated in the OA and MET radio tests and **EOC** WebEOC tests. **Readiness** Janine is working to register the new WEROC/MWDOC EOC generator and obtain insurance. Daniel completed the installation required for towing capabilities. Carryover to February. Daniel is working with the vendor on the replacement antenna to repair our satellite rooftop antenna. Janine completed updates to Safety Center, the Concept of Operations Plan (COOP), and WEROC contact lists. WEROC is hosting two radio user classes on February 19 and February 27<sup>th</sup>. **Training and** Orange County Sheriff's Department Communication Division is teaching the **Exercises** course. Vicki and Daniel participated in the annual County EOC Earthquake Functional Exercise on January 30<sup>th</sup>. The exercise was based on a 6.7 earthquake on the Chino Hills Fault impacting the east side of Orange County. The objectives on this exercise focused on coordination and communication including an activation of the Joint Information Center used for media outreach. In March, WEROC will include an action items list in its Planning and Operations Committee Report. On April 29<sup>th</sup>, WEROC and partner agencies will be participating in a Prado Dam Failure Tabletop Exercise being conducted by the United States Army Corps of Engineers (USACE). Vicki is currently transitioning her teaching credentials at the state level. Once completed, the Training and Exercise Program Plan will be revised based on the assessment and needs identified at the WEROC Quarterly Meeting. WATER USE EFFICIENCY

Irvine Ranch
Water District
(IRWD)
Water
Resources
Policy and
Communications
Committee
Meeting

On January 9, Joe Berg attended the IRWD Water Resources Policy and Communications Committee meeting. Of notable interest on the agenda were the results of a study of IRWD's Future Potential Water Efficiency. Staff presented a series of study findings of past activities and future recommendations. IRWD will use these results to focus promotional activities and emphasis on specific savings opportunities to have the greatest water savings benefits moving into the future.

Orange	On January 14, Joe and Rachel Davis hosted the Orange County Water Loss Control
County	Workgroup meeting at MWDOC. Approximately 31 agency staff attended this
Water Loss	meeting. Items on the agenda included:
Control	• Updates on:
Workgroup	Technical Assistance Exhibit A
Meeting	<ul> <li>State Water Loss Standards</li> </ul>
1,10001118	NO-DES Distribution System Flushing
	77 50 1
	Discussion and Questions
	The next workgroup meeting is scheduled for March 10 at MWDOC.
Metropolitan	On January 16, MWDOC WUE staff participated via conference call in
Water	
	Metropolitan's Water Use Efficiency Workgroup meeting. Approximately 30
District of	member agencies participated in the meeting. Agenda items included:
Southern	January Metropolitan Board Presentations
California	<ul> <li>Conservation Updates</li> </ul>
(Metropolitan	Council for WaterShed Health
) Water Use	<ul> <li>School Conservation Pilot Program</li> </ul>
Efficiency	Member Agency Roundtable
Workgroup	Metropolitan Involvement in Leak Detection/Budget Based Rates
Meeting	Metropolitan Outreach Updates
	The next workgroup meeting is scheduled for February 20 at Metropolitan.
California-	On January 21, Rachel D. and Jason Thorsell attended a CA-NV AWWA Water
Nevada	Loss Control Workshop held in Escondido. Topics covered in the workshop
American	
American Water Works	included compiling a water balance, component analysis, water supplied, authorized
Water Works	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue
Water Works Association	included compiling a water balance, component analysis, water supplied, authorized
Water Works Association (CA-NV	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue
Water Works Association (CA-NV AWWA)	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue
Water Works Association (CA-NV AWWA) Water Loss	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue
Water Works Association (CA-NV AWWA) Water Loss Control	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue
Water Works Association (CA-NV AWWA) Water Loss	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue
Water Works Association (CA-NV AWWA) Water Loss Control Workshop	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.
Water Works Association (CA-NV AWWA) Water Loss Control Workshop	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick-	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick- off Meeting	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection Survey.
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick-	Included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection Survey.  On January 23, January 30, and February 6, MWDOC WUE staff organized and
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick- off Meeting  Qualified Water	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection Survey.  On January 23, January 30, and February 6, MWDOC WUE staff organized and hosted the first three sessions of QWEL training. The training was held at
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick- off Meeting  Qualified Water Efficient	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection Survey.  On January 23, January 30, and February 6, MWDOC WUE staff organized and hosted the first three sessions of QWEL training. The training was held at MWDOC, and 23 landscape and water professionals were in attendance. The
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick- off Meeting  Qualified Water Efficient Landscaper	included compiling a water balance, component analysis, water supplied, authorized consumption, and apparent loss and real loss, with an emphasis on non-revenue water.  On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection Survey.  On January 23, January 30, and February 6, MWDOC WUE staff organized and hosted the first three sessions of QWEL training. The training was held at MWDOC, and 23 landscape and water professionals were in attendance. The remaining three classes of this series will be held at MWDOC on February 13,
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick- off Meeting  Qualified Water Efficient Landscaper (QWEL)	on January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection Survey.  On January 23, January 30, and February 6, MWDOC WUE staff organized and hosted the first three sessions of QWEL training. The training was held at MWDOC, and 23 landscape and water professionals were in attendance. The remaining three classes of this series will be held at MWDOC on February 13, February 20, and February 27. On February 4, Beth Fahl coordinated the setup of
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick- off Meeting  Qualified Water Efficient Landscaper	On January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection Survey.  On January 23, January 30, and February 6, MWDOC WUE staff organized and hosted the first three sessions of QWEL training. The training was held at MWDOC, and 23 landscape and water professionals were in attendance. The remaining three classes of this series will be held at MWDOC on February 13, February 20, and February 27. On February 4, Beth Fahl coordinated the setup of the first of six QWEL class sessions at the Irvine Ranch Water District (IRWD)
Water Works Association (CA-NV AWWA) Water Loss Control Workshop  Seal Beach Leak Detection Survey Kick- off Meeting  Qualified Water Efficient Landscaper (QWEL)	on January 22, Joe, Rachel D., and Jason met with staff from the City of Seal Beach to discuss details, develop a schedule, and kick-off the City's Leak Detection Survey.  On January 23, January 30, and February 6, MWDOC WUE staff organized and hosted the first three sessions of QWEL training. The training was held at MWDOC, and 23 landscape and water professionals were in attendance. The remaining three classes of this series will be held at MWDOC on February 13, February 20, and February 27. On February 4, Beth Fahl coordinated the setup of

Data	On February 5, Rachel Waite participated in a conference call organized by San	
Collaborative	Antonio Water Systems data research staff. The call was the kick-off of an effort to	
Conference	increase information sharing among water data analysts or other applicable water	
Call	agency staff, and to promote collaboration on projects. Approximately six agencies	
	participated. The next conference call is scheduled tentatively for May 2020.	
Orange	On February 6, Joe, Beth, Rachel D., Rachel W., and Steve Hedges hosted the	
County	Orange County Water Use Efficiency Coordinators Workgroup meeting at	
Water Use	MWDOC. Approximately 21 agencies participated in the meeting. Highlights on	
Efficiency	the agenda included:	
Coordinators	MWDOC Updates	
Workgroup	Agency Roundtable/Problem Solving	
Meeting	Public Affairs/Marketing	
	Sustainable Landscapes in Commercial and Industrial Properties	
	<ul> <li>Presentation from Pacific Institute</li> </ul>	
	Water Budgets Assistance	
	<ul> <li>Presentation from Santa Ana Watershed Project Authority</li> </ul>	
	Metropolitan Update	
	Leak Detection	
	Board Update	
	Water Loss Control Program Update	
	Water Use Efficiency Programs Update	
	Water Demand Trends	
	The next meeting is scheduled for March 5 at MWDOC.	
Aliso Creek	On February 10, Rachel W. and Charles Busslinger met with the staff from the	
Watershed	County of Orange and the Southern California Water Research Project (SCWRP) to	
and Flow	discuss MWDOC's submitted feedback to the Aliso Creek Watershed Collaboration	
Ecology	Workgroup and Flow Ecology Study meetings that were held on January 8, 2020.	
Study	County and SCWRP staff provided further information and clarification on the	
Meeting	studies and research that is being conducted in south Orange County.	
Discussion		
Neutral	On February 11, MWDOC coordinated a Neutral Output Discharge Elimination	
Output	System (NO-DES) Distribution System Flushing demonstration for Member	
Discharge	Agencies. The City of Orange hosted this demonstration at its water yard, and 30	
Elimination	staff from five member agencies participated. The purpose of this demonstration	
System (NO-	was to introduce member agency staff to the process and provide information about	
DES)	MWDOC's Water Loss Control Shared Services opportunities.	
A 111 C	O F1	
Alliance for	On February 11, Rachel W. participated via conference call in the Alliance for	
Water	Water Efficiency Research Committee Meeting. Highlights on the agenda included:	
Efficiency	New Committee Chair	
Research	Research Committee Activity	
Committee	o AMI Workgroup	
Meeting	EM&V Workgroup	
	Committee Member Research Activity	
	Committee Member Research Interests and Ideas	
	<ul> <li>Committee Member Research Interests and Ideas</li> <li>Efficacy of National Standards</li> </ul>	
	Committee Member Research Interests and Ideas	

Alliance for
Water
<b>Efficiency</b>
Research
Committee
<b>Meeting</b>
continued

- o Drought Restrictions Study Launch
- Cooling Technology Project
- Tracking Tool Version 4 Update
- CalWEP Research and Evaluation Committee
- Other Business/Updates

The next meeting is tentatively scheduled for April 8.

### PUBLIC/GOVERNMENT AFFAIRS Public Affairs Staff: Member Prepared materials for the MWDOC member agency toolkits on PFAS and **Agency** the Westminster Pocket Park **Relations** Began planning and preparation for the February 20 Public Affairs Workgroup Began preparation for the 2020 Water Awareness Poster Contest Attended the Water Use Efficiency Coordinators meeting and provided a Public Affairs update Attended the Tiger Dam Emergency Flood Barrier Demonstration Governmental Affairs Staff: Coordinating with Joe Berg, reached out to cities in Orange County reminding them to file missing Model Water Efficiency Landscape Ordinance (MWELO) reports. Sent information including links to file MWELO reports to various cities in the county Public Affairs Staff: **Community** Coordinated, facilitated, and staffed the January 11 Girl Scouts Water Relations Resources and Conservation Patch Program with El Toro Water District Provided Orange County Sanitation District with information regarding **MWDOC Scouts Programs** Public Affairs Staff: Education Participated in the Metropolitan Water District of Southern California **Education Coordinators meeting** • Participated in the 2-day Department of Water Resources Water Education Committee Meeting in Santa Barbara Participated in the Youth Employment Services Program mock interviews for Costa Mesa High School seniors Presented at the OC STEM Initiative Lunch and Learn for Orange County educators and administrators Participated in the California Water Energy Education Alliance (WEEA) Leadership Roundtable meeting hosted at Los Angeles Department of Water and Power Coordinated MWDOC High School Program observation with South Coast Water District and Bolsa Chica Conservancy at Dana Hills High School Provided MWDOC High School Program contractor, Bolsa Chica

Conservancy, with member agency education contacts

### **Education -**Provided information and resource support to Bolsa Chica Conservancy, continued East Orange County Water District, City of Tustin, City of San Juan Capistrano, City of Santa Ana, Santa Margarita Water District, City of Brea, and City of Westminster regarding MWDOC High School Program Coordinated MWDOC Elementary School (K-2 and 3-6) Program observations with Shows That Teach, Discovery Cube Orange County, City of Westminster, and Moulton Niguel Water District Provided MWDOC Water Education School Program observer survey to Moulton Niguel Water District for both K-2 and 3-6 programs Provided MWDOC Water Education School Program contractors— Shows That Teach, Discovery Cube Orange County, and Bolsa Chica Conservancy—with grade-band specific program flyers for promotional use Responded to teacher interest form requests submitted through MWDOC School Program webpage and coordinated visit approval with Shows That Teach, Discovery Cube Orange County, City of Westminster, Moulton Niguel Water District, and Santa Margarita Water District Responded to teacher interest form request submitted through MWDOC School Program webpage and provided information and appropriate contact for Irvine Ranch Water District and City of Fountain Valley Provided Water Industry Careers Flyer to Bolsa Chica Conservancy to assist students in their 3<sup>rd</sup> school program visit presentations Worked with education partners State Education and Environment Roundtable and Orange County Department of Education's Inside the Outdoors, and ProjectWET, to provide South County teacher with additional resources to help integrate the MWDOC Water Awareness Poster Contest into two schools Provided FY 2018/19 actual student counts to City of Santa Ana Provided MWDOC Elementary School and Middle School program information to the City of Fountain Valley Provided Santa Ana school teacher representing the Westminster School District with information on MWDOC Water Education School Programs Participated in two (2) California Environmental Literacy Initiative Leadership Council meetings Continued to rework MWDOC school program goals Spoke with North Orange County Regional Occupational Program Manager about developing a survey for Orange County water and wastewater utilities to identify workforce needs **Public Affairs Staff:** Media Coordination of Orange County Register OC Water Reliability sponsored **Relations** content feature Developed and published February eCurrents newsletter Developed and submitted news release announcing Vicki Osborn as the new MWDOC Director of Emergency Management Public Affairs Staff: **Special** Participated in several meetings with Directors and Orange County Water **Projects** District Staff in preparation for the 2020 OC Water Summit

### Special Projects -continued

- Continue to secure speakers and sponsors for the OC Water Summit
- Prepared and presented Public Affairs Goals and Objectives for 20/21 and beyond for the Board
- Prepared the first draft Public Affairs Budget for FY 20/21
- Coordinated event logistics with Avenue of the Arts Hotel for the February 12 Water Policy Forum & Dinner
- Accepted on-going registration and completed a variety of event logistics for the February 12 Water Policy Dinner
- Participated in one (1) CalDesal Communications and Outreach Committee meeting, and (1) CalDesal Social Media Subcommittee meeting
- Provided Water Emergency Response Organization of Orange County a recommended color palette for new logo design
- Finalized a video announcing the Xtreme Water Makeover contest winner posted to social media
- Worked with contractor HashtagPinpoint to finalize the 2019 MWDOC social media audit
- Completed several mwdoc.com webpage updates
- Developed and posted social media content

### Governmental Affairs Staff:

- Staffed the January WACO meeting focusing on response to Constituents of Emerging Concern
- Identified updated needs for both the WACO and ISDOC pages on the MWDOC website and coordinated with Public Affairs staff
- Drafted letters on behalf of ISDOC updating the membership to the Orange County Operational Area Board
- Coordinated with CSDA and finalized details for the upcoming ISDOC hosted Form 700 workshop, including assisting on the draft invite, developing mail and email invite lists, facilitating payment, and confirming details
- Invited speakers for the February WACO program on Housing and Water
- Developed panelist questions for February WACO program
- Participated in a conference call with EMWD, IEUA, and WMWD to finalize menu and room details for the DC luncheon
- Sent invitation to local legislative staff encouraging them to attend the February 12 Water Policy Dinner
- Sent invitations to March WACO speakers
- Coordinated details for January 30 ISDOC Quarterly Luncheon including registration, payments, catering, agenda, and talking points, and other logistics
- Handled inquiries from the City of Westminster and the City of Buena Park regarding SB 998 compliance and implementation
- Staffed the ISDOC Quarterly Luncheon featuring the Orange County Registrar of Voters
- Staffed the ISDOC Executive Committee meeting
- Coordinated with OC LAFCO and the OC Auditor-Controller on an appropriate timeline for an alternative dues formula for the special districts portion of the LAFCO budget

### Legislative Affairs

Governmental Affairs Staff:

- Participated in the Southern California Water Coalition Legislative Task Force Annual Planning Meeting at IEUA
- Met with staff representatives from MWD, State Contractors, Upper District and IEUA to discuss issues and focus for the 2020 legislative session
- Monitored the MWD Conservation and Local Resources Committee meeting featuring an update from Nancy Voegel on the California Water Resiliency Portfolio
- Participated in the ACWA Region 10 State Legislative Committee meeting pre-call with participants in Orange and San Diego counties
- Met with the County of Orange legislative director to discuss legislative priorities for 2020
- Participated in the ACWA State Legislative Committee meeting in Sacramento
- Attended the California Municipal Utilities Association (CMUA) annual Capitol Days in Sacramento featuring speakers: Senate Pro Tem Toni Atkins, Assemblymember Chris Holden, Senator Brian Dahle, Assembly Water, Parks and Wildlife consultant Catherine Freeman, Senator Ana Caballero, Senator Ben Allen, and Assemblymember Cecilia Aguiar-Curry.
- Participated in the ACWA Federal Affairs Committee meeting
- Participated in the MWD Member Agencies Legislative Coordinators meeting
- Participated in the Southern California Water Coalition Legislative Taskforce meeting
- Participated in the CMUA/MWD CEC legislation working group meeting
- Participated in the Association of Metropolitan Water Agencies Legislative Committee meeting
- Monitored the Assembly Water, Parks and Wildlife Committee Information hearing – What Happens to Water Supplies During a Public Safety Power Shutoff?

### **INFORMATION CALENDAR**

## MWDOC GENERAL INFORMATION ITEMS

### **MWDOC BOARD OF DIRECTORS**

- Brett R. Barbre
- Larry D. Dick
- Bob McVicker
- Joan Finnegan
- Sat Tamaribuchi
- Jeffery M. Thomas
- Megan Yoo Schneider

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