

REGULAR MEETING  
OF THE BOARD OF DIRECTORS  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
18700 Ward Street, Fountain Valley, California  
February 16, 2022, 8:30 a.m.

**Due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e), MWDOC will be holding this Board and Committee meeting by Zoom Webinar and will be available by either computer or telephone audio as follows:**

Computer Audio: You can join the Zoom meeting by clicking on the following link:  
<https://zoom.us/j/8828665300>

Telephone Audio:           (669) 900 9128 fees may apply  
                                     (877) 853 5247 Toll-free  
Webinar ID:                 882 866 5300#

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**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 <http://www.mwdoc.com>.

**NEXT RESOLUTION NO. 2123****CONSENT CALENDAR (Items 1 to 5)**

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

**1. MINUTES**

- a. January 5, 2022 Workshop Board Meeting
- b. January 13, 2022 Special Board Meeting
- c. January 19, 2022 Board Meeting

*Recommendation: Approve as presented.*

**2. COMMITTEE MEETING REPORTS**

- a. Planning & Operations Committee Meeting: January 3, 2022
- b. Administration & Finance Committee Meeting: January 12, 2022
- c. Executive Committee Meeting: January 20, 2022
- d. MWDOC/OCWD Joint Planning Committee Meeting: January 26, 2022

*Recommendation: Receive and file as presented.*

**3. TREASURER'S REPORTS**

- a. MWDOC Revenue/Cash Receipt Register as of January 31, 2022
- b. 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, 2021
- d. PARS Monthly Statement (OPEB Trust)

*Recommendation: Receive and file as presented.*

**4. FINANCIAL REPORT**

- a. Combined Financial Statements and Budget Comparative for the Period ending December 31, 2021
- b. Quarterly Budget Review

*Recommendation: Receive and file as presented.*

**5. APPROVE CONTINUATION OF REMOTE MEETINGS PURSUANT TO AB 361 AND MAKE REQUIRED FINDINGS**

*Recommendation: Vote to continue virtual meetings pursuant to AB 361 for an additional 30 days based on the findings that (1) it has reconsidered the circumstances of the state of emergency for COVID-19, and (2) state and local officials*

*continue to impose or recommend measures to promote social distancing.*

### **End Consent Calendar**

#### **PUBLIC HEARING**

**6. HOLD 3<sup>rd</sup> PUBLIC HEARING AND ADOPT RESOLUTION REGARDING ADJUSTMENT OF MWDOC DIVISION BOUNDARIES PURSUANT TO ELECTIONS CODE FOLLOWING 2020 CENSUS**

**RES. NO. \_\_\_\_\_**

*Recommendation: (1) Open the 3rd Public Hearing regarding MWDOC's division boundary adjustments to receive input from the public; (2) Receive and file presentation from Center for Demographic Research; (3) Receive comments from the public; (4) Discuss proposed mapping Plans 6A, and 7A and select a final map plan; (5) Close Public Hearing; and (6) Adopt final map plan by Resolution.*

#### **ACTION CALENDAR**

**7-1 SOUTH COAST WATER DISTRICT USE OF THE ORANGE COUNTY HYDRAULIC MODEL**

*Recommendation: Approve two agreements relating to MWDOC member agency use of the Orange County Regional Distribution System Hydraulic Model (OC Hydraulic Model): (1) Approval of a consulting services agreement with Black & Veatch (B&V) through MWDOC's On-Call Technical Services slate in an amount not to exceed \$43,880 for services to complete the scope of work defined by South Coast Water District (SCWD) and B&V; and (2) Authorization for the General Manager to enter into a cost reimbursement agreement with SCWD to reimburse MWDOC for on-call technical services in conjunction with use of the OC Hydraulic Model in a total not to exceed amount of \$43,880 plus a 20% model usage fee of up to \$8,776. The final 20% model usage fee will be determined and billed upon completion of SCWD's use of the OC Hydraulic Model.*

**7-2 CONTINUATION OF TEMPORARY ACOUSTIC LEAK DETECTION SURVEYS AND STAFF TRAINING**

*Recommendation: Authorize the General Manager to increase the agreement with Utility Services Associates, LLC. by \$157,000 to perform temporary acoustic leak detection surveys and provide leak detection training for MWDOC's Water Loss Control staff at a total cost not to exceed \$251,200.*

**7-3 LANDSCAPE DESIGN AND MAINTENANCE ASSISTANCE PROGRAMS**

*Recommendation: Authorize the General Manager to extend the term of the agreements for the Landscape Design and Landscape Maintenance Assistance Programs to a five-year term ending June 30, 2024, using a combination of state and federal grant awards, Metropolitan Member Agency Administered funding, and member agency contributions.*

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

**8. GENERAL MANAGER'S REPORT, FEBRUARY 2022 (ORAL AND WRITTEN)**

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

**9. 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 5, 2022

At 8:30 a.m., President Yoo Schneider called to order the Regular Meeting of the Municipal Water District of Orange County via the Zoom Webinar application (due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e)). Director McVicker led the Pledge of Allegiance and Secretary Goldsby called the roll.

**MWDOC DIRECTORS**

Al Nederhood  
Larry Dick\*  
Karl W. Seckel  
Bob McVicker  
Sat Tamaribuchi\*  
Jeffery M. Thomas  
Megan Yoo Schneider

**STAFF**

Robert Hunter, General Manager  
Harvey De La Torre, Asst. Gen. Mgr.  
Joe Byrne, Legal Counsel  
Maribeth Goldsby, Board Secretary  
Melissa Baum-Haley, Prin. Water Resource Analyst  
Alex Heide, Water Resources Analyst  
Chris Lingad, Associate Engineer  
Kevin Hostert, Water Resources Analyst  
Joe Berg, Director of Water Use Efficiency  
Charles Busslinger, Dir. of Engineering/Dist. Eng.  
Heather Baez, Governmental Affairs Manager  
Vicki Osborn, Director of Emergency Management  
Damon Micalizzi, Director of Public Affairs  
Rachel Waite, Sr. WUE Analyst

\*Also MWDOC MET Directors

**OTHER MWDOC MET DIRECTORS**

Linda Ackerman  
Dennis Erdman

**OTHERS PRESENT**

Christine Carson  
Nina Hawk  
Sara Tucker  
Syrus Devers  
Dick Ackerman  
Ed Means  
Doug Davert  
Dave Youngblood  
Kathryn Freshley  
Kay Havens  
Mark Monin  
Jose Vergara  
Dennis Cafferty  
Mike Dunbar  
Steve LaMar  
Doug Reinhart

Aleshire & Wynder  
Metropolitan Water District of So. California  
NRR  
Best, Best & Krieger  
Ackerman Consulting  
Means Consulting  
East Orange County Water District  
East Orange County Water District  
El Toro Water District  
El Toro Water District  
El Toro Water District  
El Toro Water District  
El Toro Water District  
Emerald Bay Service District  
Irvine Ranch Water District  
Irvine Ranch Water District

Peer Swan	Irvine Ranch Water District
Paul Weghorst	Irvine Ranch Water District
Frank Prewoznik	Irvine Ranch Water District
Kelly Rowe	Orange County Water District
Mike Markus	Orange County Water District
John Kennedy	Orange County Water District
Jim Atkinson	Mesa Water
Stacy Taylor	Mesa Water
Don Froelich	Moulton Niguel Water District
Bill Moorhead	Moulton Niguel Water District
Sherry Wanninger	Moulton Niguel Water District
Joone Lopez	Moulton Niguel Water District
Laura Rocha	Moulton Niguel Water District
Chuck Gibson	Santa Margarita Water District
Saundra Jacobs	Santa Margarita Water District
Justin McCusker	Santa Margarita Water District
Frank Ury	Santa Margarita Water District
Dan Ferons	Santa Margarita Water District
Jim Leach	Santa Margarita Water District
Brad Reese	Serrano Water District
Bill Green	South Coast Water District
Rick Shintaku	South Coast Water District
Fernando Paludi	Trabuco Canyon Water District
Brooke Jones	Yorba Linda Water District
Tom Lindsey	Yorba Linda Water District
Wayne Miller	Yorba Linda Water District
Deborah Diep	Center for Demographic Research
Ruby Zaman	Center for Demographic Research
Lisa Ohlund	Ohlund Management & Technical Services
Megan Couch	San Diego County Water Authority
Kristy Khachigian	KK Consulting

## **PUBLIC PARTICIPATION/PUBLIC COMMENTS**

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

Responding to a question by SMWD Saundra Jacobs, General Manager Hunter provided a brief update regarding the facilitated discussions with the member agencies, noting that interviews should be complete by the end of January, with a Board report in February, and that once this process is complete, Phase 2 will commence.

**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 Yoo Schneider inquired as to whether there were any items distributed to the Board less than 72 hours prior to the meeting.

General Manager Hunter advised that the presentation material for Item No. 5 (Update Regarding State and Federal Water Project Management) was distributed to the Board and made available to the public.

**ACTION ITEMS****APPROVE CONTINUATION OF REMOTE MEETINGS PURSUANT TO AB 361 AND MAKE REQUIRED FINDINGS**

Upon MOTION by Director Seckel, seconded by Director Thomas, and carried (6-0), the Board voted to continue virtual meetings pursuant to AB 361 for an additional 30 days based on the findings that (1) it has reconsidered the circumstances of the state of emergency for COVID-19, and (2) state and local officials continue to impose or recommend measures to promote social distancing, by the following roll call vote:

AYES:	Directors Nederhood, McVicker, Seckel, Tamaribuchi, Thomas and Yoo Schneider
NOES:	None
ABSENT:	Director Dick
ABSTAIN:	None

**PRESENTATION / DISCUSSION / INFORMATION ITEMS**

To accommodate schedules, the agenda was reorganized as follows:

**UPDATE REGARDING STATE AND FEDERAL WATER PROJECT MANAGEMENT**

Ms. Nina Hawk (Metropolitan) provided an update on the Delta activities. Her presentation included an overview of background information (Bay-Delta Regulatory Review), Interim operations (including complexities), long-term operations (and re-initiation of Section 7 consultation), the Voluntary Agreement, and next steps. Ms. Hawk concluded per presentation with updates on the Delta Conveyance Project and a Water Supply Report.

Considerable discussion ensued with specific emphasis on the Interim Operations Plan, biological opinion, whether the Interim Operations Plan would provide additional flexibility in operations, what is needed for final approval, legal complexities (as the Interim Operations Plan is currently going through the Court system), effects on habitat, releases of storage water and current water supply amounts (in storage), and the Coordinated Operations Agreement.

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

(Director Dick arrived at 9:18 a.m.)

## **WATER SUPPLY CONDITIONS UPDATE**

A brief discussion was held regarding the presentation materials included in the packet, with Water Resource Analyst Kevin Hostert providing an overview of the Northern California accumulated precipitation and storage in Lake Oroville.

The Board received and filed the report as presented.

## **DISCUSSION AND REVIEW OF ADJUSTMENT OF MWDOC DIVISION BOUNDARIES PURSUANT TO ELECTIONS CODE FOLLOWING 2020 CENSUS**

Ms. Deborah Diep of the Center for Demographic Research provided an overview of the re-districting process and adjustment of MWDOC's division boundaries pursuant to the Election Code. Her presentation included information regarding the redistricting criteria, census data (resulting in necessary movement of the boundaries), and two draft plans (maps) for redistricting consideration. She advised that the two plans presented incorporated the Board's comments from prior meetings/discussions (including leaving Divisions 1 and 4 unchanged, and leaving water districts intact (in a single division) as much as possible).

Ms. Diep then provided a detailed overview/explanation of the two draft plans (Plan 1 and Plan 2), and considerable discussion ensued regarding the pros/cons with respect to the changes recommended.

General Manager Hunter reminded the Board that the Administrative Code prohibits employees from attempting to influence changes to the MWDOC division boundaries, except where such activities are expressly required in the course of official duties.

(President Yoo Schneider left the meeting at 10:01 a.m.; Vice President McVicker assumed the Chair position).

It was the general consensus of the Board that the two draft plans represented a drastic change in boundaries and it was suggested Ms. Diep re-work the plans to preserve the existing boundaries as much as possible (making changes to Divisions 1 and 4 if necessary). Several recommendations on where to move boundaries were suggested by the Board, and following this, it was recommended the Board hold a Special Board meeting on January 13, 2022 for the specific purpose of addressing new draft boundary map(s). Vice President McVicker asked that the Board members notify Director of Engineering/District Engineer Charles Busslinger with comments/recommendations for the boundaries (no later than January 7, 2022). It was also noted that in the event member agencies would like to comment, they should submit comments to General Manager Hunter.

The Board received and filed the information and set a Special Board meeting on January 13, 2022 at 8:30 a.m. to discuss the new draft boundary maps.

## **LEGISLATIVE ACTIVITIES**

### **a. Federal Legislative Report (NRR)**

The Board received and filed the report.

### **b. State Legislative Report**

**c. MWDOC Legislative Matrix**

Mr. Syrus Devers referenced his report that was included in the packet, and following a brief discussion, the Board received and filed the report.

(President Yoo Schneider returned to the meeting at 10:56 a.m.)

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

Director Ackerman highlighted the following items: State and Federal appropriations, the Carson Regional Recycled Water Project, MET's strategic priorities, new MET Board members, and that Chairwoman Gray is recommending two new Committees.

Director Erdman highlighted the recent WACO presentation regarding California water conditions and what MET is doing regarding some of the issues raised in the presentation.

Director Dick highlighted asphalt repair/replacement, support for recycling, and MET's grant funding efforts.

Director Tamaribuchi reported on the MOU with the Bureau of Reclamation, Southern Nevada and Arizona which will help protect Lake Mead from going below the target threshold.

The Board received and filed the reports as presented.

**INFORMATION ITEMS****MWD ITEMS CRITICAL TO ORANGE COUNTY**

- a. MET Finance and Rate Issues
- b. MET Integrated Resources Plan Update
- c. MET Water Supply Conditions
- d. Colorado River Issues
- e. Delta Conveyance Activities and State Water Project Issues

The Board received and filed the report as presented.

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

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

The report was received and filed.

**CLOSED SESSION ITEMS**

At 11:13 a.m., Legal Counsel Byrne announced that the Board would adjourn to closed session to discuss the following matters with Legal Counsel Christine Carson:

**CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 13, 2010, et al., former Los Angeles Superior Court, Case No. BS 126888, transferred on October 21, 2010, to San Francisco Superior Court, Case No. CPF-10-510830 and related appeal.

**CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

Pursuant to Paragraph (1) of subdivision (d) of Government Code 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 10, 2012 to be Effective January 1, 2013 and January 1, 2014; and Does 1-10, et al., former Los Angeles Superior Court, Case No. BS137830, transferred on August 23, 2012, to San Francisco Superior Court, Case No. CPF-12-512466 and related appeal.

**CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water of Southern California on April 8, 2014, et al., former Los Angeles Superior Court, Case No. BC547139, transferred on December 2, 2014, to San Francisco Superior Court, Case No. CPF-14-514004.

**CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 12, 2016, effective January 1, 2017 and January 1, 2018, et al., former Los Angeles Superior Court, Case No. No. BS161729, transferred to San Francisco Superior Court, Case CPF-16-515282.

**CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 10, 2018 to be effective January 1, 2019, and Jan. 1, 2020, et al., Los Angeles Superior Court, Case No. BS 173868, Transferred to San Francisco Superior Court, Case CPF-18-516389.

(President Yoo Schneider left the meeting at 12:00 p.m.)

**RECONVENE**

At 12:14 p.m., the Board reconvened and Vice President McVicker announced that no reportable action was taken in closed session.

**ADJOURNMENT**

There being no further business, the meeting adjourned at 12:15 p.m.

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Maribeth Goldsby  
Board Secretary

At 8:30 a.m., President Yoo Schneider called to order the Specials Meeting of the Municipal Water District of Orange County via the Zoom Webinar application (due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e)). Director McVicker led the Pledge of Allegiance and Secretary Goldsby called the roll.

## MWDOC DIRECTORS

Al Nederhood  
Larry Dick  
Karl W. Seckel  
Bob McVicker  
Sat Tamaribuchi  
Jeffery M. Thomas  
Megan Yoo Schneider

## STAFF

Robert Hunter, General Manager  
Harvey De La Torre, Asst. Gen. Mgr.  
Joe Byrne, Legal Counsel  
Maribeth Goldsby, Board Secretary  
Charles Busslinger, Dir. of Engineering/Dist. Eng.  
Heather Baez, Governmental Affairs Manager  
Chris Lingad, Associate Engineer  
Alex Heide, Water Resources Analyst  
Joe Berg, Director of Water Use Efficiency  
Hilary Chumpitazi, Accounting Manager  
Kevin Hostert, Water Resources Analyst

## OTHERS PRESENT

Linda Ackerman  
Deborah Diep  
Ruby Zaman  
Dave Youngblood  
Frank Prewoznik  
Keith Van Der Maaten  
John Kennedy  
Chuck Gibson  
Saundra Jacobs  
Justin McCusker  
Frank Ury  
Dan Ferons  
Jim Leach  
Glen Acosta  
Fernando Paludi  
Brooke Jones  
Dick Ackerman  
Tom Lindsey

MWDOC/MET Director  
Center for Demographic Research  
Center for Demographic Research  
East Orange County Water District  
Irvine Ranch Water District  
Laguna Beach County Water District  
Orange County Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Trabuco Canyon Water District  
Trabuco Canyon Water District  
Yorba Linda Water District  
Ackerman Consulting  
Yorba Linda Water District

## PUBLIC PARTICIPATION/PUBLIC COMMENTS

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

No public comments were received.



**DISCUSSION AND REVIEW OF ADJUSTMENT OF MWDOC DIVISION  
BOUNDARIES PURSUANT TO ELECTIONS CODE FOLLOWING 2020 CENSUS**

Ms. Deborah Diep of the Center for Demographic Research provided an overview of the re-districting process and adjustment of MWDOC's division boundaries pursuant to the Election Code. Her presentation included information regarding the redistricting criteria, census data (resulting in necessary movement of the boundaries), and seven draft plans (maps) for redistricting consideration. She advised that the seven draft plans represent different scenarios and incorporated the Board's comments from prior meetings/discussions.

Ms. Diep then provided a detailed overview/explanation of the seven draft plans, noting that Plans 1 and 2 were presented to the Board on January 5, 2022, Plans 3 and 4 are not viable options as currently designed due to the percentage spread, but can be modified to meet legal guidelines, and that the remainder were viable options. The Board then held considerable discussion regarding the pros/cons with respect to each of the Plans recommended, as well as potential growth in the service area.

Director Tamaribuchi highlighted and supported Plan 7 with suggested adjustments and realignments, and Director Thomas concurred, but also expressed support for Plan 6.

Following continued discussion, the Board generally concurred to focus on Plans 6 and 7 with modifications. The Board asked staff to work with Ms. Diep to incorporate their comments into these Plans and return with new draft Plans at the January 19, 2022 Public Hearing.

**ADJOURNMENT**

There being no further business, the meeting adjourned at 9:30 a.m.

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Maribeth Goldsby  
Board Secretary

**MINUTES OF THE REGULAR MEETING  
OF THE BOARD OF DIRECTORS  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
January 19, 2022**

At 8:30 a.m., President Yoo Schneider called to order the Regular Meeting of the Municipal Water District of Orange County, via the Zoom Webinar application (due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e)). Following a moment of silence, Director Thomas led the Pledge of Allegiance and Secretary Goldsby called the roll.

**MWDOC DIRECTORS**

Al Nederhood  
Larry Dick  
Bob McVicker  
Karl Seckel  
Sat Tamaribuchi  
Jeffery M. Thomas  
Megan Yoo Schneider

**STAFF**

Robert Hunter, General Manager  
Harvey De La Torre, Assist. GM (absent)  
Joe Byrne, Legal Counsel  
Maribeth Goldsby, Board Secretary  
Melissa Baum-Haley, Prin. Water Resources Analyst  
Cathy Harris, Director of H.R. & Administration  
Alex Heide, Water Resource Analyst  
Kevin Hostert, Water Resources Analyst  
Charles Busslinger, Principal Engineer  
Hilary Chumpitazi, Accounting Manager  
Damon Micalizzi, Director of Public Affairs  
Heather Baez, Governmental Affairs Manager  
Vicki Osborn, Director of Emergency Management  
Joe Berg, Director of Water Use Efficiency  
Rachel Waite, Sr. WUE Analyst  
Janine Schunk, WEROC Coordinator

**ALSO PRESENT**

Dennis Erdman  
Linda Ackerman  
Doug Davert  
Dave Youngblood  
Kathryn Freshley  
Mike Gaskins  
Kay Havens  
Mark Monin  
Dennis Cafferty  
Peer Swan  
Paul Weghorst  
Keith Van Der Maaten  
Jim Atkinson  
Stacy Taylor  
Don Froelich  
Bill Moorhead  
Sherry Wanninger  
Drew Atwater

MWDOC/MET Director  
MWDOC/MET Director  
East Orange County Water District  
East Orange County Water District  
El Toro Water District  
El Toro Water District  
El Toro Water District  
El Toro Water District  
El Toro Water District  
El Toro Water District  
Irvine Ranch Water District  
Irvine Ranch Water District  
Laguna Beach County Water District  
Mesa Water  
Mesa Water  
Moulton Niguel Water District  
Moulton Niguel Water District  
Moulton Niguel Water District  
Moulton Niguel Water District

Kelly Rowe	Orange County Water District
Mike Markus	Orange County Water District
John Kennedy	Orange County Water District
Chuck Gibson	Santa Margarita Water District
Saundra Jacobs	Santa Margarita Water District
Justin McCusker	Santa Margarita Water District
Frank Ury	Santa Margarita Water District
Jim Leach	Santa Margarita Water District
Dan Ferons	Santa Margarita Water District
Chip Monoco	Santa Margarita Water District
Greg Mills	Serrano Water District
Brad Reese	Serrano Water District
Rick Shintaku	South Coast Water District
Glen Acosta	Trabuco Canyon Water District
Fernando Paludi	Trabuco Canyon Water District
Brooke Jones	Yorba Linda Water District
Tom Lindsey	Yorba Linda Water District
Dick Ackerman	Ackerman Consulting
Deborah Diep	Center for Demographic Research
Ruby Zaman	Center for Demographic Research
Lisa Ohlund	Ohlund Management & Technical Services

#### **PUBLIC PARTICIPATION/PUBLIC COMMENT**

President Yoo Schneider announced that 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. Ms. Yoo Schneider asked whether any member of the public had any comments on items that are not on the agenda.

No public 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 Yoo Schneider inquired as to whether there were any items distributed to the Board less than 72 hours prior to the meeting.

General Manager Hunter advised that presentation materials for Item No. 7 (Public Hearing regarding Adjustment of MWDOC Division Boundaries Pursuant to Elections Code Following 2020 Census) were distributed to the Board and made available to the public.

#### **EMPLOYEE SERVICE AWARDS**

General Manager Hunter presented awards to Janine Schunk, Damon Micalizzi, and Rachel Waite, for each celebrating five years of service to the District.

**CONSENT CALENDAR**

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

Director Seckel referenced the Conservation Framework Standards updates that were discussed in the Committee meetings (December 6 and 8), and suggested the Board discuss cost implications and how to move forward at an upcoming meeting. Director Tamaribuchi concurred, noting the need to work with the MWDOC member agencies to address economic impact.

Upon MOTION by Director Seckel, seconded by Director Thomas, and carried (7-0) the Board approved the Consent Calendar items, by the following roll call vote:

AYES:	Directors Nederhood, Dick, McVicker, Seckel, Tamaribuchi, Thomas, and Yoo Schneider
NOES:	None
ABSENT:	None
ABSTAIN:	None

**MINUTES**

The following minutes were approved.

December 1, 2021 Adjourned Workshop Board Meeting  
December 8, 2021 Special Board Meeting

**COMMITTEE MEETING REPORTS**

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

Combined Planning & Operations and Administration & Finance Committee Meeting:	December 6, 2021
Executive Committee Meeting:	December 8, 2021

**TREASURER'S REPORTS**

The following items were ratified and approved as presented.

MWDOC Revenue/Cash Receipt Register as of December 31, 2021  
MWDOC Disbursement Registers (December/January)

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, 2021

PARS Monthly Statement (OPEB Trust)

## **FINANCIAL REPORT**

The following item was received and filed as presented.

Combined Financial Statements and Budget Comparative for the Period ending November 30, 2021

## **APPROVE CONTINUATION OF REMOTE MEETINGS PURSUANT TO AB 361 AND MAKE REQUIRED FINDINGS**

The Board voted to continue virtual meetings pursuant to AB 361 for an additional 30 days based on the findings that (1) it has reconsidered the circumstances of the state of emergency for COVID-19, and (2) state and local officials continue to impose or recommend measures to promote social distancing.

## **AUTHORIZATION TO CONTRACT WITH CUSTOMER METER ACCURACY TESTING COMPANIES**

The Board authorized the General Manager to enter into five-year contracts with McCall's Meters, Inc. and Westerly Meter Service Company to provide meter accuracy testing services to retail water agencies throughout Orange County as part of MWDOC's Water Loss Control Shared Services Program.

**- END CONSENT CALENDAR -**

## **PUBLIC HEARING**

### **HOLD PUBLIC HEARING REGARDING ADJUSTMENT OF MWDOC DIVISION BOUNDARIES PURSUANT TO ELECTIONS CODE FOLLOWING 2020 CENSUS**

President Yoo Schneider opened the public hearing.

Ms. Deborah Diep of the Center for Demographic Research provided an overview of the redistricting process and adjustment of MWDOC's division boundaries pursuant to the Election Code. Her presentation included information regarding the redistricting criteria, census data (resulting in necessary movement of the boundaries), and three draft plans (maps) for redistricting consideration. She advised that the three draft plans incorporated the Board's comments from prior meetings/discussions.

Ms. Diep then provided a detailed overview/explanation of the three draft plans (Plans 6, 6A, and 7A), noting that the plans included the modifications requested by the Board.

President Yoo Schneider then solicited comments from the public.

SMWD Director Sandra Jacobs stated that although SMWD submitted a letter preferring one plan (Plan 7), she (as an individual) was supportive of any of the plans outlined.

TCWD Director Glen Acosta asked that TCWD be allowed the opportunity to fully evaluate the draft Plans prior to the Board taking action. It was noted that the final public hearing would be held February 16, 2022 at which time it is anticipated the Board will take action.

As no further public comments were received, President Yoo Schneider closed the public hearing and opened discussion among the MWDOC Board.

Considerable discussion among the Board ensued regarding the boundaries, existing representation, and Director preferences, with several Directors expressing support for Plans 6A and 7A.

Following this discussion, staff was directed to move forward with Plans 6A and 7A and present these plans at the February 16, 2022 Public Hearing for consideration and action.

## **ACTION CALENDAR**

### **STANDING COMMITTEE APPOINTMENTS AND SUBJECT MATTER ASSIGNMENTS FOR 2022; SCHEDULE OF COMMITTEE MEETING DATES FOR 2022**

Upon MOTION by Director McVicker, seconded by Director Dick, and carried (7-0), the Board (1) ratified the list of Standing Committees and Subject Matter Assignments for 2022 as presented by the President of the Board; and (2) ratified the Committee and Board meeting dates/times for 2022, by the following roll call vote:

AYES:	Directors Dick, McVicker, Seckel, Tamaribuchi, Thomas & Yoo Schneider
NOES:	None
ABSENT:	None
ABSTAIN:	Director Nederhood

### **ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2022**

Upon MOTION by Director McVicker, seconded by Director Seckel, and carried (6-0), the Board (1) ratified the appointment of representatives and alternates to associations as presented by the President of the Board; and (2) adopted RESOLUTION NO. 2120 approving the appointment of Director Jeffery M. Thomas as member, and Charles Busslinger as alternate to the Santiago Aqueduct Commission (SAC), for submission to SAC, by the following roll call vote:

AYES:	Directors Dick, McVicker, Seckel, Tamaribuchi, Thomas & Yoo Schneider
NOES:	None
ABSENT:	Director Nederhood
ABSTAIN:	None

Responding to question by Stacy Taylor (Mesa Water), Mr. Hunter reviewed MWDOC's involvement in Urban Water Institute noting that MWDOC is a member.

Responding to an inquiry by IRWD Director Swan, President Yoo Schneider advised that due to MWDOC not participating in the Strand Ranch Project water purchases, the subject matter

assignments would not be continued.

**APPROVAL OF RESOLUTION DESIGNATING AUTHORIZED AGENTS FOR FY20 GRANT TRANSFER AGREEMENTS FOR HOMELAND SECURITY GRANTS AND EXECUTION OF TRANSFER AGREEMENT**

Upon MOTION by Director Dick, seconded by Director Seckel, and carried (7-0), the Board approved the execution of the 2020 Grant Transfer Agreement with the City of Anaheim as the Local Urban Area Security Initiative (UASI) Administrator, and adopted the RESOLUTION NO. 2021 providing authority to the WEROC Director of Emergency Management and the General Manager as designated Authorized Agents for FY 2020 Homeland Security Grants the ability to execute any subsequent agreements related to the Homeland Security Grants. Staff will come back to the Board for a purchase award in the event the award is greater than \$25,000. Said action was taken by the following roll call vote:

AYES:	Directors Nederhood, Dick, McVicker, Seckel, Tamaribuchi, Thomas & Yoo Schneider
NOES:	None
ABSENT:	None
ABSTAIN:	None

**INFORMATION CALENDAR**

**GENERAL MANAGER'S REPORT, JANUARY 2022**

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

General Manager Hunter announced that the District would hold its next Water Policy Forum event on February 23, 2022.

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. Due to COVID 19, many of the meetings outlined were attended virtually.

Director Nederhood advised that he attended all of the regularly scheduled MWDOC meetings (Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular Board meetings), the Special Board meeting, the WACO and WACO Planning meetings, the Colorado River Water Users Association conference, and the ACWA Fall conference.

Director Dick reported on attending all of the regularly scheduled MWDOC meetings (Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular Board meetings) the regularly scheduled MET Board and Committee meetings, the Special Board meeting, the WACO and WACO Planning meetings, two meetings with MET Legal Counsel Marcia Scully, the meeting hosted by MET General Manager Hagekhalil regarding "Listening," the ISDOC Executive Committee meeting, the MET Caucus, a meeting regarding the SDCWA/MET litigation review, and the Building Management Committee meeting.

Director McVicker reported that he attended all of the regularly scheduled MWDOC meetings (Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular Board meetings), the CAL EPA Workshop regarding alternative approaches to address water shortages on the Delta, the Cal Water Use Efficiency Partnership Plenary webinar, the WACO meeting, the MET Committee meetings, the OCBC Infrastructure Committee meeting, and the ISDOC Executive Committee meeting.

Director Seckel advised that he attended all of the regularly scheduled MWDOC meetings (Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular Board meetings), the WACO and WACO Planning meetings, a meeting with SCWD to plan for an upcoming tour of Doheny Desalination Project by MET General Manager Hagekhalil, the Special Board meeting, and the Mesa Water rates hearing.

Director Tamaribuchi reported on attending the regularly scheduled MWDOC meetings (Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular Board meetings), the regularly scheduled MET Board and Committee meetings, two MWDOC/MET Director meetings, the MET Caucus, the WACO meeting(s), the Colorado River Water Users Association conference, the ACWA Climate Change meeting, the MWDOC Cyber training class, the Building Management Committee meeting, and a meeting with staff regarding the .65 evapotranspiration requirement (included in the Conservation Framework Standards).

Director Thomas stated that he attended all of the regularly scheduled MWDOC meetings (the Planning & Operations Committee, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular Board meetings), the Special Board meeting, the ACWA conference, the Colorado River Water Users Association conference, and the WACO meeting.

Director Yoo Schneider advised that she attended all of the regularly scheduled MWDOC meetings (Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular Board meetings), the Special Board meeting, the SMWD Administration & Finance and Water Quality & Treatment Committee meetings, the SCWD Board meeting, the LBCWD Committee and Board meetings, several Water Environment Federation (WEF) Diversity, Equity & Inclusion meetings, the UKC Water Forum (as a presenter), a meeting with staff regarding the .65 evapotranspiration requirement (included in the Conservation Framework Standards), the SOCWA meeting, a meeting with SCWD to plan for an upcoming tour of Doheny Desalination Project by MET General Manager Hagekhalil, the WEF Executive Committee meetings as President-Elect, and a meeting with members of the SCWD Board of Directors.



**a. REQUESTS FOR FUTURE AGENDA TOPICS**

President Yoo Schneider noted requests by Directors Seckel and Tamaribuchi regarding the Conservation Framework Standards (.65 evapotranspiration requirement and economic impacts) to place the issue on an upcoming agenda (as mentioned earlier in the meeting); General Manager Hunter advised he would review the issues at the January 20 Executive Committee meeting.

**ADJOURNMENT**

There being no further business to come before the Board, President Yoo Schneider adjourned the meeting at 9:34 a.m.

Respectfully submitted,

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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 3, 2022 – 8:30 a.m. to 10:55 a.m.

Due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e), the meeting was held via the Zoom Webinar application; all Brown Act requirements were complied with.

**Committee:**

Director Yoo Schneider, Chair  
Director Nederhood  
Director Seckel

**Staff:**

Rob Hunter, Heather Baez, Pari Francisco  
Melissa Baum-Haley, Damon Micalizzi,  
Maribeth Goldsby, Michelle Decasas,  
Harvey De La Torre, Chris Lingad, Charles  
Busslinger, Rachel Waite, Tina Dubuque,  
Rachel Davis, Joe Berg, Cathy Harris, Vicki  
Osborn, Tiffany Baca, Bryce Roberto, Janine  
Schunk, Sarah Wilson, Kevin Hostert, Daniel  
Harrison

**Also, Present:**

Director Larry Dick  
Director Bob McVicker  
Director Sat Tamaribuchi  
Director Jeff Thomas  
Linda Ackerman, MET Director  
Dennis Erdman, MET Director  
Dick Ackerman, Ackerman Consulting  
Saundra Jacobs, Santa Margarita WD  
Jim Atkinson, Mesa WD  
Dan Ferons, Santa Margarita WD  
Doug Reinhart, Irvine Ranch WD  
Christine Compton, Irvine Ranch WD

David Youngblood, East Orange County WD  
Donald Froelich, Moulton Niguel WD  
Yarib Dhemine, Inside the Outdoors  
Kelly Rowe, Orange County WD  
John Kennedy, Orange County WD  
Peer Swan, Irvine Ranch WD  
Justin McCusker, Santa Margarita WD  
Sherry Wanninger, Moulton Niguel WD  
Fernando Paludi, Trabuco Canyon WD  
Charles Gibson, Santa Margarita WD  
Paul Weghorst, Irvine Ranch WD  
Christine Herndon, Herndon Solutions Grp  
Alyssa Pepper, Herndon Solutions Grp

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

Secretary Goldsby conducted a roll call of the Committee members' attendance with Directors Yoo Schneider, Nederhood, Seckel being present and Directors Dick, Tamaribuchi, Thomas, and McVicker also present. Director Yoo Schneider left the meeting at 10:00 a.m., Director Seckel assumed the Chairperson role, and Director Tamaribuchi became part of the Committee.

Chairperson Yoo Schneider outlined Zoom protocols in an effort to assist in keeping the meeting running smoothly.

**PUBLIC PARTICIPATION**

No comments were received.

**ITEMS RECEIVED TOO LATE TO BE AGENDIZED**

No items were received too late to be agendized.

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

No items were distributed to the Board less than 72 hours prior to the meeting.

**PRESENTATION ITEM****SAWPA SANTA ANA RIVER WATERSHED WEATHER MODIFICATION PILOT PROGRAM**

Mr. Mark Norton, Water Resources & Planning Manager of the Santa Ana River Watershed Project Authority (SAWPA), presented a PowerPoint with information regarding a proposed pilot program for the Santa Ana River Watershed Weather Modification Program – Cloud Seeding. Mr. Norton described what Cloud Seeding is, how it works, its performance record and the cost of the proposed SAWPA pilot program.

Director Tamaribuchi recommended that MWDOC send a letter to the Metropolitan Water District of Southern California (MET) encouraging them to consider participating in the SAWPA Santa Ana River Watershed Weather Modification Pilot Program. He feels that this will assist MET in becoming more knowledgeable of the possible benefits of this program on a larger scale.

The Committee received and filed the information as presented.

**ACTION ITEM****APPROVAL OF RESOLUTION DESIGNATING AUTHORIZED AGENTS FOR FY20 GRANT TRANSFER AGREEMENTS FOR HOMELAND SECURITY GRANTS AND EXECUTION OF TRANSFER AGREEMENT**

General Manager Rob Hunter noted an inconsistency between the write-up and the Resolution. Following a brief discussion by the Committee, the Committee recommended the Resolution be revised to match the staff recommendation so that both the WEROC Director of Emergency Management *and* the General Manager are designated authorized agents and given the authority to execute any agreements related to the Grants.

Upon MOTION by Director Seckel, seconded by Director Nederhood, and carried (3-0), the Committee recommended the Board of Directors approve the execution of the 2020 Grant Transfer Agreement with the City of Anaheim as the Local Urban Area Security Initiative

(UASI) Administrator as amended by the Committee, at the January 19, 2022 Board meeting.

A roll call vote was taken, with Directors Yoo Schneider, Seckel, and Nederhood voting in favor. This item will be presented to the Board on January 19, 2022.

### **AUTHORIZATION TO CONTRACT WITH CUSTOMER METER ACCURACY TESTING COMPANIES**

Director of Water Use Efficiency Joe Berg shared that MWDOC would be entering into five-year contracts with McCall's Meters, Inc. and Westerly Meter Service Company to provide meter accuracy testing services to retail water agencies throughout Orange County, as part of MWDOC's Water Loss Control Shared Services Program. He went on to say that the water meter testing is an essential component of the annual water balance that agencies are required to submit to the Department of Water Resources. It also helps to separate actual losses from apparent losses, so it's a valuable service for MWDOC to continue to offer.

Director Seckel noted that this is a Choice Program that member agencies can take advantage of if they choose to do so.

Upon MOTION by Director Seckel, seconded by Director Nederhood, and carried (3-0), the Committee recommended the Board of Directors authorize the General Manager to enter into five-year contracts with McCall's Meters, Inc. and Westerly Meter Service Company to provide meter accuracy testing services to retail water agencies throughout Orange County as part of MWDOC's Water Loss Control Shared Services Program.

A roll call vote was taken, with Directors Yoo Schneider, Seckel, and Nederhood voting in favor. This item will be presented to the Board on January 19, 2022.

### **DISCUSSION ITEMS**

#### **UPDATE ON COVID-19 (ORAL REPORT)**

Director of Emergency Management Vicki Osborn provided an update on COVID-19. She stated that the Omicron variant positivity cases are at 6% in Orange County. She shared that Orange County numbers are holding a little better than Los Angeles County due to the vaccination rate in Orange County. Approximately 80% of Orange County has had at least one dose, and close to 70% have received both doses.

#### **FOLLOW-UP ON DECEMBER WATER USE EFFICIENCY STANDARDS UPDATE**

Director of Water Use Efficiency Joe Berg stated this was a follow-up to the detailed presentation given at the Planning & Operations Committee Meeting on December 6, 2021.

Mr. Berg's presentation clarified who approves the various components of the Water Use Efficiency standards; staff's efforts to date to help shape the standards; what the schedule of adoption and implementation is; and lastly, what MWDOC's activities will be moving

forward.

A robust conversation took place around getting more involved with educating the legislature, community and homeowners on the proposed Water Use Efficiency Standards.

Director Seckel requested that MWDOC pursue dialogue with the legislature. He asked that a plan be developed and that it be brought back to the P&O Committee for review and discussion at a later date.

### **ADMINISTRATION BUILDING CONSTRUCTION UPDATE**

Director of Engineering Charles Busslinger provided an Administration Building Construction update. He stated that construction is complete, except for the arrival and installation of the lobby doors for Conference Room 101. The lobby doors have not arrived due to shipping delays. He went on to say that the project is mainly on budget and on-time.

### **INFORMATION ITEMS**

#### **UPDATE REGARDING AMERICA'S WATER INFRASTRUCTURE ACT (AWIA)**

WEROC launched an effort to facilitate a joint RFP and contract with participating WEROC member agencies to address the requirements of America's Water Infrastructure Act (AWIA).

Director of Emergency Management Vicki Osborn and Ms. Christine Herndon (President, Herndon Solutions Group) provided a PowerPoint presentation which highlighted the process, milestones achieved, deliverables provided, and an outline of some of the areas in which this process will be simpler and smoother next time (based on the areas they highlighted together as opportunities for improvement).

#### **LOCAL LEGISLATIVE ACTIVITIES**

- a. County Legislative Report (Lewis)
- b. Legal and Regulatory Report (Ackerman)

The Committee received and filed these reports.

#### **FEBRUARY 23<sup>RD</sup> WATER POLICY DINNER FEATURING STATE WATER RESOURCES CONTROL BOARD CHAIR, JOAQUIN ESQUIVEL**

The Committee received and filed this report.

### **MWDOC CHOICE SCHOOL PROGRAMS UPDATE**

The Committee received and filed this report.

#### **STATUS REPORTS**

- a. Ongoing MWDOC Reliability and Engineering/Planning Projects
- b. WEROC

- c. Water Use Efficiency Projects
- d. Public and Government Affairs

The Committee received and filed these reports.

#### **WATER AND WASTEWATER WORKFORCE NEEDS ASSESSMENT**

The Committee received and filed these reports.

**REVIEW OF ISSUES RELATED TO PLANNING OR ENGINEERING PROJECTS, WEROC, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, PUBLIC AFFAIRS PROGRAMS AND EVENTS, PUBLIC INFORMATION PROJECTS, PUBLIC INFORMATION CONSULTANTS, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS**

#### **ADJOURNMENT**

There being no further business brought before the Committee, Chairperson Seckel adjourned the meeting at 10:55 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 12, 2022 – 8:30 a.m. to 9:18 a.m.

Due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e), the meeting was held via the Zoom Webinar application; all Brown Act requirements were complied with.

**A&F Committee:**

Director Bob McVicker  
Director Larry Dick  
Director Jeff Thomas

**Staff:**

Rob Hunter, Vicki Osborn, Alex Heide,  
Beth Fahl, Cathleen Harris, Charles Busslinger,  
Chris Lingad, Christina Hernandez,  
Damon Micalizzi, Daniel Harrison,  
Harvey De La Torre ,Heather Baez,  
Hilary Chumpitazi, Janine Schunk,  
Joe Berg, Katie Davanaugh, Maribeth Goldsby,  
Rachel Waite, Michelle DeCasas,  
Pari Francisco, Rachel Davis, Sam Fetter,  
Steven Hung, Melissa Baum-Haley

**Also Present:**

Director Al Nederhood  
Director Karl Seckel  
Director Megan Yoo Schneider  
Director Sat Tamaribuchi  
Dennis Erdman, MWDOC Met Director  
Linda Ackerman, MWDOC Met Director

Brad Reese, Serrano Water District  
Dennis Cafferty, El Toro Water District  
Doug Reinhart, Irvine Ranch Water District  
Fernando Paludi, Trabuco Canyon Water Dist.  
Frank Ury, Santa Margarita Water District  
Jim Atkinson, Mesa Water  
Jim Leach, Santa Margarita Water Dist  
John Kennedy, Orange County Water Dist.  
Jose Vergara, El Toro Water Dist  
Justin McCusker, Santa Margarita Water Dist.  
Kaden Young, Moulton Niguel Water District  
Kay Havens, El Toro Water District  
Mark Monin, El Toro Water District  
Michael Markus, Orange County Water District  
Peer Swan, Irvine Ranch Water District  
Chuck Gibson, Santa Margarita Water District

At 8:30 a.m., Director McVicker called the meeting to order, via the Zoom webinar application.

Secretary Goldsby conducted a roll call attendance of the Committee members with Directors McVicker, Thomas and Dick acknowledging attendance for the Administration and Finance Committee; and Directors Seckel, Nederhood, Tamaribuchi and Yoo Schneider also present.

**PUBLIC COMMENTS**

No public comments were made.

**ITEMS RECEIVED TOO LATE TO BE AGENDIZED**

No items were presented.

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

General Manager Hunter reported that a letter from OCWD regarding the budget, and a letter from Santa Margarita Water District regarding redistricting were distributed to the Board and made available to the public.

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

- a. Revenue/Cash Receipt Report – December 2021
- b. Disbursement Approval Report for the month of January 2022
- c. Disbursement Ratification Report for the month of December 2021
- d. GM Approved Disbursement Report for the month of December 2021
- e. Consolidated Summary of Cash and Investment – November 2021
- f. OPEB and Pension Trust Fund monthly statement

The Committee reviewed the Treasurer's Report and upon MOTION by Director Thomas, seconded by Director Dick and carried (3-0), the Committee recommended approval of the Treasurer's Report at the January 19, 2022 Board meeting. The vote was taken via roll call with Directors McVicker, Thomas and Dick and all voting in favor.

**FINANCIAL REPORT**

- a. Combined Financial Statements and Budget Comparative for the Period Ending October 31, 2021

The Committee reviewed the Financial Report and upon MOTION by Director Thomas seconded by Director Dick and carried (3-0), the Committee recommended approval of the Financial at the January 19, 2022 Board meeting. The vote was taken via roll call with Directors McVicker, Thomas and Tamaribuchi and all voting in favor.

**DISCUSSION ITEMS****FISCAL YEAR (FY) 2021-22 BUDGET YEAR-END PROJECTIONS AND  
CONCEPTUAL FY 2022-23 BUDGET REVIEW**

General Manager Hunter remarked that the staff report stands as presented. Mr. Hunter called attention to the draw on reserves, the project expense variance of construction costs, the reduction of interest revenue, and projected reserve fund balances. The staff report included proposed key additions and assumptions for developing the draft budget, with Mr. Hunter reporting that a full review and discussion will be held on the reserve policy during the process. Brief discussion was held on the high rate of inflation and potential salary changes for the



coming year, which are under review.

John Kennedy (OCWD) remarked that OCWD is looking forward to review and discussion of the reserve policy as OCWD has some concern with respect to the current reserve levels. Peer Swan, Irvine Ranch Water District, also noted that he believes the reserve levels should be lower than what is presented on the District's combined balance sheet.

The Committee reviewed the list of proposed additions to the 2022-23 budget and held discussion on staffing levels for the Water Loss Control program, outside consulting for the Finance Department, the high level of inflation and other upcoming projects and activities. Director Seckel requested additional consideration for activities related to Metropolitan activities, as well as planning for additional resources for the WEROC program.

The budget will be presented again in February for additional review, discussion and considerations from the Board and member agencies.

### **INFORMATION ITEMS**

#### **DEPARTMENT ACTIVITIES REPORTS**

- a. Administration
- b. Finance and Information Technology

The reports were received and filed.

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

The report was received and filed.

### **OTHER ITEMS**

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

No information was presented.

### **ADJOURNMENT**

There being no further business brought before the Committee, the Administration & Finance meeting was adjourned at 9:18 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 20, 2022, 8:30 a.m. to 9:54 a.m.  
Zoom Webinar Application

**Committee:**

Director Yoo Schneider, President  
Director McVicker, Vice President  
Director Tamaribuchi, Immediate Past President

**Staff:**

R. Hunter, M. Goldsby, H. Baez,  
J. Berg, V. Osborn, D. Harrison

**Also Present:**

Director Nederhood  
Director Seckel  
Director Dick  
Director Thomas  
Linda Ackerman, MWDOC MET Director  
Dennis Erdman, MWDOC MET Director  
Dick Ackerman, Ackerman Consulting  
Syrus Devers, BBK  
Christine Compton, IRWD  
Sherry Wanninger, MNWD  
Mike Markus, OCWD  
John Kennedy, OCWD  
Chuck Gibson, SMWD  
Chip Monoco, SMWD  
Brad Reese, Serrano WD

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At 8:30 a.m., President Yoo Schneider called the meeting to order via the Zoom Webinar application (pursuant to the Governor's Executive Order due to the spread of the COVID-19 virus, the meeting was conducted via Zoom). Secretary Goldsby called the roll.

**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**

General Manager Hunter advised that the draft agendas for the upcoming month were distributed to the Board and made available to the public.

In order to accommodate schedules, the agenda was reorganized as follows:

**DISCUSSION REGARDING UPCOMING ACTIVITIES OF SIGNIFICANCE**

General Manager Hunter advised that pursuant to the discussion at the January 19<sup>th</sup> Board meeting, Mr. Syrus Devers (BBK), Director of WUE Programs Joe Berg, and Governmental Affairs Manager Heather Baez were in attendance to discuss the Conservation Framework Standards (Standards) process.

Director Seckel expressed his concern with respect to some of the standards, noting he was unsure the water industry could reasonably comply with them, suggesting more technical studies may be in order to fully understand the impacts of these standards. He inquired as to what the water industry and MWDOC can do to address these concerns and issues. Director Tamaribuchi concurred, noting that he would like a better sense of the economic (and other) impacts to Orange County and MWDOC's member agencies.

General Manager Hunter provided information regarding what the Department of Water Resources (DWR) is required to do, including conducting studies, and coordinating and working with MWDOC's member agencies.

Mr. Syrus Devers then provided an overview of the Standards process and Sacramento legislative activities (Assemblymember Friedman's legislation), noting he believed an impact statement on the Standards from DWR, and amendments to Assemblymember Friedman's legislation would be beneficial. He also provided information on ACWA's workgroup efforts in this area. Governmental Affairs Manager Baez outlined the statewide efforts of various workgroups.

Mr. Devers indicated that MWDOC was not in a position to generate information on indoor water use that would be helpful in lobbying against the Friedman bill because Orange County, generally, has invested heavily in conservation and recycling. He advised that indoor water use numbers from Orange County could be counterproductive since it is not representative of statewide use, and if an independent study were to be conducted, it would need to be in another region. He recommended MWDOC take an active role in supporting the ACWA efforts, which may include a sponsored bill. Following discussion regarding ACWA developing possible legislation (in lieu of amendments to Ms. Friedman's bill), it was noted that if any legislation arises from ACWA's working group, that legislation would be presented to the Board for consideration. Mr. Devers cautioned about MWDOC taking the lead on any legislation.

Director of Water Use Efficiency Joe Berg provided an overview of the Board authorized end-use study and what the results of that study might conclude.

Considerable discussion ensued with respect to the .65 evapotranspiration rate and what it represents (landscaping, irrigation, etc.), efforts staff has made with the member agencies, potential financial impacts of the Standards, ACWA's efforts with respect to the Standards, and MWDOC's (and Orange County's) best course of action.

It was agreed that a presentation by SMWD and/or IRWD be made at the upcoming Planning & Operations Committee meeting regarding all of the issues/concerns outlined.

SMWD Director Gibson commented that two impacts for consideration should be: (1) MWDOC's policy (and most agencies) for home rule and preference for regional v. agency

by agency data (and enforcement from the state); and (2) macroeconomic analysis is needed similar to the economic impact analysis on mandatory water use reduction EO B-29-15 done for state board by M. Cubed May 2015. The Committee asked that he send the M. Cubed study to the Board.

### **EXECUTIVE COMMITTEE REVIEW OF FUTURE AGENDAS**

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

a. MWD/OCWD Joint Planning Committee

No new items were added to the agenda.

b. Workshop Board Meeting

Director Seckel added that an update on MET's Seismic Efforts with respect to the Delta be the main topic for discussion at the Workshop Board meeting; the Committee concurred.

It was noted future topics for discussion would be MET's biennial budget and the IRP. The Committee asked that the matrix of items (MET Items Critical to Orange County) be reviewed to ensure the most up to date and pertinent issues are included (e.g. Interim Operations Plan).

c. Administration & Finance Committee

Discussion was held regarding the budget process and MWD/OCWD's Reserve Policy. Director Seckel asked that during the budget process, staff and the Board evaluate whether appropriate funds are budgeted for MET activities (or whether more is needed).

d. Planning & Operations Committees

As noted earlier in the meeting, an update on Water Use Efficiency Standards would be added to the agenda.

### **MEMBER AGENCY RELATIONS**

Mr. Hunter reported on the process facilitated by Paul Redvers Brown, noting the process is underway, that he hopes to have the process complete by the end of January with a Board report in February.

Mr. Hunter then provided an overview of the recent MWD/OCWD Building Management Committee meeting/activities. He also provided clarification regarding some confusion around MWD/OCWD's letter of support regarding PFAS.

Responding to an inquiry by Director Seckel, Mr. Hunter advised that the Walrod/Sundig reports were anticipated to be available by spring 2022.

**GENERAL MANAGER'S REPORTS**

No new information was presented.

**REVIEW AND DISCUSS DISTRICT AND BOARD ACTIVITIES**

No new information was presented.

**ADJOURNMENT**

There being no further business to be brought before the Committee, the meeting adjourned at 9:54 a.m.

**MEETING REPORT**  
**JOINT PLANNING COMMITTEE WITH BOARD OF DIRECTORS**  
**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY and**  
**ORANGE COUNTY WATER DISTRICT**  
January 26, 2022 - 8:30 a.m. – 10:09 a.m.  
Zoom Webinar Application

**MWDOC DIRECTORS**

Al Nederhood  
Larry Dick  
Bob McVicker  
Karl W. Seckel  
Sat Tamaribuchi  
Jeffery M. Thomas  
Megan Yoo Schneider

**MWDOC STAFF**

Rob Hunter  
Maribeth Goldsby  
Harvey De La Torre  
Melissa Baum-Haley  
Alex Heide  
Damon Micalizzi  
Chris Lingad  
Kevin Hostert  
Heather Baez  
Charles Busslinger  
Joe Berg  
Cathy Harris

**ALSO PRESENT**

Linda Ackerman  
Dennis Erdman  
Dave Youngblood  
Ken Vecchiarelli  
Doug Reinhart  
Peer Swan  
Paul Weghorst  
Christine Compton  
Jim Atkinson  
Paul Shoenberger  
Don Froelich  
Sherry Wanninger  
Joone Lopez  
Matt Collings  
Chuck Gibson  
Saundra Jacobs  
Justin McCusker  
Betty Olson

**OCWD DIRECTORS**

Dina Nguyen (absent)  
Denis Bilodeau  
Roger Yoh  
Tri Ta  
Steve Sheldon (absent)  
Cathy Green  
Kelly Rowe  
Nelida Mendoza  
Harry Sidhu (absent)  
Bruce Whitaker

**OCWD STAFF**

Mike Markus  
John Kennedy  
Chris Olsen  
Alicia Dunkin  
Jason Dadakis

MWDOC/MET Director  
MWDOC/MET Director  
East Orange County Water District  
Golden State Water Company  
Irvine Ranch Water District  
Irvine Ranch Water District  
Irvine Ranch Water District  
Irvine Ranch Water District  
Mesa Water  
Mesa Water  
Moulton Niguel Water District  
Moulton Niguel Water District  
Moulton Niguel Water District  
Moulton Niguel Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District

Frank Ury  
Dan Ferons  
Jim Leach  
Chip Monaco  
Greg Mills  
Brooke Jones  
Wayne Miller  
Megan Couch  
Michael Moore

Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Santa Margarita Water District  
Serrano Water District  
Yorba Linda Water District  
Yorba Linda Water District  
San Diego County Water Authority  
City of Anaheim

OCWD Director Cathy Green chaired the meeting. Due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e), the meeting was held via the Zoom Webinar application; all Brown Act requirements were complied with.

## **PUBLIC COMMENTS**

No public comments were received.

## **IMPORTED WATER SUPPLY UPDATE AND DROUGHT ACTIONS**

MWDOC Water Resources Analyst Kevin Hostert updated the Boards on the current imported water supply conditions, highlighting the Northern California 8-station index's accumulated precipitation, snowpack, and run-off percentages, key reservoir storage levels, Colorado River status and Lake Mead's storage levels, the current SWP Table "A" allocation of 15%, and the State's drought monitor conditions.

## **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, MET replenishment water purchases, and the OCWD groundwater basin accumulated overdraft.

## **METROPOLITAN WATER DISTRICT ISSUES UPDATE**

Dr. Melissa Baum Haley provided an update on MET's current activities, including the Biennial Budget process, the IRP process (which includes two phases – The Needs Assessment and the Implementation Phase, which should commence in the Spring of 2022), and an overview of the MET General Manager's proposed strategic priorities.

Dr. Baum Haley noted that a presentation regarding MET 2020 IRP's Needs Assessment and Findings will be made at MWDOC's March 2, 2022 Workshop Board meeting.

Following discussion, the Committee received and filed the report.

## **CONSERVATION FRAMEWORK STANDARDS UPDATE**

MWDOC Director of Water Use Efficiency Programs Joe Berg provided an overview of the "California as a Way of Life" conservation campaign, and the components of the Conservation Framework Standards (shifting to a water budget based approach).

Considerable discussion ensued regarding indoor v. outdoor standards, conflicts with city codes, compliance issues and consequences, and overall concerns with the Standards' impacts to the community.

### **SOC EMERGENCY WATER SUPPLY PROGRAM-OCWD UPDATE (MNWD PILOT STORAGE PROGRAM)**

OCWD Executive Director of Engineering and Water Resources John Kennedy provided an update on the SOC Emergency Water Supply Program (formerly the MNWD Pilot Storage Program), noting that MNWD is funding the preliminary work through a consultant to design the system through Santa Ana, which will most likely result in a three-way agreement between Santa Ana, MNWD, and OCWD. He advised that subsequent to this, an agreement would need to be coordinated and executed with MWDOC.

Discussion ensued regarding who would have access to the water under emergency conditions, and OCWD General Manager Mike Markus advised that this would be presented for discussion and input to the groundwater producers and OCWD's Water Issues Committee prior to being presented to OCWD's Board.

### **PFAS UPDATE**

Mr. Chris Olsen (OCWD staff) provided an update on Orange County Groundwater Basin's PFAS issues, including an overview of the treatment system design/construction status at each location.

Mr. Jason Dadakis (OCWD staff) then provided an overview of the PFAS regulatory issues faced, noting a final report is anticipated in April 2022.

### **MWDOC OCWD BUILDING MANAGEMENT COMMITTEE**

Mr. Markus reported that the revised Lease Agreement between the two agencies was currently under review by legal counsel from both agencies. Mr. Hunter advised that the Committee discussed MWDOC's future remodel projects (kitchen) and termite issues.

### **POSEIDON UPDATE**

Mr. Kennedy advised that the Coastal Commission is scheduling a meeting in March (via Zoom) to discuss the Poseidon Project.

Director Seckel expressed his concerns with the Poseidon Project, citing costs and reliability issues; he expressed preference for the Carson Regional Recycling Project as an alternative supply.

### **FUTURE COMMITTEE MEETINGS: APRIL 27, JULY 27 AND OCTOBER 26, 2022**

It was noted that the next MWDOC/OCWD Joint Planning Committee meeting would be held on April 27, 2022 and would be chaired by MWDOC.

### **ANY FUTURE AGENDA ITEMS**

No future agenda items were submitted.



## **ADJOURNMENT**

There being no further business to come before the Committee, the meeting adjourned at 10:09 a.m.

**Municipal Water District of Orange County  
REVENUE / CASH RECEIPT REPORT  
January 2022**

**WATER REVENUES**

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
1/06/2022	City of La Habra	November 2021 Water deliveries	18,739.52
1/06/2022	Laguna Beach County Water District	November 2021 Water deliveries	306,869.63
1/06/2022	City of Westminster	November 2021 Water deliveries	15,667.87
1/10/2022	El Toro Water District	November 2021 Water deliveries	525,485.17
1/10/2022	City of Fountain Valley	November 2021 Water deliveries	9,884.77
1/10/2022	City of San Juan Capistrano	November 2021 Water deliveries	491,723.18
1/10/2022	Santa Margarita Water District	November 2021 Water deliveries	2,017,398.32
1/10/2022	South Coast Water District	November 2021 Water deliveries	444,491.43
1/12/2022	City of Garden Grove	November 2021 Water deliveries	186,594.77
1/12/2022	Trabuco Canyon Water District	November 2021 Water deliveries	174,825.66
1/13/2022	East Orange Co Water District	November 2021 Water deliveries	695,444.79
1/13/2022	City of Orange	November 2021 Water deliveries	1,335,356.98
1/13/2022	Yorba Linda Water District	November 2021 Water deliveries	1,740,721.22
1/14/2022	Golden State Water Company	November 2021 Water deliveries	555,750.46
1/14/2022	Irvine Ranch Water District	November 2021 Water deliveries	1,215,673.16
1/14/2022	Moulton Niguel Water District	November 2021 Water deliveries	2,047,635.82
1/14/2022	Orange County Water District	November 2021 Water deliveries	7,519,153.31
1/14/2022	City of Seal Beach	November 2021 Water deliveries	8,999.73
1/14/2022	Serrano Water District	November 2021 Water deliveries	7,553.65
1/21/2022	City of Huntington Beach	December 2021 Water deliveries	307,873.12
1/25/2022	City of Newport Beach	December 2021 Water deliveries	534,958.47
1/26/2022	City of Garden Grove	December 2021 Water deliveries	57,316.37
1/27/2022	City of La Habra	December 2021 Water deliveries	6,264.32
1/27/2022	City of Westminster	December 2021 Water deliveries	15,667.87
1/28/2022	City of Brea	December 2021 Water deliveries	13,456.22
1/28/2022	City of San Clemente	December 2021 Water deliveries	519,246.07
1/31/2022	Serrano Water District	December 2021 Water deliveries	7,553.65

**TOTAL WATER REVENUES \$ 20,780,305.53**

**Municipal Water District of Orange County**  
**REVENUE / CASH RECEIPT REPORT**  
**January 2022**

**MISCELLANEOUS REVENUES**

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
1/12/2022	Paypal	12/2/2021 OCEMO Holiday luncheon	1,214.11
1/18/2022	Best, Best and Krieger	2/23/2022 Water Policy dinner	90.00
1/05/2022	Patricia Meszaros	January 2022 Retiree Health insurance	43.08
1/13/2022	Karl Seckel	January 2022 Retiree Health insurance	179.55
1/13/2022	Judy Pfister	Jan-Mar 2022 Retiree Health insurance	129.24
1/25/2022	Stan Sprague	February 2022 Retiree Health insurance	179.55
1/31/2022	Patricia Meszaros	February 2022 Retiree Health insurance	43.08
1/31/2022	Keith Lyon	February 2022 Retiree Health insurance	179.55
1/03/2022	US Bank Custodial Account	Westpac Banking Interest payment	2,500.00
1/18/2022	US Bank Custodial Account	Sallie Mae Bank and National Rural Utilities Coop Interest payment	1,424.90
1/07/2022	Igoe and Company Inc	Net refund for FSA	19.65
1/18/2022	Damon Micalizzi	Computer loan down payment	500.00
1/18/2022	Cal Chamber	Duplicate payment refund	849.00
1/19/2022	Health Equity	Account verification deposit	0.16
1/25/2022	US Bank Custodial Account	Capital One Bank and Discover Bank Interest payment	6,931.50
1/27/2022	Office Depot Inc	Refund for price adjustment on office supplies purchase	24.71
1/31/2022	US Bank	Monthly Interest	11.16
1/10/2022	Moulton Niguel Water District	November 2021 Smartimer rebate program	7,446.49
1/10/2022	El Toro Water District	November 2021 Rain Barrels rebate program	15.00
1/14/2022	Laguna Beach County Water District	November 2021 Rain Barrels rebate program	90.00
1/10/2022	City of La Habra	September 2021 Turf Removal rebate program	222.00
1/10/2022	City of Fountain Valley	November 2021 Turf Removal rebate program	111.00
1/18/2022	City of Orange	November 2021 Turf Removal rebate program	555.00
1/14/2022	Mesa Water District	October 2021 Turf Removal and Spray to Drip rebate program	555.00
1/14/2022	City of Tustin	November 2021 Turf Removal and Spray to Drip rebate program	333.00
1/14/2022	Mesa Water District	November 2021 Turf Removal and Spray to Drip rebate program	832.30
1/25/2022	City of Buena Park	November 2021 Turf Removal and Spray to Drip rebate program	324.45
1/21/2022	City of San Clemente	November 2021 Turf Removal, Spray to Drip and Rain Barrels rebate program	1,659.50
1/10/2022	Moulton Niguel Water District	October 2021 Smartimer, Rotating Nozzles and Turf Removal rebate program	5,092.44
1/10/2022	Moulton Niguel Water District	October 2021 So Cal Watersmart rebate program	4,200.00
1/10/2022	Moulton Niguel Water District	November 2021 So Cal Watersmart rebate program	3,200.00
1/14/2022	Metropolitan Water District	WEEA Sponsorship FY 2021-22	5,000.00

<b>TOTAL MISCELLANEOUS REVENUES</b>	<b>\$ 46,075.47</b>
<b>TOTAL REVENUES</b>	<b>\$ 20,826,381.00</b>



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

**Municipal Water District of Orange County  
Disbursement Approval Report  
For the month of February 2022**

Vendor/ Invoice	Description	Amount to Pay
<b>Core Disbursements:</b>		
<b>ABSG Consulting Inc</b>		
5107836	December 2021 Owner's Representative for MWDOC office remodel	8,595.00
***Total***		<u>8,595.00</u>
<b>Richard C Ackerman</b>		
1324	January 2022 Legal Consulting on Water Issues	3,350.00
***Total***		<u>3,350.00</u>
<b>Aleshire &amp; Wynder LLP</b>		
65873	11/19/21-12/31/21 Legal Services	1,282.50
***Total***		<u>1,282.50</u>
<b>Best Best and Krieger LLP</b>		
55401-DEC21	December 2021 Legal Services	5,366.60
924766	December 2021 Services for State legislative advocacy	8,000.00
***Total***		<u>13,366.60</u>
<b>CDM Smith</b>		
90143951	11/28/21-1/29/22 Services for water resource planning	7,432.50
***Total***		<u>7,432.50</u>
<b>CSU Fullerton ASC</b>		
AR171623	January-March, 2022 Center for Demographic Research support	13,797.33
***Total***		<u>13,797.33</u>
<b>EEL Systems-Kendal Stechauner</b>		
15601	Final payment for hand held microphone in conference room 101 for MWDOC Office Remodel	761.25
***Total***		<u>761.25</u>
<b>GovConnection Inc</b>		
72310330	Acrobat Pro DC license for new staff	136.00
72401821	Windows Desktop Management software	1,575.52
***Total***		<u>1,711.52</u>
<b>Green's Security Centers Inc</b>		
91247	Install lock on privacy room for MWDOC office remodel	357.52
***Total***		<u>357.52</u>

**Municipal Water District of Orange County  
Disbursement Approval Report  
For the month of February 2022**

<b>Vendor/ Invoice</b>	<b>Description</b>	<b>Amount to Pay</b>
<b>Hashtag Pinpoint Corporation</b>		
1521	January 2022 Social Media consultation & service	7,913.00
***Total***		<u>7,913.00</u>
<b>IDS Group Inc</b>		
18X093.0-17	December 2021 Seismic retrofit design and project support MWDOC office remodel	100.49
***Total***		<u>100.49</u>
<b>Jill Promotions</b>		
11292	Beverage Travel Mugs for MWDOC staff	994.56
***Total***		<u>994.56</u>
<b>Markham Designs LLC</b>		
1	Update four Board member nameplates	150.08
***Total***		<u>150.08</u>
<b>Means Consulting-Edward G Means III</b>		
MWDOC-1305	January 2022 East Orange County Feeder #2 Emergency Pilot Project consulting services	1,375.00
***Total***		<u>1,375.00</u>
<b>Mega Maids Cleaning Service</b>		
12268	January 2022 Cleaning services for COVID-19 prevention	800.00
***Total***		<u>800.00</u>
<b>Metropolitan West Inc</b>		
9374	Final payment on door logo and film for conference room 101 and privacy room	849.60
***Total***		<u>849.60</u>
<b>Natural Resource Results LLC</b>		
3740	January 2022 Federal legislative advocacy services	8,000.00
***Total***		<u>8,000.00</u>
<b>NDS</b>		
792688	10/29/21 Board packet delivery service	278.86
795290	1/7/22 Board packet delivery service	303.52
796359	1/14/22 Board packet delivery service	231.81
796443	1/28/22 Board packet delivery service	186.50
***Total***		<u>1,000.69</u>

**Municipal Water District of Orange County  
Disbursement Approval Report  
For the month of February 2022**

<b>Vendor/ Invoice</b>	<b>Description</b>	<b>Amount to Pay</b>
<b>Office Depot Inc</b>		
216372363001	1/17/22 Office supplies	356.08
216522569001	1/17/22 Office supplies	14.89
218775065001	1/14/22 Office supplies	272.52
218775065002	1/18/22 Office supplies	27.18
218796168001	1/17/22 Office supplies	29.78
221264657001	1/17/22 Office supplies	7.11
221264657002	1/20/22 Office supplies	49.92
222764803001	Credit for returned office supplies-Invoice 216372363001	(165.71)
222964799001	Credit for returned office supplies-Invoice 216372363001	(83.03)
223331857001	Credit for returned office supplies-Invoice 216522569001	(14.89)
224722838001	1/31/22 Office supplies	5.75
224723437001	1/31/22 Office supplies	90.87
<b>***Total***</b>		<b>590.47</b>
<b>Office Solutions</b>		
I-01964804	Six cartons of copy paper	269.09
<b>***Total***</b>		<b>269.09</b>
<b>Orange County Water District</b>		
23924	December 2021 Postage, shared office and maintenance expense	21,605.48
<b>***Total***</b>		<b>21,605.48</b>
<b>Outdoor Dimensions LLC</b>		
513291	Additional Indoor Office Signage for MWDOC office remodel	97.88
<b>***Total***</b>		<b>97.88</b>
<b>Paul Redvers Brown Inc</b>		
DOC005	January 2022 MWDOC Facilitated Member Agency Discussions Project services	10,947.50
<b>***Total***</b>		<b>10,947.50</b>
<b>Judy Pfister</b>		
123121	October-December, 2021 Retiree medical premium	445.50
<b>***Total***</b>		<b>445.50</b>
<b>Sonoma County Water Agency</b>		
904	QWEL Annual Program Fee for Calendar Year 2021	1,000.00
<b>***Total***</b>		<b>1,000.00</b>
<b>Soto Resources-Joey C Soto</b>		
GA-JAN-53	January 2022 Grant Research and Acquisition services	3,250.00
<b>***Total***</b>		<b>3,250.00</b>

**Municipal Water District of Orange County  
Disbursement Approval Report  
For the month of February 2022**

<b>Vendor/ Invoice</b>	<b>Description</b>	<b>Amount to Pay</b>
<b>Spiral Holding LLC</b>		
867	Annual maintenance contract renewal for binding machine	820.00
***Total***		<b>820.00</b>
<b>Tevora Business Solutions Inc</b>		
SIN003757	50% Initial payment for Critical security controls review	18,500.00
***Total***		<b>18,500.00</b>
<b>Water District Jobs-Stephen Hirano</b>		
1232201	Water Loss Control Shared Services Technician and Intern job postings	290.00
***Total***		<b>290.00</b>
<b>Water Systems Optimization Inc</b>		
2149	December 2021 Technical Assistance Program services for Water Loss Control	640.00
2150	December 2021 Services for Water Loss Control Shared Services template development	920.00
2159	January 2022 Technical Assistance Program services for Water Loss Control	27,340.00
***Total***		<b>28,900.00</b>
<b>Total Core Expenditures</b>		<b>158,553.56</b>
<b>Choice Expenditures:</b>		
<b>Building Block Entertainment Inc</b>		
3472-5	January 2022 Choice Elementary School Program K-2	6,700.00
***Total***		<b>6,700.00</b>
<b>Jill Promotions</b>		
11302	Water Loss Control Shared Services uniform shirts for new staff	232.91
***Total***		<b>232.91</b>
<b>Mission RCD</b>		
3134	January 2022 Field inspection and verification for Water Use Efficiency rebate programs	5,105.94
***Total***		<b>5,105.94</b>
<b>Orange County Dept of Education</b>		
94RI2777	December 2021 Choice School Programs for 3-5 grades	5,231.98
***Total***		<b>5,231.98</b>
<b>Utility Services Associates LLC</b>		
126448	November-December 2021 Leak Detection services	15,147.36
***Total***		<b>15,147.36</b>
<b>Total Choice Expenditures</b>		<b>32,418.19</b>

**Municipal Water District of Orange County  
Disbursement Approval Report  
For the month of February 2022**

<b>Vendor/ Invoice</b>	<b>Description</b>	<b>Amount to Pay</b>
<b>Other Funds Expenditures:</b>		
<b>Herndon Solutions Group LLC</b>		
INV-0000002410	December 2021 Services to assist with America's Water Infrastructure Act compliance	20,565.25
***Total***		<u>20,565.25</u>
<b>Large Plumbing</b>		
25828	December 2021 Services for Pressure Regulating Valve program	1,295.00
***Total***		<u>1,295.00</u>
<b>Mission RCD</b>		
3134	January 2022 Field inspection and verification for Water Use Efficiency rebate programs	6,552.74
***Total***		<u>6,552.74</u>
<b>County of Orange</b>		
SC13300	1/1/22-3/31/22 WEROC Radio System operations and maintenance costs	312.00
***Total***		<u>312.00</u>
<b>The Plant Nerd, Inc</b>		
6999	January 2022 Landscape Design and Maintenance Assistance programs	20,900.00
***Total***		<u>20,900.00</u>
<b>Utility Services Associates LLC</b>		
126448	November-December 2021 Leak Detection services	17,885.44
***Total***		<u>17,885.44</u>
<b>Water Systems Optimization Inc</b>		
2149	December 2021 Technical Assistance Program services for Water Loss Control	14,940.00
***Total***		<u>14,940.00</u>
<b>Total Other Funds Expenditures</b>		<u>82,450.43</u>
<b>Total Expenditures</b>		<u><u>273,422.18</u></u>



**Municipal Water District of Orange County  
Disbursement Ratification Report  
For the Month of January 2022**

<b>Name/ Date</b>	<b>Check/ EFT</b>	<b>Invoice</b>	<b>Description</b>	<b>Amount</b>
<b>Core Disbursements:</b>				
<b>Tiffany Baca</b>				
1/14/2022	EFT	113021	October-November 2021 Business expense	374.77
<b>***Total***</b>				<b>374.77</b>
<b>Corodata Records Management Inc</b>				
1/31/2022	EFT	RS4762364	December 2021 Records Storage fees	52.50
<b>***Total***</b>				<b>52.50</b>
<b>Rachel Davis</b>				
1/31/2022	EFT	121321	December 2021 Business expense	85.80
<b>***Total***</b>				<b>85.80</b>
<b>Lina Gunawan</b>				
1/31/2022	EFT	101921	October 2021 Business expense	20.00
1/31/2022	EFT	111921	November 2021 Business expense	20.00
1/31/2022	EFT	121921	December 2021 Business expense	20.00
<b>***Total***</b>				<b>60.00</b>
<b>Melissa Haley</b>				
1/31/2022	EFT	121621	December 2021 Business expense	200.35
<b>***Total***</b>				<b>200.35</b>
<b>Robert Hunter</b>				
1/31/2022	EFT	121621	December 2021 Business expense	808.37
<b>***Total***</b>				<b>808.37</b>
<b>Igoe</b>				
1/27/2022	EFT	254132	Annual Flexible Benefit Plan administrative fee	600.00
<b>***Total***</b>				<b>600.00</b>
<b>Al Nederhood</b>				
1/31/2022	EFT	121621	December 2021 Business expense	257.56
<b>***Total***</b>				<b>257.56</b>
<b>Patrick Dinh</b>				
1/14/2022	EFT	100039253	Reimburse Empower overpayment	216.99
<b>***Total***</b>				<b>216.99</b>
<b>Ricoh USA Inc</b>				
1/31/2022	EFT	5063514648	9/29/21-12/28/21 Ricoh copier Maintenance	30.67
<b>***Total***</b>				<b>30.67</b>

**Municipal Water District of Orange County  
Disbursement Ratification Report  
For the Month of January 2022**

<b>Name/ Date</b>	<b>Check/ EFT</b>	<b>Invoice</b>	<b>Description</b>	<b>Amount</b>
<b>Karl Seckel</b>				
1/31/2022	EFT	120221	December 2021 Business expense	83.76
<b>***Total***</b>				<b>83.76</b>
<b>Spectrum Business</b>				
1/27/2022	140662	343564011022	January 2022 Telephone expense for 1 analog fax line	39.99
1/05/2022	140645	375210123021	January 2022 Telephone and internet expense	1,426.82
<b>***Total***</b>				<b>1,466.81</b>
<b>US Bank</b>				
1/31/2022	140719	0208/4192/4279-DEC21	11/23/21-12/22/21 Cal Card Charges	21,984.51
<b>***Total***</b>				<b>21,984.51</b>
<b>Verizon Wireless</b>				
1/12/2022	140646	9895776803	December 2021 4G Mobile broadband unlimited service	114.03
<b>***Total***</b>				<b>114.03</b>
<b>Total Core Disbursements</b>				<b>26,336.12</b>
<b>Choice Disbursements:</b>				
<b>Rachel Davis</b>				
1/31/2022	EFT	121321	December 2021 Business expense	70.32
<b>***Total***</b>				<b>70.32</b>
<b>US Bank</b>				
1/31/2022	140719	4279-DEC21	11/23/21-12/22/21 Cal Card Charges	1,325.63
<b>***Total***</b>				<b>1,325.63</b>
<b>US Bank Voyager Fleet Systems</b>				
1/14/2022	EFT	8694349932152	11/25/21-12/24/21 Fuel for Water Loss Control Shared Services vehicles	308.44
1/31/2022	EFT	8694349932205	12/25/21-1/24/22 Fuel for Water Loss Control Shared Services vehicles	255.99
<b>***Total***</b>				<b>564.43</b>
<b>Total Choice Disbursements</b>				<b>1,960.38</b>

**Municipal Water District of Orange County  
Disbursement Ratification Report  
For the Month of January 2022**

<b>Name/ Date</b>	<b>Check/ EFT</b>	<b>Invoice</b>	<b>Description</b>	<b>Amount</b>
<b>Other Funds Disbursements:</b>				
<b>AT&amp;T</b>				
1/14/2022	140649	17531624	December 2021 Telephone expense for WEROC N. & S. EOC	433.95
<b>***Total***</b>				<b>433.95</b>
<b>Mesa Water District</b>				
1/14/2022	EFT	10682	November 2021 Credit for Local Resources program	14,240.00
<b>***Total***</b>				<b>14,240.00</b>
<b>Metropolitan Water District</b>				
1/31/2022	EFT013122	10621	November 2021 Water deliveries	21,115,005.22
<b>***Total***</b>				<b>21,115,005.22</b>
<b>Santa Margarita Water District</b>				
1/31/2022	EFT	111521	November 2021 SCP Pipeline Operation Surcharge	25,874.62
<b>***Total***</b>				<b>25,874.62</b>
<b>Santiago Aqueduct Commission</b>				
1/31/2022	140717	111521	November 2021 SAC Pipeline Operation Surcharge	2,731.52
<b>***Total***</b>				<b>2,731.52</b>
<b>Spray to Drip Rebate</b>				
1/28/2022	140668	S2D3-C-SOCO-39576-17620	Cape Cove HOA Powerstone Mgmt Co (Dana Point)	10,271.00
1/28/2022	140694	S2D4-C-SOCO-42533-18089	Niguel Beach Terrace (Dana Point)	22,500.00
1/28/2022	140691	S2D4-R-IRWD-41199-17806	P. Maimone	1,945.30
1/28/2022	140670	S2D4-R-O-42592-18116	J. Ceballos	626.50
1/28/2022	140698	S2D4-R-SC-41617-18008	J. Rooks	180.00
1/28/2022	140683	S2D5-C-IRWD-12274-18177	Irvine Company (Irvine)	2,025.00
1/28/2022	140708	S2D5-C-TUST-41575-18161	Walnut Park Community Association (Tustin)	2,652.50
1/28/2022	140665	S2D5-R-BREA-37395-18354	J. Bogle-Hwang	474.50
1/28/2022	140672	S2D5-R-IRWD-42970-18167	Y. Choy	247.10
1/28/2022	140680	S2D5-R-LB-44290-18227	C. Hockenberry	656.00
1/28/2022	140676	S2D5-R-SC-44570-18271	R. Frank	1,028.00
<b>***Total***</b>				<b>42,605.90</b>

**Municipal Water District of Orange County  
Disbursement Ratification Report  
For the Month of January 2022**

<b>Name/ Date</b>	<b>Check/ EFT</b>	<b>Invoice</b>	<b>Description</b>	<b>Amount</b>
<b>Turf Rebate</b>				
1/28/2022	140669	TR13-C-SOCO-39576-38418	Cape Cove HOA Powerstone Mgmt Co (Dana Point)	61,626.00
1/28/2022	140707	TR14-R-ETWD-42470-41225	J. Vora	2,430.00
1/28/2022	140692	TR14-R-IRWD-41199-39998	P. Maimone	5,558.00
1/28/2022	140693	TR14-R-IRWD-42458-41165	T. Nguyen	599.99
1/28/2022	140702	TR14-R-MESA-41804-40546	A. Sanders	711.18
1/28/2022	140690	TR14-R-MNT-41952-40702	R. Lutzky	2,940.00
1/28/2022	140663	TR14-R-MNT-42241-40971	N. Ansari	640.00
1/28/2022	140697	TR14-R-O-41707-40464	M. Reza	3,000.00
1/28/2022	140682	TR14-R-O-42316-41043	M. Humenik	9,392.00
1/28/2022	140671	TR14-R-O-42592-41284	J. Ceballos	1,882.00
1/28/2022	140699	TR14-R-SC-41617-40390	J. Rooks	1,180.00
1/28/2022	140675	TR14-R-SM-41625-40396	D. Flores	1,582.00
1/28/2022	140689	TR14-R-WEST-41648-40414	T. Leonard	4,538.78
1/28/2022	140695	TR15-C-IRWD-4463-42810	Northwood Glen (Irvine)	12,419.34
1/28/2022	140688	TR15-C-MNT-4463-42806	Laguna Sur Community (Laguna Niguel)	141,629.54
1/28/2022	140706	TR15-C-NWPT-4463-42967	Villa Balboa Community Association (Newport Beach)	10,144.55
1/28/2022	140664	TR15-C-NWPT-4463-42968	Big Canyon Community Association (Newport Beach)	88,311.00
1/28/2022	140667	TR15-C-NWPT-4463-43165	Canyon Mesa Comm. Association (Newport Beach)	18,612.00
1/28/2022	140709	TR15-C-TUST-42916-41575	Walnut Park Community Association (Tustin)	17,094.00
1/28/2022	140666	TR15-R-BREA-37395-44483	J. Bogle-Hwang	4,410.00
1/28/2022	140687	TR15-R-BREA-43055-41709	E. Kim	2,091.00
1/28/2022	140684	TR15-R-FV-44192-42824	A. Jessup	1,326.00
1/28/2022	140703	TR15-R-IRWD-42713-41388	Z. Shaik	2,236.00
1/28/2022	140679	TR15-R-IRWD-44404-43053	A. Heckman	1,724.00
1/28/2022	140678	TR15-R-IRWD-45882-44516	J. Gu	1,279.83
1/28/2022	140681	TR15-R-LB-44290-42927	C. Hockenberry	2,350.00
1/28/2022	140705	TR15-R-MNT-42784-43153	S. Vickery	1,220.00
1/28/2022	140673	TR15-R-MNT-42826-41496	J. Dean	1,528.00
1/28/2022	140685	TR15-R-MNT-42908-41567	A. Jeung	6,724.00
1/28/2022	140700	TR15-R-MNT-44134-42781	J. Rosenthal	7,196.00
1/28/2022	140701	TR15-R-MNT-44452-43118	F. Sadeghi	2,653.52
1/28/2022	140674	TR15-R-O-44499-43151	J. Diaz	6,684.00
1/28/2022	140677	TR15-R-SC-44570-43219	R. Frank	2,274.00
1/28/2022	140704	TR15-R-SM-45864-44499	K. Trinh	726.00
1/28/2022	140686	TR15-R-TUST-44311-42949	S. Kasparian	3,894.00
1/28/2022	140696	TR15-R-WEST-42160-40902	V. Pettengill	1,720.00
<b>***Total***</b>				<b>434,326.73</b>

**Municipal Water District of Orange County  
Disbursement Ratification Report  
For the Month of January 2022**

<b>Name/ Date</b>	<b>Check/ EFT</b>	<b>Invoice</b>	<b>Description</b>	<b>Amount</b>
<b>US Bank</b>				
1/31/2022	140719	6066-DEC21	11/23/21-12/22/21 Cal Card Charges - WEROC	2,259.23
***Total***				<u>2,259.23</u>
<b>Verizon Wireless</b>				
1/12/2022	140646	9895776803	December 2021 4G Mobile broadband unlimited service	76.02
***Total***				<u>76.02</u>
<b>Total Other Funds Disbursements</b>				<u>21,637,553.19</u>
<b>Total Disbursements</b>				<u><u>21,665,849.69</u></u>



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

**Cal Card Charges**  
**Statement Date: December 22, 2021**  
**Payment Date: January 31, 2022**

Date	Description	Amount
<b>R. Hunter Card:</b>		
11/29/2021	R. Hunter business dinner meeting	76.66 <sup>1</sup>
12/16/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 14-16, 2021 - Accommodations, parking, and transportation for R. Hunter	350.74
12/17/2021	Staff Holiday luncheon	2,830.68
<b>Total:</b>		<b>3,258.08</b>
<b>C. Harris Card:</b>		
11/15/2021	ACTI Annual support renewal for FY21-22	2,660.00
11/18/2021	North American Water Loss Conference 2021 in Austin, TX from December 7-9, 2021 - Registration for R. Davis	425.00
11/18/2021	FedEx delivery charge on November 18, 2021	39.87
11/19/2021	Computer accessories for staff	440.50
11/22/2021	Uniform for Water Loss Control Shared Services new intern	207.43
11/22/2021	Service to modify FORTECH Web App for browser compatibility	633.00
11/23/2021	Uniform for Water Loss Control Shared Services new intern	135.94
11/23/2021	Sympathy flowers for staff member	69.58
11/24/2021	10/25/21-11/24/21 Web hosting service for MWDOC website	15.67
11/24/2021	FedEx delivery charge on November 24, 2021	27.04
11/29/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 14-16, 2021 - Airfare for H. Baez	385.96
11/29/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 14-16, 2021 - Airfare for M. Baum-Haley	385.96
11/30/2021	Office supplies	240.38
12/01/2021	Staff baby shower luncheon	380.89
12/01/2021	Sympathy flowers for staff member	85.81
12/02/2021	ACWA Fall Conference in Pasadena, CA from 11/30/21-12/2/21 - Accommodations for H. De La Torre	767.93 <sup>2</sup>
12/02/2021	ACWA Fall Conference in Pasadena, CA from 11/30/21-12/2/21 - Accommodations for H.	746.76 <sup>3</sup>
12/02/2021	ACWA Fall Conference in Pasadena, CA from 11/30/21-12/2/21 - Accommodations for M. Baum-Haley	481.52
12/07/2021	Desk nameplates for six new staff members	94.73
12/08/2021	Price adjustment on five laptops for staff	(217.50)
12/08/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 14-16, 2021 - Airfare for R. Hunter	273.95
12/09/2021	Docking stations and HDMI cables for staff	741.85
12/09/2021	Refund for defective docking station	(217.49)
12/09/2021	Uniform for new Water Loss Control Shared Services Technician	132.87
12/09/2021	Uniform for new Water Loss Control Shared Services Technician	140.28
12/09/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 14-16, 2021 - Airfare for Director Nederhood	273.95
12/10/2021	Docking station for Principal Water Resources Analyst	332.75
12/10/2021	Uniform for new Water Loss Control Shared Services Technician	76.11
12/10/2021	Replacement computer monitor for Principal Water Resources Analyst	200.74
12/10/2021	North American Water Loss Conference 2021 in Austin, TX from December 7-9, 2021 - Accommodations for J. Berg	684.11

**Cal Card Charges**  
**Statement Date: December 22, 2021**  
**Payment Date: January 31, 2022**

Date	Description	Amount
<b>C. Harris Card continued:</b>		
12/10/2021	North American Water Loss Conference 2021 in Austin, TX from December 7-9, 2021 - Accommodations for R. Davis	668.04
12/10/2021	CalChamber annual membership renewal	849.00
12/13/2021	Sub Zero annual maintenance	179.00
12/13/2021	December 2021 Prework Screen subscription for Covid-19 Prevention	175.56
12/14/2021	OC Chapter-California Landscape Contractors Association annual membership renewal	1,625.00
12/15/2021	Eight windows rescreened at MWDOC office	412.00
12/16/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 13-16, 2021 - Accommodations and meals for Director Thomas	725.64 <sup>4</sup>
12/16/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 14-16, 2021 - Accommodations for Director Nederhood	229.02
12/16/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 13-16, 2021 - Accommodations and meal for H. Baez	521.91
12/16/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 13-16, 2021 - Accommodations for M. Baum-Haley	421.76
<b>Total:</b>		<b>16,452.52</b>
<b>Public Affairs Card:</b>		
11/30/2021	12/1/21 Staff baby shower supplies	60.76
11/30/2021	Key duplication	9.77
12/02/2021	12/2/21-1/1/22 Zoom Video Communications monthly fee with audio licenses	174.93
12/03/2021	December 2021 Public Storage Unit for Public Affairs	360.00
12/09/2021	California Association of Public Information Officials webinar on December 16, 2021 - Registration for T. Baca	20.00
12/15/2021	CAPIO Annual membership renewal for T. Baca	275.00
12/16/2021	Team building lunch	76.28
12/16/2021	Maven's Notebook annual sponsorship renewal	2,622.80
<b>Total:</b>		<b>3,599.54</b>
<b>WEROC Card:</b>		
11/22/2021	Office supplies for N. EOC	45.70
11/23/2021	Office supplies for N. EOC	31.30
11/23/2021	Maintenance supplies for N. EOC	42.88
11/23/2021	Maintenance supplies for N. EOC	31.29
11/23/2021	Office supply for WEROC N. EOC	14.12
11/24/2021	Standard pallet jack	497.62
12/02/2021	Annual OCEMO Meeting and Awards Luncheon	1,458.07
12/09/2021	Cleaning supplies and stock rotation for N. EOC	138.25
<b>Total:</b>		<b>2,259.23</b>

<sup>1</sup> R. Hunter reimbursed MWDOC \$24.28

<sup>2</sup> Price adjustment received 1/24/22 for \$217.29

<sup>3</sup> Price adjustment received 1/24/22 for \$227.24

<sup>4</sup> Director Thomas to reimburse MWDOC \$17.34

**Municipal Water District of Orange County**  
**GM Approved Disbursement Report <sup>(1)</sup>**  
**For the Month of January 2022**

Name/ Date	Check/ EFT	Invoice	Description	Amount
<b>Core Disbursements:</b>				
<b>Orange County Business Council</b>				
1/31/2022	140715	0010791-IN	2022 Annual membership renewal	5,000.00
***Total***				5,000.00
<b>County of Orange</b>				
1/20/2022	EFT	PW220304	FY21-22 Coop agreement South OC Watershed Management	3,374.85
***Total***				3,374.85
<b>Total Core Disbursements</b>				8,374.85
<b>Choice Disbursements:</b>				
<b>Total Choice Disbursements</b>				-
<b>Other Funds Disbursements:</b>				
<b>Total Other Funds Disbursements</b>				-
<b>Total Disbursements</b>				8,374.85

  
 Robert J. Hunter, General Manager

  
 Hilary Chumpitazi, Treasurer

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





**Municipal Water District of Orange County**  
**Consolidated Summary of Cash and Investment**  
 December 31, 2021

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](http://www.mwdoc.com)

Megan Yoo Schneider, P.E.  
 President

Bob McVicker, P.E., D.WRE  
 Vice President

Al Nederhood  
 Director

Larry D. Dick  
 Director

Karl W. Seckel, P.E.  
 Director

Sat Tamaribuchi  
 Director

Jeffrey 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  
 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
<b>Designated Reserves</b>		
General Operations	\$3,738,505	21.03%
Grant & Project Cash Flow	1,500,000	8.44%
Election Expense	461,678	2.60%
Building Repair	436,542	2.46%
OPEB	297,147	1.67%
<b>Total Designated Reserves</b>	<b>6,433,872</b>	<b>36.20%</b>
<b>General Fund</b>	<b>\$7,631,726</b>	<b>42.91%</b>
<b>Water Fund</b>	<b>2,905,571</b>	<b>16.34%</b>
<b>Conservation Fund</b>	<b>(501,126)</b>	<b>(2.82%)</b>
<b>WEROC Fund</b>	<b>1,291,769</b>	<b>7.26%</b>
<b>Trustee Activities</b>	<b>18,989</b>	<b>0.11%</b>
<b>Total</b>	<b>\$17,780,801</b>	<b>100.00%</b>

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	2.78%	\$493,558	\$493,558
<b>Short-term investment</b>			
• LAIF	17.83%	3,170,442	3,170,442
• OCIP	61.96%	11,016,698	11,016,698
<b>Long-term investment</b>			
• US Government Issues	1.41%	249,898	246,845
• Corporate Bond	7.87%	1,400,205	1,365,275
• Certificates of Deposit	8.15%	1,450,000	1,491,930
<b>Total</b>	<b>100.00%</b>	<b>\$17,780,801</b>	<b>\$17,784,748</b>

The average number of days to maturity/call as of December 31, 2021 equaled 109 and the average yield to maturity is 0.579%. During the month, the District's average daily balance was \$27,568,521.31. Funds were invested in US Bank Money Market, Negotiable Certificate of Deposits, Corporate Bonds, US Government Issues, the Local Agency Investment Funds (LAIF) and the Orange County Investment Pool (OCIP) during the month of December 2021.

The \$3,947 difference between the book value and the market value on December 31, 2021 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, 2021

12/31/2021	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Negotiable Certificate Of Deposit	1,450,000.00	1,491,930.00	1,450,000.00	8.39	799	2.440
Corporate Bond	1,400,000.00	1,365,275.50	1,400,204.97	8.10	502	1.341
US Government Issues	250,000.00	246,845.00	249,898.41	1.45	57	0.860
Local Agency Investment Funds	3,170,441.65	3,170,441.65	3,170,441.65	18.34	1	0.206
Orange County Investment Pool	11,016,697.83	11,016,697.83	11,016,697.83	63.72	1	0.338
<b>Total Investments</b>	<b>17,287,139.48</b>	<b>17,291,189.98</b>	<b>17,287,242.86</b>	<b>100.00</b>	<b>109</b>	<b>0.579</b>
<b>Cash</b>						
Cash	493,557.77	493,557.77	493,557.77		1	0.00
<b>Total Cash and Investments</b>	<b>17,780,697.25</b>	<b>17,784,747.75</b>	<b>17,780,800.63</b>		<b>109</b>	<b>0.579</b>

Total Earnings	Month Ending December	Fiscal Year to Date
Current Year	11,144.22	69,523.42
Average Daily Balance	27,568,521.31	
Effective Rate of Return	0.579%	

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 U.S. Bank. Per Resolution 2059 there are no compliance exceptions to report.

  
Robert J. Hunter, General Manager

Date

  
Hilary Chumtazi, Treasurer

Date

02/03/2022

**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**  
**Portfolio Management**  
**Long-Term Portfolio Details - Investments**  
**December 31, 2021**

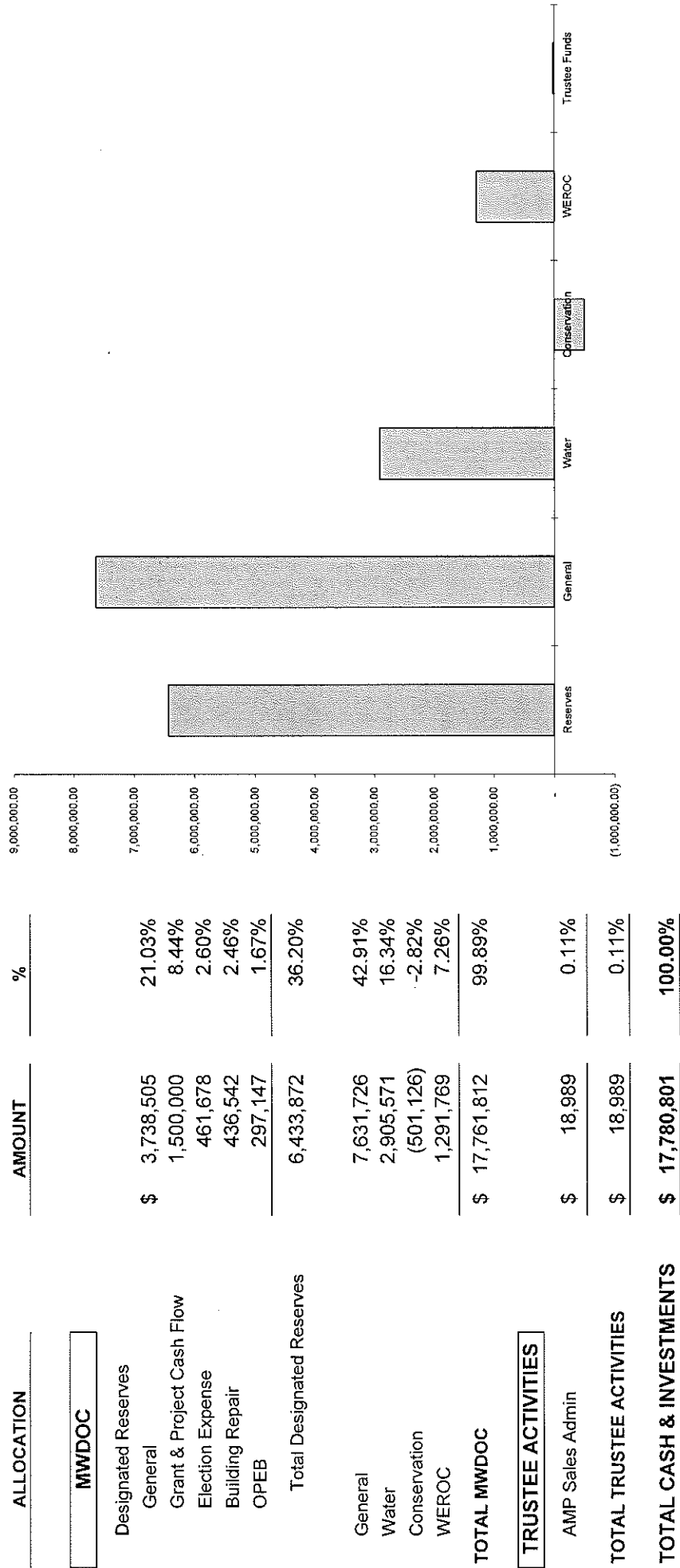
Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
<b>Negotiable Certificate Of Deposit</b>									
Barclays Bank	06740KKY2	9/27/2017	250,000.00	253,595.00	250,000.00	2.250	2.250	270	9/27/2022
Capital One Bank	14042TBQ9	8/7/2019	250,000.00	259,327.50	250,000.00	2.250	2.250	950	8/7/2024
Capital One NA	14042RMJ7	7/24/2019	250,000.00	258,935.00	250,000.00	2.200	2.200	936	7/24/2024
Discover Bank	254673RV0	7/25/2018	250,000.00	260,840.00	250,000.00	3.300	3.300	571	7/25/2023
Goldman Sachs Bank	38148PT98	8/8/2018	250,000.00	261,262.50	250,000.00	3.350	3.350	585	8/8/2023
Sallie Mae Bank	7954507A7	7/14/2021	200,000.00	197,970.00	200,000.00	1.000	1.000	1,656	7/14/2026
<b>Sub Total</b>			<b>1,450,000.00</b>	<b>1,491,930.00</b>	<b>1,450,000.00</b>	<b>2.440</b>	<b>2.440</b>	<b>799</b>	
<b>US Government Issues</b>									
FHLB	3130ALGR9	3/1/2021	250,000.00	246,845.00	249,898.41	0.850	0.860	57	2/26/2026
<b>Sub Total</b>			<b>250,000.00</b>	<b>246,845.00</b>	<b>249,898.41</b>	<b>0.850</b>	<b>0.860</b>	<b>57</b>	
<b>Corporate Bond</b>									
Bank of America Corp	06048WK41	12/7/2020	250,000.00	239,275.00	250,000.00	0.650	0.800	1,425	11/25/2025
Citigroup Global Markets	17328WFZ6	9/16/2020	250,000.00	241,742.50	250,000.00	1.000	1.000	75	9/16/2025
JP Morgan Chase	48128GV56	8/18/2020	250,000.00	240,487.50	250,000.00	0.800	0.800	961	8/18/2025
National Rural Utili Coop	69743FE51	7/27/2017	200,000.00	200,784.00	200,000.00	2.500	2.500	196	7/15/2022
Societe Generale	83369MD25	8/19/2020	250,000.00	240,912.50	250,000.00	1.000	1.088	50	8/19/2025
Westpac Banking Corp	951214DQ3	7/25/2017	200,000.00	202,074.00	200,204.97	2.500	2.278	179	6/28/2022
<b>Sub Total</b>			<b>1,400,000.00</b>	<b>1,365,275.50</b>	<b>1,400,204.97</b>	<b>1.330</b>	<b>1.341</b>	<b>502</b>	
<b>Total Investments</b>			<b>3,100,000.00</b>	<b>3,104,050.50</b>	<b>3,100,103.38</b>	<b>1.810</b>	<b>1.816</b>	<b>605</b>	

			Month Ending December	Fiscal Year To Date
<b>Total Earnings</b>				
Current Year			4,757.85	28,165.92

**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**  
**Portfolio Management**  
**Short-Term Portfolio Details - Cash and Investments**  
**December 31, 2021**

Investments	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
<b>Local Agency Investment Funds</b>									
LAIF LGIP	LAIF	6/30/2010	3,170,441.65	3,170,441.65	3,170,441.65	0.206	0.206	1	N/A
<b>Sub Total</b>			<b>3,170,441.65</b>	<b>3,170,441.65</b>	<b>3,170,441.65</b>	<b>0.206</b>	<b>0.206</b>	<b>1</b>	
<b>Orange County Investment Pool</b>									
County of Orange LGIP	OCIP	6/29/2005	11,016,697.83	11,016,697.83	11,016,697.83	0.338	0.338	1	N/A
<b>Sub Total</b>			<b>11,016,697.83</b>	<b>11,016,697.83</b>	<b>11,016,697.83</b>	<b>0.338</b>	<b>0.338</b>	<b>1</b>	
<b>Total Investments</b>			<b>14,187,139.48</b>	<b>14,187,139.48</b>	<b>14,187,139.48</b>	<b>0.309</b>	<b>0.309</b>		
<b>Cash</b>									
Petty Cash Cash	CASH	7/1/2010	500.00	500.00	500.00	0.000	0.000	1	N/A
US Bank Cash	CASHUSBANK	7/25/2018	493,057.77	493,057.77	493,057.77	0.000	0.000	1	N/A
<b>Total Cash</b>			<b>493,557.77</b>	<b>493,557.77</b>	<b>493,557.77</b>	<b>0.000</b>	<b>0.000</b>	<b>1</b>	
<b>Total Cash and Investments</b>			<b>14,680,697.25</b>	<b>14,680,697.25</b>	<b>14,680,697.25</b>	<b>0.309</b>	<b>0.309</b>	<b>1</b>	
<b>Total Earnings</b>									
Current Year		Month Ending December	6,386.37	Fiscal Year To Date		41,357.50			

Municipal Water District of Orange County  
Cash and Investments at December 31, 2021



**MUNICIPAL WATER DIST OF ORANGE COUNTY**  
**PARS Post-Employment Benefits Trust****Account Report for the Period**  
**12/1/2021 to 12/31/2021**Rob Hunter  
General Manager  
Municipal Water Dist of Orange County  
18700 Ward Street  
Fountain Valley, CA 92708**Account Summary**

Source	Balance as of 12/1/2021	Contributions	Earnings	Expenses	Distributions	Transfers	Balance as of 12/31/2021
OPEB	\$2,776,287.51	\$0.00	\$54,062.04	\$1,390.84	\$0.00	\$0.00	\$2,828,958.71
PENSION	\$977,052.74	\$0.00	\$19,025.94	\$489.48	\$0.00	\$0.00	\$995,589.20
<b>Totals</b>	<b>\$3,753,340.25</b>	<b>\$0.00</b>	<b>\$73,087.98</b>	<b>\$1,880.32</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$3,824,547.91</b>

**Investment Selection**

Source	
OPEB	<b>Moderate HighMark PLUS</b>
PENSION	<b>Moderate HighMark PLUS</b>

**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**

Source	1-Month	3-Months	1-Year	Annualized Return			Plan's Inception Date
				3-Years	5-Years	10-Years	
OPEB	1.95%	3.16%	9.34%	13.14%	9.53%	8.44%	10/26/2011
PENSION	1.95%	3.16%	9.30%	13.11%	-	-	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

# NET PERFORMANCE FEE ANALYSIS

As of December 31, 2021

## Over 1 Year

PARS/HIGHMARK		
<b>Moderate</b> (50% Fixed Income/Cash)	9.31%	
minus weighted PARS administration fee	(-) 0.25%	
minus weighted HighMark investment management fee	(-) 0.35%	
<b>1-Year Net Return</b>	<b>8.71%</b>	
CALPERS CERBT		
<b>Strategy 2</b> (48% Fixed Income/Cash)	10.13%	
minus fees	(-) 0.10%	
<b>1-Year Net Return</b>	<b>10.04%</b>	

## Over 3 Years

PARS/HIGHMARK		
<b>Moderate</b> (50% Fixed Income/Cash)	13.26%	
minus weighted PARS administration fee	(-) 0.25%	
minus weighted HighMark investment management fee	(-) 0.35%	
<b>3-Year Net Return</b>	<b>12.66%</b>	
CALPERS CERBT		
<b>Strategy 2</b> (48% Fixed Income/Cash)	13.79%	
minus fees	(-) 0.10%	
<b>3-Year Net Return</b>	<b>13.69%</b>	

## Over 5 Years

PARS/HIGHMARK		
<b>Moderate</b> (50% Fixed Income/Cash)	9.56%	
minus weighted PARS administration fee	(-) 0.25%	
minus weighted HighMark investment management fee	(-) 0.35%	
<b>5-Year Net Return</b>	<b>8.96%</b>	
CALPERS CERBT		
<b>Strategy 2</b> (48% Fixed Income/Cash)	9.63%	
minus fees	(-) 0.10%	
<b>5-Year Net Return</b>	<b>9.54%</b>	

\* 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  
COMBINED FINANCIAL STATEMENTS  
AND  
BUDGET COMPARATIVE  
JULY 1, 2021 THRU DECEMBER 31, 2021**



**Municipal Water District of Orange County  
Combined Balance Sheet  
As of December 31, 2021**

	<u><b>Amount</b></u>
<b><u>ASSETS</u></b>	
Cash in Bank	493,557.77
Investments	17,287,242.86
Accounts Receivable	31,915,288.25
Accounts Receivable - Other	77,518.72
Accrued Interest Receivable	42,745.02
Prepays/Deposits	417,122.28
Leasehold Improvements	6,059,805.67
Furniture, Fixtures & Equipment	780,261.60
Less: Accumulated Depreciation	<u>(3,515,660.23)</u>
<b>TOTAL ASSETS</b>	<b><u>53,557,881.94</u></b>
<b><u>LIABILITIES AND FUND BALANCES</u></b>	
<b><u>LIABILITIES</u></b>	
Accounts Payable	32,527,032.69
Accounts Payable - Other	64.82
Accrued Salaries and Benefits Payable	589,930.76
Other Liabilities	2,309,644.65
Unearned Revenue	<u>443,410.26</u>
<b>TOTAL LIABILITIES</b>	<b><u>35,870,083.18</u></b>
<b><u>FUND BALANCES</u></b>	
<b><u>Restricted Fund Balances</u></b>	
Water Fund - T2C	<u>1,035,035.88</u>
Total Restricted Fund Balances	<u>1,035,035.88</u>
<b><u>Unrestricted Fund Balances</u></b>	
<b><u>Designated Reserves</u></b>	
General Operations	3,738,505.00
Grant & Project Cash Flow	1,500,000.00
Election Expense	461,678.00
Building Repair	436,542.00
OPEB	<u>297,147.00</u>
Total Designated Reserves	<u>6,433,872.00</u>
General Fund	5,028,867.71
General Fund Capital	373,228.00
WEROC Capital	159,687.58
WEROC	<u>246,196.60</u>
Total Unrestricted Fund Balances	<u>12,241,851.89</u>
<b><u>Excess Revenue over Expenditure</u></b>	
Operating Fund	4,378,973.36
Other Funds	<u>31,937.63</u>
<b>TOTAL FUND BALANCES</b>	<b><u>17,687,798.76</u></b>
<b>TOTAL LIABILITIES AND FUND BALANCES</b>	<b><u>53,557,881.94</u></b>

**Municipal Water District of Orange County**  
**Revenues and Expenditures Budget Comparative Report**  
**General Fund**  
**July 1, 2021 thru December 31, 2021**

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Encumbrance</u>	<u>Budget Remaining</u>
<b><u>REVENUES</u></b>						
Retail Connection Charge	0.00	8,357,232.00	8,357,232.00	100.00%	0.00	0.00
Ground Water Customer Charge	0.00	335,385.00	335,385.00	100.00%	0.00	0.00
<b>Water Rate Revenues</b>	<b>0.00</b>	<b>8,692,617.00</b>	<b>8,692,617.00</b>	<b>100.00%</b>	<b>0.00</b>	<b>0.00</b>
Interest Revenue	11,032.95	68,891.51	220,000.00	31.31%	0.00	151,108.49
<b>Subtotal</b>	<b>11,032.95</b>	<b>8,761,508.51</b>	<b>8,912,617.00</b>	<b>98.30%</b>	<b>0.00</b>	<b>151,108.49</b>
Choice Programs	0.00	1,238,181.23	1,515,775.00	81.69%	0.00	277,593.77
Miscellaneous Income	498.36	2,409.64	3,000.00	80.32%	0.00	590.36
Revenue - Other	0.00	1,360.00	0.00	0.00%	0.00	(1,360.00)
School Contracts	2,487.18	11,205.86	120,895.00	9.27%	0.00	109,689.14
Transfer-In from Reserve	0.00	0.00	95,745.00	0.00%	0.00	95,745.00
<b>Subtotal</b>	<b>2,985.54</b>	<b>1,253,156.73</b>	<b>1,735,415.00</b>	<b>72.21%</b>	<b>0.00</b>	<b>482,258.27</b>
<b>TOTAL REVENUES</b>	<b>14,018.49</b>	<b>10,014,665.24</b>	<b>10,648,032.00</b>	<b>94.05%</b>	<b>0.00</b>	<b>633,366.76</b>

**Municipal Water District of Orange County**  
**Revenues and Expenditures Budget Comparative Report**  
**General Fund**  
**July 1, 2021 thru December 31, 2021**

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Encumbrance</u>	<u>Budget Remaining</u>
<b>EXPENSES</b>						
Salaries & Wages	382,560.88	2,127,678.73	4,178,542.00	50.92%	0.00	2,050,863.27
Salaries & Wages - Grant Recovery	(7,702.75)	(14,007.19)	(18,665.00)	(75.05)%	0.00	(4,657.81)
Director's Compensation	18,336.08	128,679.99	288,800.00	44.56%	0.00	160,120.01
MWD Representation	10,150.33	69,087.73	165,029.00	41.86%	0.00	95,941.27
Employee Benefits	97,615.30	650,970.74	1,356,730.00	47.98%	0.00	705,759.26
Employee Benefits - Grant Recovery	(1,971.58)	(3,540.86)	0.00	0.00%	0.00	3,540.86
CalPers Unfunded Liability Contribution	0.00	207,000.00	207,000.00	100.00%	0.00	0.00
Director's Benefits	9,141.80	56,324.82	161,248.00	34.93%	0.00	104,923.18
Health Insurance for Retirees	9,363.01	47,023.16	101,099.00	46.51%	0.00	54,075.84
Training Expense	20.00	12,261.50	52,000.00	23.58%	908.10	38,830.40
Tuition Reimbursement	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
Temporary Help Expense	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
<b>Personnel Expenses</b>	<b>517,513.07</b>	<b>3,281,478.62</b>	<b>6,501,783.00</b>	<b>50.47%</b>	<b>908.10</b>	<b>3,219,396.28</b>
Engineering Expense	6,791.25	106,567.28	380,000.00	28.04%	365,380.97	(91,948.25)
Legal Expense	6,649.10	91,364.39	225,000.00	40.61%	133,635.61	0.00
Audit Expense	0.00	20,566.00	30,220.00	68.05%	4,654.00	5,000.00
Professional Services	42,243.54	334,124.66	1,475,640.00	22.64%	840,816.33	300,699.01
<b>Professional Fees</b>	<b>55,683.89</b>	<b>552,622.33</b>	<b>2,110,860.00</b>	<b>26.18%</b>	<b>1,344,486.91</b>	<b>213,750.76</b>
Conference - Staff	125.00	6,990.00	44,560.00	15.69%	0.00	37,570.00
Conference - Directors	(450.00)	4,905.00	16,845.00	29.12%	0.00	11,940.00
Travel & Accom. - Staff	7,930.82	12,719.26	69,825.00	18.22%	0.00	57,105.74
Travel & Accom. - Directors	1,452.55	1,825.91	21,250.00	8.59%	0.00	19,424.09
<b>Travel &amp; Conference</b>	<b>9,058.37</b>	<b>26,440.17</b>	<b>152,480.00</b>	<b>17.34%</b>	<b>0.00</b>	<b>126,039.83</b>
Membership/Sponsorship	16,123.85	122,972.05	143,041.00	85.97%	0.00	20,068.95
CDR Support	0.00	27,594.66	65,249.00	42.29%	27,594.65	10,059.69
<b>Dues &amp; Memberships</b>	<b>16,123.85</b>	<b>150,566.71</b>	<b>208,290.00</b>	<b>72.29%</b>	<b>27,594.65</b>	<b>30,128.64</b>
Business Expense	93.60	833.84	2,500.00	33.35%	0.00	1,666.16
Office Maintenance	22,996.48	63,015.75	147,400.00	42.75%	75,710.73	8,673.52
Building Repair & Maintenance	5,410.65	16,725.27	15,000.00	111.50%	8,737.40	(10,462.67)
Storage Rental & Equipment Lease	52.50	370.39	1,800.00	20.58%	429.61	1,000.00
Office Supplies	2,346.55	6,283.77	35,000.00	17.95%	4,271.02	24,445.21
Supplies - Water Loss Control	692.63	791.13	4,000.00	19.78%	0.00	3,208.87
Postage/Mail Delivery	1,782.33	5,357.61	9,243.00	57.96%	1,584.83	2,300.56
Subscriptions & Books	0.00	120.00	1,000.00	12.00%	0.00	880.00
Reproduction Expense	30.67	1,739.10	82,700.00	2.10%	4,879.78	76,081.12
Maintenance - Computers	1,297.61	3,253.13	8,000.00	40.66%	1.08	4,745.79
Software Purchase	6,836.65	32,550.78	36,040.00	90.32%	913.58	2,575.64
Software Support	17,751.54	41,252.09	48,640.00	84.81%	15,126.50	(7,388.59)
Computers and Equipment	(16.76)	21,106.36	23,450.00	90.01%	4,525.53	(2,181.89)
Maintenance Expense	0.00	0.00	6,000.00	0.00%	0.00	6,000.00
Automotive Expense	119.84	549.34	16,000.00	3.43%	0.00	15,450.66
Vehicle Expense	308.44	1,480.32	5,800.00	25.52%	0.00	4,319.68
Toll Road Charges	0.00	200.00	1,250.00	16.00%	0.00	1,050.00
Insurance Expense	12,866.01	73,571.53	130,000.00	56.59%	0.00	56,428.47
Utilities - Telephone	1,637.85	17,448.75	42,840.00	40.73%	684.18	24,707.07
Bank Fees	0.00	1,256.80	3,200.00	39.28%	0.00	1,943.20
Miscellaneous Expense	6,987.73	23,955.65	85,181.00	28.12%	2,627.64	58,597.71
MWDOC's Contrb. to WEROC	21,695.50	130,173.00	260,346.00	50.00%	0.00	130,173.00
Depreciation Expense	5,860.60	35,163.70	0.00	0.00%	0.00	(35,163.70)
<b>Other Expenses</b>	<b>108,750.42</b>	<b>477,198.31</b>	<b>965,390.00</b>	<b>49.43%</b>	<b>119,491.88</b>	<b>368,699.81</b>
Capital Acquisition	6,300.00	268,072.93	267,256.00	100.31%	82,693.48	(83,510.41)
Building Expense	116,880.01	879,312.81	441,973.00	198.95%	88,629.58	(525,969.39)
<b>TOTAL EXPENSES</b>	<b>830,309.61</b>	<b>5,635,691.88</b>	<b>10,648,032.00</b>	<b>52.93%</b>	<b>1,663,804.60</b>	<b>3,348,535.52</b>
<b>NET INCOME (LOSS)</b>	<b>(816,291.12)</b>	<b>4,378,973.36</b>	<b>0.00</b>	<b>0.00%</b>	<b>(1,663,804.60)</b>	<b>(2,715,168.76)</b>

**Municipal Water District of Orange County**  
**Revenues and Expenditures Budget Comparative Report**  
**Water Fund**  
**July 1, 2021 thru December 31, 2021**

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Budget Remaining</u>
<b><u>WATER REVENUES</u></b>					
Water Sales	9,560,934.40	104,316,461.70	155,126,337.00	67.25%	50,809,875.30
Readiness to Serve Charge	926,009.00	5,556,054.03	11,142,354.00	49.86%	5,586,299.97
Capacity Charge CCF	394,384.15	2,366,305.00	4,732,610.00	50.00%	2,366,305.00
SCP/SAC Pipeline Surcharge	23,217.70	182,372.32	315,000.00	57.90%	132,627.68
Interest Revenue	298.08	1,809.05	10,500.00	17.23%	8,690.95
<b>TOTAL WATER REVENUES</b>	<b>10,904,843.33</b>	<b>112,423,002.10</b>	<b>171,326,801.00</b>	<b>65.62%</b>	<b>58,903,798.90</b>
<b><u>WATER PURCHASES</u></b>					
Water Sales	9,560,934.40	104,316,461.70	155,126,337.00	67.25%	50,809,875.30
Readiness to Serve Charge	926,009.00	5,556,054.03	11,142,354.00	49.86%	5,586,299.97
Capacity Charge CCF	394,384.15	2,366,305.00	4,732,610.00	50.00%	2,366,305.00
SCP/SAC Pipeline Surcharge	23,217.70	182,372.32	315,000.00	57.90%	132,627.68
<b>TOTAL WATER PURCHASES</b>	<b>10,904,545.25</b>	<b>112,421,193.05</b>	<b>171,316,301.00</b>	<b>65.62%</b>	<b>58,895,107.95</b>
<b>EXCESS OF REVENUE OVER EXPENDITURE</b>	<b>298.08</b>	<b>1,809.05</b>	<b>10,500.00</b>	<b>17.23%</b>	<b>8,690.95</b>

**Municipal Water District of Orange County  
Revenues and Expenditures Budget Comparative Report  
Water Use Efficiency  
July 1, 2021 thru December 31, 2021**

	<u>Year to Date Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
<b>Spray To Drip Conversion</b>			
Revenues	26,365.74	117,480.00	22.44%
Expenses	34,555.16	117,480.00	29.41%
Excess of Revenues over Expenditures	(8,189.42)	0.00	
<b>Member Agency Administered Pass-Thru</b>			
Revenues	58,432.00	573,201.00	10.19%
Expenses	47,022.00	573,201.00	8.20%
Excess of Revenues over Expenditures	11,410.00	0.00	
<b>ULFT Rebate Program</b>			
Revenues	110.00	2,000.00	5.50%
Expenses	170.00	2,000.00	8.50%
Excess of Revenues over Expenditures	(60.00)	0.00	
<b>HECW Rebate Program</b>			
Revenues	30,059.51	84,300.00	35.66%
Expenses	29,995.00	84,300.00	35.58%
Excess of Revenues over Expenditures	64.51	0.00	
<b>CII Rebate Program</b>			
Revenues	0.00	6,500.00	0.00%
Expenses	0.00	6,500.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
<b>Turf Removal Program</b>			
Revenues	299,672.05	993,924.00	30.15%
Expenses	346,794.22	993,924.00	34.89%
Excess of Revenues over Expenditures	(47,122.17)	0.00	
<b>Comprehensive Landscape (CLWUE)</b>			
Revenues	146,589.08	303,100.00	48.36%
Expenses	168,871.35	303,100.00	55.71%
Excess of Revenues over Expenditures	(22,282.27)	0.00	
<b>Recycled Water Program</b>			
Revenues	13,406.25	40,000.00	33.52%
Expenses	13,406.25	40,000.00	33.52%
Excess of Revenues over Expenditures	0.00	0.00	
<b>WSIP - Industrial Program</b>			
Revenues	0.00	45,000.00	0.00%
Expenses	0.00	45,000.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
<b>Land Design Program</b>			
Revenues	97,088.00	297,330.00	32.65%
Expenses	126,122.75	297,330.00	42.42%
Excess of Revenues over Expenditures	(29,034.75)	0.00	
<b>Pressure Regulation Program</b>			
Revenues	4,250.00	66,919.00	6.35%
Expenses	16,405.00	66,919.00	24.51%
Excess of Revenues over Expenditures	(12,155.00)	0.00	
<b>Smart Water Monitoring Devices(Flume)</b>			
Revenues	58,454.25	89,000.00	65.68%
Expenses	58,454.25	89,000.00	65.68%
Excess of Revenues over Expenditures	0.00	0.00	
<b>Dedicated Irrigation Meters Measurement Project (DIMM)</b>			
Revenues	0.00	636,202.00	0.00%
Expenses	0.00	636,202.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	

**Municipal Water District of Orange County**  
**Revenues and Expenditures Budget Comparative Report**  
**Water Use Efficiency**  
**July 1, 2021 thru December 31, 2021**

	<u>Year to Date Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
<b>Total WUE Projects</b>			
Revenues	734,426.88	3,254,956.00	22.56%
Expenses	841,795.98	3,254,956.00	25.86%
Excess of Revenues over Expenditures	(107,369.10)	0.00	
 <b>WEROC</b>			
Revenues	390,519.00	520,692.00	75.00%
Expenses	251,792.04	520,692.00	48.36%
Excess of Revenues over Expenditures	138,726.96	0.00	



## Memorandum

**DATE:** February 9, 2022

**TO:** Administrative & Finance Committee  
(Directors Seckel, Thomas, Dick)

**FROM:** Robert Hunter

**SUBJECT:** Quarter ending December 2021 Fiscal YTD Financials Actual versus Budget

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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 2021 (Unaudited)  
( \$000 Omitted )  
General Fund and Reserve Fund

GENERAL FUND

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
<u>REVENUES</u>			
Water Rate revenues:			
Retail Connection Charge	8,357	8,357	100.00%
Ground Water Customer Charge	336	336	100.00%
Subtotal	<u>8,693</u>	<u>8,693</u>	<u>100.00%</u>
Other Revenues:			
Interest Income <sup>(1)</sup>	69	220	31.31%
Choice Programs <sup>(2)</sup>	1,238	1,516	81.69%
School Contracts <sup>(3)</sup>	11	121	9.27%
Other Income <sup>(4)</sup>	4	3	125.67%
Transfer in from Reserve <sup>(5)</sup>	0	95	0.00%
Subtotal	<u>1,322</u>	<u>1,955</u>	<u>67.62%</u>
<b>TOTAL REVENUES</b>	<u><u>10,015</u></u>	<u><u>10,648</u></u>	<u><u>94.05%</u></u>
<u>EXPENSES</u>			
Personnel Expenses (incl. Dir.)	3,282	6,502	50.49%
Professional Services <sup>(6)</sup>	355	1,506	23.55%
Outside Engineering <sup>(7)</sup>	107	380	28.04%
Legal Expense	91	225	40.61%
Travel & Conference <sup>(8)</sup>	26	153	17.33%
Dues and Memberships	151	208	72.29%
General & Admin Expense	477	965	49.38%
Building Repair & Expense <sup>(9)</sup>	879	442	198.95%
Capital Acquisition (not including building repairs) <sup>(9)</sup>	268	267	100.31%
<b>TOTAL EXPENSES</b>	<u><u>5,636</u></u>	<u><u>10,648</u></u>	<u><u>52.93%</u></u>
<b>EXCESS OF REVENUES OVER EXPENSES</b>	<u><u>4,379</u></u>		

RESERVE FUND

Beginning Balance	7,305
Nov 2021 - draw from FY 2020-21 Reserves	(871)
<b>TOTAL RESERVE FUND</b>	<u><u>6,434</u></u>

- (1) Interest rates continue to drop due to pandemic  
(2) Choice Programs are paid in the beginning of the fiscal year  
(3) School Contracts begin in September  
(4) Other Income - JPIA Wellness Grant and CalCard Rebate  
(5) Transfer in from Reserves is moved at year-end  
(6) Professional Services - Projects in process  
(7) Outside Engineering projects in process  
(8) Travel was reduced due to COVID-19  
(9) Remodel is complete and used all carryover funds



Municipal Water District of Orange County  
Revenues and Expenditures Actual vs Budget Line Item Report  
Fiscal Year to Date ending December 2021 (Unaudited)  
General Fund

	YTD ACTUAL	ANNUAL BUDGET	% Used
<b>REVENUES</b>			
Retail Connection Charge	8,357,232	8,357,232	100.00%
Ground Water Customer Charge	335,385	335,385	100.00%
<b>Water Rate Revenues</b>	<b>8,692,617</b>	<b>8,692,617</b>	<b>100.00%</b>
Choice Programs	1,238,181	1,515,775	81.70%
Interest Revenue	68,891	220,000	31.31%
Miscellaneous Income	3,770	3,000	125.67%
School Contracts	11,206	120,895	9.27%
Transfer in from Reserve	0	95,745	0.00%
<b>Other Revenues</b>	<b>1,322,048</b>	<b>1,955,415</b>	<b>67.61%</b>
<b>TOTAL REVENUES</b>	<b>10,014,665</b>	<b>10,648,032</b>	<b>94.05%</b>

<b>OPERATING EXPENSES</b>			
Salaries & Wages	2,127,679	4,178,542	50.92%
less Recovery's	(14,007)	(18,665)	75.04%
Directors' Compensation	128,680	288,800	44.56%
MWD Representation	69,088	165,029	41.86%
Employee Benefits	650,971	1,356,730	47.98%
less Recovery's	(3,541)	0	0.00%
CALPERS Unfunded Liability Contribution	207,000	207,000	100.00%
Directors Benefits	56,325	161,248	34.93%
Health Insurances for Retirees	47,023	101,099	46.51%
Training Expense	12,261	52,000	23.58%
Tuition Reimbursement	0	5,000	0.00%
Temporary Help Expense	0	5,000	0.00%
<b>Personnel Expenses</b>	<b>3,281,479</b>	<b>6,501,783</b>	<b>50.47%</b>
Engineering Expense	106,567	380,000	28.04%
Legal Expense	91,364	225,000	40.61%
Audit Expense	20,566	30,220	68.05%
Professional Services	334,125	1,475,640	22.64%
<b>Professional Fees</b>	<b>552,622</b>	<b>2,110,860</b>	<b>26.18%</b>
Conference-Staff	6,990	44,560	15.69%
Conference-Directors	4,905	16,845	29.12%
Travel & Accom.-Staff	12,719	69,825	18.22%
Travel & Accom.-Directors	1,826	21,250	8.59%
<b>Travel &amp; Conference</b>	<b>26,440</b>	<b>152,480</b>	<b>17.34%</b>
Membership/Sponsorship	122,972	143,041	85.97%
CDR Support	27,595	65,249	42.29%
<b>Dues &amp; Memberships</b>	<b>150,567</b>	<b>208,290</b>	<b>72.29%</b>

Municipal Water District of Orange County  
Revenues and Expenditures Actual vs Budget Line Item Report  
Fiscal Year to Date ending December 2021 (Unaudited)  
General Fund

	YTD ACTUAL	ANNUAL BUDGET	% Used
Business Expense	834	2,500	33.36%
Maintenance Office	63,016	147,400	42.75%
Building Repair & Maintenance	16,725	15,000	111.50%
Storage Rental & Equipment Lease	370	1,800	20.56%
Office Supplies	6,284	35,000	17.95%
Supplies - Water Loss Control	791	4,000	19.78%
Postage/Mail Delivery	5,358	9,243	57.97%
Subscriptions & Books	120	1,000	12.00%
Reproduction Expense	1,739	82,700	2.10%
Maintenance-Computers	3,253	8,000	40.66%
Software Purchase	32,551	36,040	90.32%
Software Support	41,252	48,640	84.81%
Computers and Equipment	21,106	23,450	90.00%
Maintenance Expense	0	6,000	0.00%
Automotive Expense	549	16,000	3.43%
Vehicle Expense	1,480	5,800	25.52%
Toll Road Charges	200	1,250	16.00%
Insurance Expense	73,571	130,000	56.59%
Utilities - Telephone	17,449	42,840	40.73%
Bank Fees	1,257	3,200	39.28%
Miscellaneous Expense	23,956	85,181	28.12%
MWDOC's Contribution to WEROC	130,173	260,346	50.00%
Depreciation Expense	35,164	0	0.00%
MWDOC Building Expense	879,313	441,973	198.95%
Capital Acquisition	268,073	267,256	100.31%
<b>Other Expenses</b>	<b>1,624,584</b>	<b>1,674,619</b>	<b>97.01%</b>
<b>TOTAL EXPENSES</b>	<b>5,635,692</b>	<b>10,648,032</b>	<b>52.93%</b>
<b>EXCESS OF REVENUES OVER EXPENSES</b>	<b>4,378,973</b>	<b>0</b>	

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
Statement of Revenues and Expenditures  
Fiscal Year to Date ending December 2021 (Unaudited)  
Water Funds

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>Balance</u>
<b><u>Water Revenues</u></b>			
Water Sales	104,316,462	155,126,337	(50,809,875)
Readiness to Serve Charge	5,556,054	11,142,354	(5,586,300)
Capacity Charge CCF	2,366,305	4,732,610	(2,366,305)
SCP/SAC Pipeline Surcharge	182,372	315,000	(132,628)
Interest	1,809	10,500	(8,691)
Total Water Revenues	<u>112,423,002</u>	<u>171,326,801</u>	<u>(58,903,799)</u>
<b><u>Water Purchases</u></b>			
Water Sales	104,316,462	155,126,337	(50,809,875)
Ready to Serve Charge	5,556,054	11,142,354	(5,586,300)
Capacity Charge CCF	2,366,305	4,732,610	(2,366,305)
SCP/SAC Pipeline Surcharge	182,372	315,000	(132,628)
Total Water Purchases	<u>112,421,193</u>	<u>171,316,301</u>	<u>(58,895,108)</u>
EXCESS OF REVENUES OVER EXPENDITURES	<u>1,809</u>	<u>10,500</u>	<u>(8,691)</u>

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
Revenues and Expenditures Actual versus Budget  
Fiscal Year to Date ending December 2021 (Unaudited)  
Other Funds

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>Balance</u>
<b><u>WEROC</u></b>			
Revenues	390,519	520,692	(130,173)
Expenditures	251,792	520,692	(268,900)
Excess of Revenues over Expenditures	<u>138,727</u>	<u>0</u>	<u>138,727</u>

**WUE Projects (details on next page)**

Revenues	734,427	3,254,956	(2,520,529)
Expenditures	841,796	3,254,956	(2,413,160)
Excess of Revenues over Expenditures	<u>(107,369)</u>	<u>0</u>	<u>(107,369)</u>

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 2021 (Unaudited)  
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance %</u>	<u>Fiscal Year Budget</u>	<u>% of Budget</u>	<u>Projected Final FY Budget</u>
<b><u>Spray to Drip Conversion</u></b>					
Revenues	26,366		117,480	22.44%	694,670
Expenditures	34,555		117,480	29.41%	694,670
Excess of Revenues over Expenditures	(8,189)	-31%			

Actual Variance: All reporting current. Payments to Program Participants slightly ahead of Grant (DWR & USBR), Metropolitan (on water bill), and Retail Water Agencies reimbursements.

Budget Variance: This program is expected to end at a much higher level than when the Fiscal Year Budget number was developed last year at this time. In updating the Final FY Budget, Staff used data from the program over the first 6 months of this FY; we also considered the amount of applications in the queue, projecting them out over the final 6 months of this fiscal year. Altogether this accounts for the increase to the Project Final FY Budget number.

**Member Agency Administered Pass thru**

Revenues	58,432		573,201	10.19%	438,728
Expenditures	47,022		573,201	8.20%	438,728
Excess of Revenues over Expenditures	11,410	20%			

Actual Variance: Some MWDOC projects have been billed to Metropolitan, others, like those for the Retail Water Agencies have not begun reporting their projects.

Budget Variance: Adjustments were made that reduced the amount of funds directed at this program. Retail Water Agencies have begun to invoice for their programs and MWDOC's programs are just now beginning to be reported to Metropolitan.

**ULFT Rebate Program**

Revenues	110		2,000	5.50%	2,000
Expenditures	170		2,000	8.50%	2,000
Excess of Revenues over Expenditures	(60)	-55%			

Actual Variance: This tracks MWDOC member agencies activities to provide supplemental funding to increase activity in their service territories.

Budget Variance: Stated budget number is a yearly number, actual number is for the 2nd quarter. It is anticipated that by year's end Actual will be closer to Budget.

**HECW Rebate Program**

Revenues	30,060		84,300	35.66%	56,415
Expenditures	29,995		84,300	35.58%	56,415
Excess of Revenues over Expenditures	65	0%			

Actual Variance: This tracks MWDOC member agencies activities to provide supplemental funding to increase activity in their service territories.

Budget Variance: Projected Final FY Budget was adjusted down by \$26,000. This was due to an anticipated lower overall number of HECW's when Staff tracked numbers from the first half of the FY.

**CII Rebate Program**

Revenues	0		6,500	0.00%	1,000
Expenditures	0		6,500	0.00%	1,000
Excess of Revenues over Expenditures	0	0%			

Actual Variance: This tracks MWDOC member agencies activities to provide supplemental funding to increase activity in their service territory.

Budget Variance: Agencies have yet to provide their stated funding for activity in their service territory, and in discussing program activity with Agencies, it is expected the FY end number will be less.

Notes:

- 1) Variance from Revenues to Expenses. When greater than 5%, an explanation is provided.
- 2) Fiscal year budget versus Actual
- 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 2021 (Unaudited)  
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance %</u>	<u>Fiscal Year Budget</u>	<u>% of Budget</u>	<u>Projected Final FY Budget</u>
<b><u>Turf Removal Program</u></b>					
Revenues	299,672		993,924	30.15%	5,678,694
Expenditures	346,794		993,924	34.89%	5,678,694
Excess of Revenues over Expenditures	(47,122)	-16%			

Actual Variance: Posted revenues from Grants (DWR & USBR) lagging slightly behind expenses. All revenue reporting for reimbursement is up to date.

Budget Variance: This program is expected to end at a much higher level than when the Fiscal Year Budget number was developed last year at this time. In updating the Final FY Budget, Staff used data from the program over the first 6 months of this FY; we also considered the amount of applications in the queue, projecting them out over the final 6 months of this fiscal year. Large commercial projects are beginning to finish which is also driving up the total. Altogether this accounts for the increase to the Project Final FY Budget number.

**Comprehensive Landscape (CLWUE)**

Revenues	146,589		303,100	48.36%	316,631
Expenditures	168,871		303,100	55.71%	316,631
Excess of Revenues over Expenditures	(22,282)	-15%			

Actual Variance: Grant funded program. Granting agencies (State) are slow to provide their funding. All reporting is current.

Budget Variance: Stated budget number is a yearly number, actual number is for the 2nd quarter. On track to meet budget.

**Recycled Water Program**

Revenues	13,406		40,000	33.52%	13,406
Expenditures	13,406		40,000	33.52%	13,406
Excess of Revenues over Expenditures	0	0%			

Actual Variance: Projects are currently being implemented with activity reported over the course of the fiscal year.

Budget Variance: Projected Final FY Budget adjusted down due to projects slow in developing. Projects thought to be paid this FY will come in next FY.

**WSIP - Industrial Program**

Revenues	0		45,000	0.00%	2,700
Expenditures	0		45,000	0.00%	2,700
Excess of Revenues over Expenditures	0	0%			

Actual Variance: Projects are currently being implemented with activity reported over the course of the fiscal year.

Budget Variance: Projected Final FY Budget adjusted down due to projects slow in developing. Projects thought to be paid this FY will come in next FY.

**Land Design Program**

Revenues	97,088		297,330	32.65%	331,303
Expenditures	126,123		297,330	42.42%	331,303
Excess of Revenues over Expenditures	(29,035)	-30%			

Actual Variance: Expenses out ahead of grant reimbursements. All local, State, and Federal Grant reporting current.

Budget Variance: This program is tied directly to activity in the turf program. The turf program is expected to increase significantly and this program will increase proportionately. Analyzing the applications in the queue dictates the increase in the Projected Final FY Budget. Activity in this program is expected to come in as budgeted.

Notes:

- 1) Variance from Revenues to Expenses. When greater than 5%, an explanation is provided.
- 2) Fiscal year budget versus Actual
- 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 2021 (Unaudited)  
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance %</u>	<u>Fiscal Year Budget</u>	<u>% of Budget</u>	<u>Projected Final FY Budget</u>
<b><u>Pressure Regulation Valve Program</u></b>					
Revenues	4,250		66,919	6.35%	35,604
Expenditures	16,405		66,919	24.51%	35,604
Excess of Revenues over Expenditures	(12,155)	-286%			

Actual Variance: Expenses out ahead of grant reimbursements. All local, State, and Federal Grant reporting current.

Budget Variance: This program adjusted down due to slower than anticipated activity. Project is expected to come in at the new lower number.

<b><u>Smart Water Monitoring Devices (Flume)</u></b>					
Revenues	58,454		89,000	65.68%	99,998
Expenditures	58,454		89,000	65.68%	99,998
Excess of Revenues over Expenditures	0	0%			

Actual Variance: Funding to cover expenditures is current.

Budget Variance: Activity in the program adjusted slightly up. Actual is expected to come in as budgeted.

<b><u>Dedicated Irrigation Meters Measurement Project (DIMM)</u></b>					
Revenues	0		636,202	0.00%	636,202
Expenditures	0		636,202	0.00%	636,202
Excess of Revenues over Expenditures	0	0%			

Actual Variance: This is a new program developed this FY. Program is currently up and running and it is anticipated that activity at \$636,202 will materialize by the end of this FY.

Budget Variance:

Notes:

- 1) Variance from Revenues to Expenses. When greater than 5%, an explanation is provided.
- 2) Fiscal year budget versus Actual
- 3) With each quarterly report the projected fiscal year end budget may be re-adjusted.



**CONSENT CALENDAR ITEM**

February 16, 2022

**TO: Board of Directors**

**FROM: Joe Byrne, General Counsel**

**SUBJECT: APPROVE CONTINUATION OF REMOTE MEETINGS PURSUANT TO AB 361 AND MAKE REQUIRED FINDINGS**

**STAFF RECOMMENDATION**

---

That the Board of Directors vote to continue virtual meetings pursuant to AB 361 for an additional 30 days based on the findings that (1) it has reconsidered the circumstances of the state of emergency for COVID-19, and (2) state and local officials continue to impose or recommend measures to promote social distancing.

**COMMITTEE RECOMMENDATION**

---

This item was not presented to a Committee.

**SUMMARY**

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At the October 4, 2021 Board meeting, pursuant to AB 361, the Board of Directors adopted Resolution No. 2115 and authorized the Board to continue to have remote meetings based upon the continued state of emergency for COVID-19 and the finding that state and local officials have imposed or recommended measures to promote social distancing. At the past several meetings, including the February 2, 2022 Board meeting, the Board voted to continue such remote meetings for additional 30 day periods. As previously indicated, if the Board wishes to continue to hold remote meetings pursuant to AB 361, and assuming a state of emergency still is in place, it must make similar findings within every 30 days.

At the time this report was prepared, there is a continued state of emergency for COVID-19 and state and local officials continue to recommend measures to promote social distancing. This item is on the Agenda for the Board to consider whether to continue remote meetings pursuant to AB 361 for an additional 30 days and to make the appropriate findings.

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





**PUBLIC HEARING/ACTION ITEM**

February 16, 2022

**TO:** Board of Directors

**FROM:** Robert Hunter, General Manager

Staff Contact: Charles Busslinger, Director of Engineering/District Engineer  
Heather Baez, Governmental Affairs Manager

**SUBJECT: HOLD 3<sup>rd</sup> PUBLIC HEARING AND ADOPT RESOLUTION REGARDING  
ADJUSTMENT OF MWDOC DIVISION BOUNDARIES PURSUANT TO  
ELECTIONS CODE FOLLOWING 2020 CENSUS**

**STAFF RECOMMENDATION**

---

Staff recommends the Board of Directors:

- (1) Open the 3rd Public Hearing regarding MWDOC's division boundary adjustments to receive input from the public;
- (2) Receive and file presentation from Center for Demographic Research
- (3) Receive comments from the public;
- (4) Discuss proposed mapping Plans 6A, and 7A and select a final map plan.
- (5) Close Public Hearing.
- (6) Adopt final map plan by Resolution;

**COMMITTEE RECOMMENDATION**

---

This item was not reviewed by a Committee.

**SUMMARY**

---

A Public Hearing was held on December 6, 2021 to solicit public input on MWDOC's redistricting process. The Board then provided direction to staff on desired changes to division boundaries.

<b>Budgeted (Y/N):</b>	Budgeted amount: \$10,000	Core <u>X</u>	Choice <u>  </u>
<b>Action item amount:</b>		Line item:	
<b>Fiscal Impact (explain if unbudgeted):</b> Approximately \$23,400 in work with CDR is estimated for this effort. CDR is providing additional support necessary to revise division boundaries within the time constraints which was not previously anticipated.			

Staff and CDR returned to the Board on January 5, 2022 with two mapping plans based upon the Board's December 6, 2021 direction. The Board directed staff to work with CDR to develop additional plans for consideration and opted to hold a Special Board meeting on January 13, 2022 to review and discuss the potential plans.

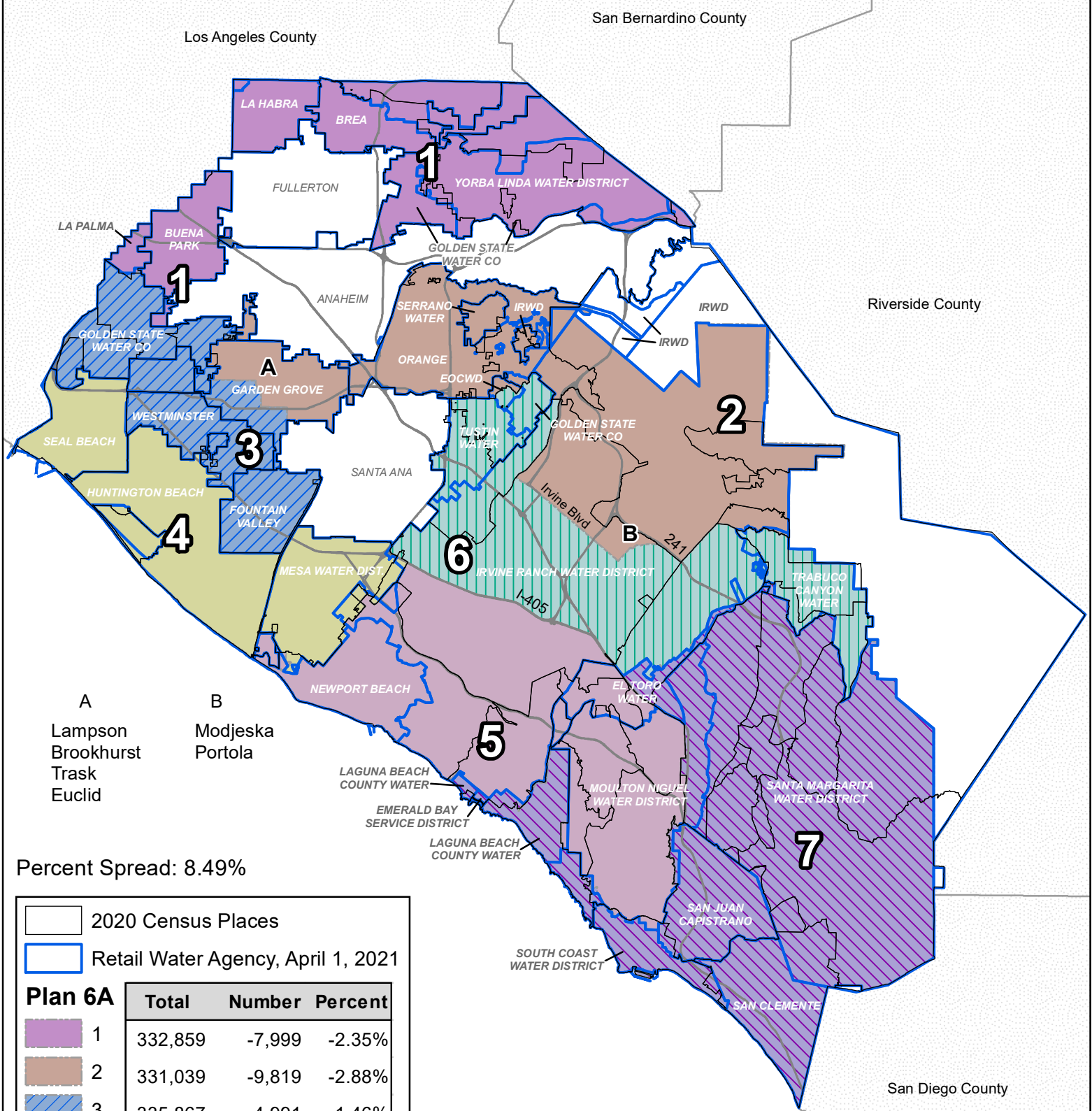
Staff and CDR returned to the Board on January 13, 2022 and presented a total of seven map plans. The Board provided input to staff on these plans and focused on modifications to Plans 6 and 7. Staff then presented three plans to the Board at a public hearing on January 19, 2022: Plans 6, 6A and 7A. Based on input from the Board provided at the January 19, 2022 meeting, staff and CDR is returning and presenting to the Board two plans for its consideration at the Board meeting on February 16, 2022: Plan 6A and 7A.

Staff recommends that the Board consider a single final proposed map, and adopt the final plan by Resolution.

Attachments:

1. Map Plan Packages 6A and 7A
2. Presentation
3. Draft Resolution

# Municipal Water District of Orange County Plan 6A



Percent Spread: 8.49%

2020 Census Places

Retail Water Agency, April 1, 2021

Plan 6A

	Total	Number	Percent
1	332,859	-7,999	-2.35%
2	331,039	-9,819	-2.88%
3	335,867	-4,991	-1.46%
4	341,491	633	0.19%
5	333,954	-6,904	-2.03%
6	350,813	9,955	2.92%
7	359,982	19,124	5.61%



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# Municipal Water District of Orange County 2022 Redistricting Plan 6A

**Table 1. 2020 Census Total Population by Race/Ethnicity**

Proposed Division	Total Population	Hispanic or Latino of any Race	Non-Hispanic White	Non-Hispanic Black or African-American	Non-Hispanic American Indian or Alaska Native	Non-Hispanic Asian	Non-Hispanic Native Hawaiian or Other Pacific Islander	Non-Hispanic Some Other Race	Non-Hispanic Two or More Races
1	332,859	120,243	109,842	6,823	645	81,700	700	1,486	11,420
	100.0%	36.1%	33.0%	2.0%	0.2%	24.5%	0.2%	0.4%	3.4%
2	331,039	119,878	93,810	4,255	509	99,283	972	1,396	10,936
	100.0%	36.2%	28.3%	1.3%	0.2%	30.0%	0.3%	0.4%	3.3%
3	335,867	86,300	90,284	4,761	514	139,701	1,370	1,292	11,645
	100.0%	25.7%	26.9%	1.4%	0.2%	41.6%	0.4%	0.4%	3.5%
4	341,491	84,662	192,205	3,848	748	39,311	996	1,966	17,755
	100.0%	24.8%	56.3%	1.1%	0.2%	11.5%	0.3%	0.6%	5.2%
5	333,954	50,147	197,404	5,463	371	60,155	409	1,880	18,125
	100.0%	15.0%	59.1%	1.6%	0.1%	18.0%	0.1%	0.6%	5.4%
6	350,813	71,755	139,088	6,450	445	112,137	586	1,920	18,432
	100.0%	20.5%	39.6%	1.8%	0.1%	32.0%	0.2%	0.5%	5.3%
7	359,982	74,775	229,109	3,520	645	30,825	481	1,780	18,847
	100.0%	20.8%	63.6%	1.0%	0.2%	8.6%	0.1%	0.5%	5.2%
MWDOC TOTAL	2,386,005	607,760	1,051,742	35,120	3,877	563,112	5,514	11,720	107,160
	100.0%	25.5%	44.1%	1.5%	0.2%	23.6%	0.2%	0.5%	4.5%

**Table 2. Difference from Target Director Division Population of 340,858**

Division	Number	Percent	Percentage Spread (Largest - Smallest)
1	-7,999	-2.35%	8.49%
2	-9,819	-2.88%	
3	-4,991	-1.46%	
4	633	0.19%	
5	-6,904	-2.03%	
6	9,955	2.92%	
7	19,124	5.61%	

## Split Cities/Census Designated Places (CDPs) -

Dana Point (2)	Lake Forest (2)
Garden Grove (2)	Newport Beach (2)
Irvine (3)	North Tustin CDP (2)
La Palma (2)	Rancho Santa Margarita (2)
Laguna Beach (2)	Trabuco Canyon CDP (2)
Laguna Niguel (2)	Tustin (2)

(#) Indicates number of Director Divisions the city/CDP falls within.

Percent shares calculated using unrounded numbers, but table displays only to tenths; therefore, percents displayed may not sum to 100%.

**Municipal Water District of Orange County 2022 Redistricting  
Plan 6A**

**Table 3. Citizen Voting Age Population (CVAP) by Race/Ethnicity, 2015-2019 5-Year Estimates**

Proposed Division	Total CVAP	Hispanic or Latino of any Race	Non-Hispanic White	Non-Hispanic Black or African-American	Non-Hispanic American Indian or Alaska Native	Non-Hispanic Asian	Non-Hispanic Native Hawaiian or Other Pacific Islander	Non-Hispanic Two or More Races
<b>1</b>	217,367	61,848	99,107	5,099	468	46,463	610	3,869
	100.0%	28.5%	45.6%	2.3%	0.2%	21.4%	0.3%	1.8%
<b>2</b>	206,283	57,017	86,517	2,502	444	55,781	608	3,054
	100.0%	27.6%	41.9%	1.2%	0.2%	27.0%	0.3%	1.5%
<b>3</b>	225,752	41,462	83,970	3,989	346	89,755	539	4,948
	100.0%	18.4%	37.2%	1.8%	0.2%	39.8%	0.2%	2.2%
<b>4</b>	250,288	42,898	167,278	4,248	839	27,144	1,058	6,236
	100.0%	17.1%	66.8%	1.7%	0.3%	10.8%	0.4%	2.5%
<b>5</b>	238,948	28,241	164,939	4,001	297	34,680	237	6,022
	100.0%	11.8%	69.0%	1.7%	0.1%	14.5%	0.1%	2.5%
<b>6</b>	210,132	33,732	114,427	4,370	320	50,881	271	5,858
	100.0%	16.1%	54.5%	2.1%	0.2%	24.2%	0.1%	2.8%
<b>7</b>	259,878	37,228	191,018	3,369	534	20,999	341	6,182
	100.0%	14.3%	73.5%	1.3%	0.2%	8.1%	0.1%	2.4%
<b>MWDOC TOTAL</b>	1,608,648	302,426	907,256	27,578	3,248	325,703	3,664	36,169
	100.0%	18.8%	56.4%	1.7%	0.2%	20.2%	0.2%	2.2%

Source: Statewide Database 2015-2019 Citizen Voting Age Population on 2020 Census Blocks, Revised 9/27/2021  
<https://statewidedatabase.org/redistricting2021/counties.html>

Notes: Percentages are calculated from sum of individual categories, not Total Estimated CVAP.

Because this is a special tabulation of data and not part of the standard data products shown on the Census Bureau's data.census.gov website, these estimates are rounded. Therefore, individual categories may not exactly add to the total.

For example, the sum of each of the race groups for non-Hispanics may not be the same as the estimate given for non-Hispanics. These estimates will not match counts from the 2020 Census.

The original data source for the Citizen Voting Age Population (CVAP) is the American Community Survey (ACS). The ACS is an ongoing survey by the U.S. Census Bureau sent to approximately 250,000 households each month.

The ACS estimates used to develop these data were collected from January 1, 2015 to December 31, 2019 utilizing the 2010 Census block groups, which were disaggregated to the 2020 Census blocks by the Statewide Database.

For more information about the CVAP products, visit <https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html> and [https://www2.census.gov/programs-surveys/decennial/rdo/technical-documentation/special-tabulation/CVAP\\_2015-2019\\_ACS\\_documentation.pdf](https://www2.census.gov/programs-surveys/decennial/rdo/technical-documentation/special-tabulation/CVAP_2015-2019_ACS_documentation.pdf)

**Municipal Water District of Orange County 2022 Redistricting  
Plan 6A**

**Table 4. 2020 Census Population by Proposed Division and 2020 Census Place**

**Division 1**

Place	Total Population	Percent of Division
Brea	47,325	14.2%
Buena Park	84,034	25.2%
La Habra	63,097	19.0%
La Palma*	14,480	4.4%
Placentia	51,824	15.6%
Unincorporated	3,763	1.1%
Yorba Linda	68,336	20.5%
<b>Division 1 Total</b>	<b>332,859</b>	<b>100.0%</b>

**Division 2**

Place	Total Population	Percent of Division
Garden Grove*	106,625	32.2%
Irvine*	57,995	17.5%
Modjeska CDP	632	0.2%
North Tustin CDP*	0	0.0%
Orange	139,911	42.3%
Silverado CDP	932	0.3%
Tustin*	0	0.0%
Unincorporated	19,008	5.7%
Villa Park	5,843	1.8%
Williams Canyon CDP	93	0.0%
<b>Division 2 Total</b>	<b>331,039</b>	<b>100.0%</b>

**Division 3**

Place	Total Population	Percent of Division
Cypress	50,151	14.9%
Fountain Valley	57,047	17.0%
Garden Grove*	65,324	19.4%
La Palma*	1,101	0.3%
Los Alamitos	11,780	3.5%
Midway City CDP	8,825	2.6%
Rossmoor CDP	10,625	3.2%
Stanton	37,962	11.3%
Unincorporated	2,141	0.6%
Westminster	90,911	27.1%
<b>Division 3 Total</b>	<b>335,867</b>	<b>100.0%</b>

**Division 4**

Place	Total Population	Percent of Division
Costa Mesa	111,918	32.8%
Huntington Beach	198,711	58.2%
Newport Beach*	4,685	1.4%
Seal Beach	25,242	7.4%
Unincorporated	935	0.3%
<b>Division 4 Total</b>	<b>341,491</b>	<b>100.0%</b>

**Division 5**

Place	Total Population	Percent of Division
Aliso Viejo	52,176	15.6%
Dana Point*	3,015	0.9%
Irvine*	83,900	25.1%
Laguna Beach*	1,437	0.4%
Laguna Hills	31,374	9.4%
Laguna Niguel*	63,812	19.1%
Laguna Woods	17,644	5.3%
Newport Beach*	80,554	24.1%
Unincorporated	42	0.0%
<b>Division 5 Total</b>	<b>333,954</b>	<b>100.0%</b>

**Division 6**

Place	Total Population	Percent of Division
Irvine*	165,775	47.3%
Lake Forest*	69,021	19.7%
North Tustin CDP*	25,718	7.3%
Rancho Santa Margarita*	9,256	2.6%
Trabuco Canyon CDP*	1,020	0.3%
Tustin*	80,016	22.8%
Unincorporated	7	0.0%
<b>Division 6 Total</b>	<b>350,813</b>	<b>100.0%</b>

**Division 7**

Place	Total Population	Percent of Division
Coto de Caza CDP	14,710	4.1%
Dana Point*	30,092	8.4%
Ladera Ranch CDP	26,170	7.3%
Laguna Beach*	21,595	6.0%
Laguna Niguel*	543	0.2%
Lake Forest*	16,837	4.7%
Las Flores CDP	5,995	1.7%
Mission Viejo	93,653	26.0%
Rancho Mission Viejo CDP	10,378	2.9%
Rancho Santa Margarita*	38,693	10.7%
San Clemente	64,293	17.9%
San Juan Capistrano	35,196	9.8%
Trabuco Canyon CDP*	0	0.0%
Unincorporated	1,827	0.5%
<b>Division 7 Total</b>	<b>359,982</b>	<b>100.0%</b>

\*City split by proposed division.

Percent shares calculated using unrounded numbers, but table displays only to tenths; therefore, percents displayed may not sum to 100%.

**Municipal Water District of Orange County 2022 Redistricting  
Plan 6A**

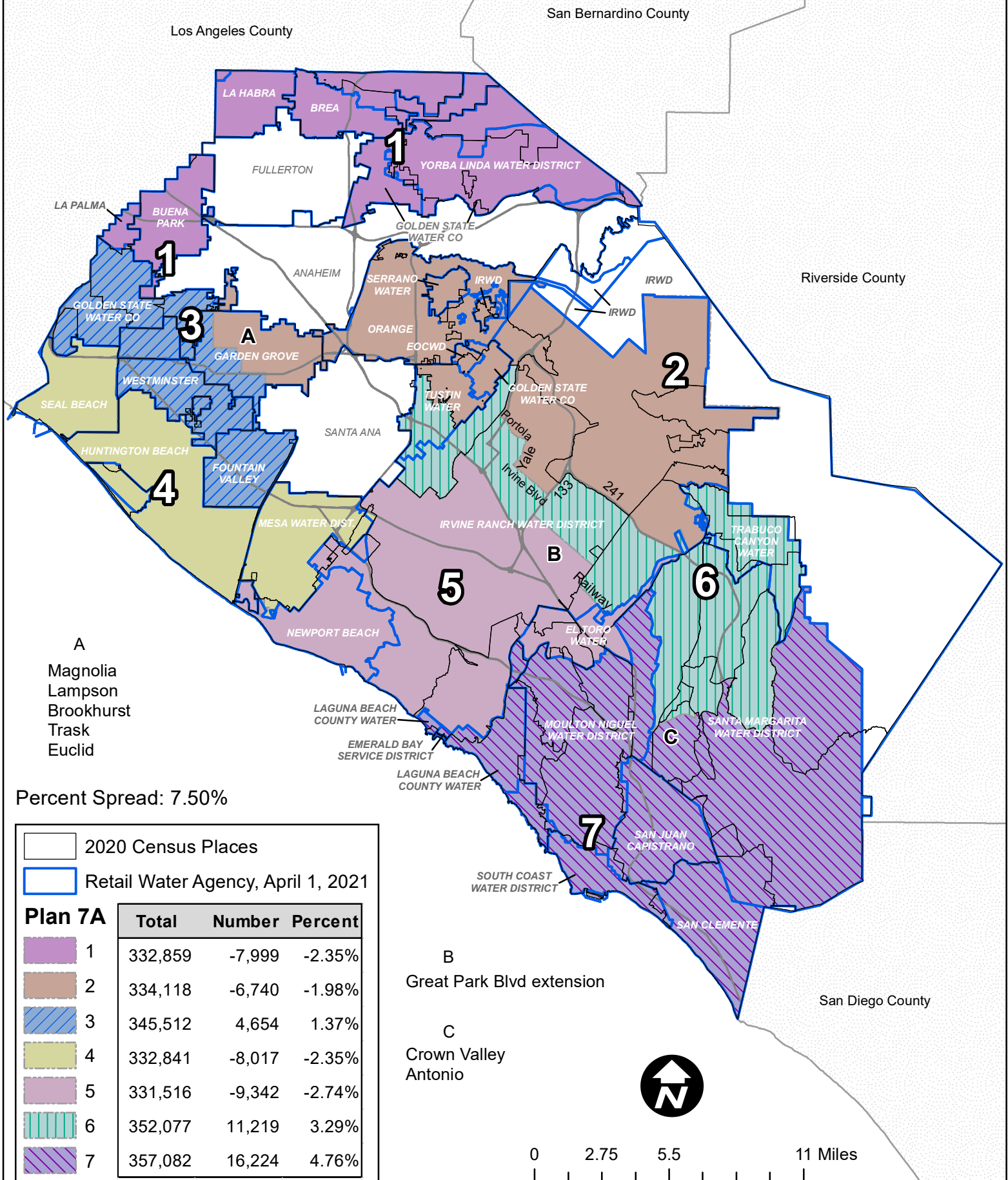
**Table 5. 2020 Census Population 18 Years and Over by Race/Ethnicity**

Proposed Division	Total Population 18 and Over	Hispanic or Latino of any Race	Non-Hispanic White	Non-Hispanic Black or African-American	Non-Hispanic American Indian or Alaska Native	Non-Hispanic Asian	Non-Hispanic Native Hawaiian or Other Pacific Islander	Non-Hispanic Some Other Race	Non-Hispanic Two or More Races
<b>1</b>	260,778	86,067	93,701	5,516	558	65,979	545	1,053	7,359
	100.0%	33.0%	35.9%	2.1%	0.2%	25.3%	0.2%	0.4%	2.8%
<b>2</b>	258,700	86,650	80,927	3,536	439	78,422	781	1,040	6,905
	100.0%	33.5%	31.3%	1.4%	0.2%	30.3%	0.3%	0.4%	2.7%
<b>3</b>	267,427	61,820	77,800	3,850	433	113,942	1,110	950	7,522
	100.0%	23.1%	29.1%	1.4%	0.2%	42.6%	0.4%	0.4%	2.8%
<b>4</b>	280,528	62,065	166,202	3,306	678	33,966	800	1,567	11,944
	100.0%	22.1%	59.2%	1.2%	0.2%	12.1%	0.3%	0.6%	4.3%
<b>5</b>	279,121	39,082	169,698	4,859	326	50,999	306	1,388	12,463
	100.0%	14.0%	60.8%	1.7%	0.1%	18.3%	0.1%	0.5%	4.5%
<b>6</b>	272,830	51,308	115,862	5,026	310	87,367	446	1,355	11,156
	100.0%	18.8%	42.5%	1.8%	0.1%	32.0%	0.2%	0.5%	4.1%
<b>7</b>	284,211	53,139	188,613	2,966	561	25,358	418	1,330	11,826
	100.0%	18.7%	66.4%	1.0%	0.2%	8.9%	0.1%	0.5%	4.2%
<b>MWDOC TOTAL</b>	1,903,595	440,131	892,803	29,059	3,305	456,033	4,406	8,683	69,175
	100.0%	23.1%	46.9%	1.5%	0.2%	24.0%	0.2%	0.5%	3.6%

Percent shares calculated using unrounded numbers, but table displays only to tenths; therefore, percents displayed may not sum to 100%.

Source: 2020 Census P.L. 94-171 Redistricting Data File

# Municipal Water District of Orange County Plan 7A





# Municipal Water District of Orange County 2022 Redistricting Plan 7A

**Table 1. 2020 Census Total Population by Race/Ethnicity**

Proposed Division	Total Population	Hispanic or Latino of any Race	Non-Hispanic White	Non-Hispanic Black or African-American	Non-Hispanic American Indian or Alaska Native	Non-Hispanic Asian	Non-Hispanic Native Hawaiian or Other Pacific Islander	Non-Hispanic Some Other Race	Non-Hispanic Two or More Races
1	332,859	120,243	109,842	6,823	645	81,700	700	1,486	11,420
	100.0%	36.1%	33.0%	2.0%	0.2%	24.5%	0.2%	0.4%	3.4%
2	334,118	120,952	109,560	4,180	557	84,517	953	1,464	11,935
	100.0%	36.2%	32.8%	1.3%	0.2%	25.3%	0.3%	0.4%	3.6%
3	345,512	89,644	91,716	4,848	522	144,160	1,431	1,329	11,862
	100.0%	25.9%	26.5%	1.4%	0.2%	41.7%	0.4%	0.4%	3.4%
4	332,841	83,091	186,141	3,782	725	38,905	986	1,937	17,274
	100.0%	25.0%	55.9%	1.1%	0.2%	11.7%	0.3%	0.6%	5.2%
5	331,516	48,915	170,156	5,935	354	86,350	384	1,961	17,462
	100.0%	14.8%	51.3%	1.8%	0.1%	26.0%	0.1%	0.6%	5.3%
6	352,077	74,847	153,561	5,898	425	96,947	553	1,660	18,186
	100.0%	21.3%	43.6%	1.7%	0.1%	27.5%	0.2%	0.5%	5.2%
7	357,082	70,068	230,766	3,654	649	30,533	507	1,883	19,021
	100.0%	19.6%	64.6%	1.0%	0.2%	8.6%	0.1%	0.5%	5.3%
MWDOC TOTAL	2,386,005	607,760	1,051,742	35,120	3,877	563,112	5,514	11,720	107,160
	100.0%	25.5%	44.1%	1.5%	0.2%	23.6%	0.2%	0.5%	4.5%

**Table 2. Difference from Target Director Division Population of 340,858**

Division	Number	Percent	Percentage Spread (Largest - Smallest)
1	-7,999	-2.35%	7.50%
2	-6,740	-1.98%	
3	4,654	1.37%	
4	-8,017	-2.35%	
5	-9,342	-2.74%	
6	11,219	3.29%	
7	16,224	4.76%	

**Split Cities/Census Designated Places (CDPs) -**

Aliso Viejo (2)	Laguna Beach (2)
Costa Mesa (2)	Laguna Hills (2)
Coto de Caza CDP (2)	Lake Forest (3)
Garden Grove (2)	Mission Viejo (4)
Irvine (3)	Newport Beach (2)
La Palma (2)	Trabuco Canyon CDP (2)
Ladera Ranch CDP (2)	Tustin (2)

(#) Indicates number of Director Divisions the city/CDP falls within.

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**Municipal Water District of Orange County 2022 Redistricting  
Plan 7A**

**Table 3. Citizen Voting Age Population (CVAP) by Race/Ethnicity, 2015-2019 5-Year Estimates**

Proposed Division	Total CVAP	Hispanic or Latino of any Race	Non-Hispanic White	Non-Hispanic Black or African-American	Non-Hispanic American Indian or Alaska Native	Non-Hispanic Asian	Non-Hispanic Native Hawaiian or Other Pacific Islander	Non-Hispanic Two or More Races
<b>1</b>	217,367	61,848	99,107	5,099	468	46,463	610	3,869
	100.0%	28.5%	45.6%	2.3%	0.2%	21.4%	0.3%	1.8%
<b>2</b>	215,478	58,499	101,237	2,660	523	48,944	506	3,027
	100.0%	27.1%	47.0%	1.2%	0.2%	22.7%	0.2%	1.4%
<b>3</b>	231,730	42,619	85,347	4,069	356	92,882	651	5,034
	100.0%	18.4%	36.8%	1.8%	0.2%	40.1%	0.3%	2.2%
<b>4</b>	243,765	42,097	162,173	4,220	835	26,675	1,058	6,125
	100.0%	17.3%	66.5%	1.7%	0.3%	10.9%	0.4%	2.5%
<b>5</b>	226,016	26,602	145,154	3,484	366	43,487	334	6,067
	100.0%	11.8%	64.2%	1.5%	0.2%	19.2%	0.1%	2.7%
<b>6</b>	219,065	35,620	125,497	4,344	346	46,696	232	5,672
	100.0%	16.3%	57.3%	2.0%	0.2%	21.3%	0.1%	2.6%
<b>7</b>	255,227	35,141	188,741	3,702	354	20,556	273	6,375
	100.0%	13.8%	74.0%	1.5%	0.1%	8.1%	0.1%	2.5%
<b>MWDOC TOTAL</b>	1,608,648	302,426	907,256	27,578	3,248	325,703	3,664	36,169
	100.0%	18.8%	56.4%	1.7%	0.2%	20.2%	0.2%	2.2%

Source: Statewide Database 2015-2019 Citizen Voting Age Population on 2020 Census Blocks, Revised 9/27/2021  
<https://statewidedatabase.org/redistricting2021/counties.html>

Notes: Percentages are calculated from sum of individual categories, not Total Estimated CVAP.

Because this is a special tabulation of data and not part of the standard data products shown on the Census Bureau's data.census.gov website, these estimates are rounded. Therefore, individual categories may not exactly add to the total.

For example, the sum of each of the race groups for non-Hispanics may not be the same as the estimate given for non-Hispanics. These estimates will not match counts from the 2020 Census.

The original data source for the Citizen Voting Age Population (CVAP) is the American Community Survey (ACS). The ACS is an ongoing survey by the U.S. Census Bureau sent to approximately 250,000 households each month.

The ACS estimates used to develop these data were collected from January 1, 2015 to December 31, 2019 utilizing the 2010 Census block groups, which were disaggregated to the 2020 Census blocks by the Statewide Database.

For more information about the CVAP products, visit <https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html> and [https://www2.census.gov/programs-surveys/decennial/rdo/technical-documentation/special-tabulation/CVAP\\_2015-2019\\_ACS\\_documentation.pdf](https://www2.census.gov/programs-surveys/decennial/rdo/technical-documentation/special-tabulation/CVAP_2015-2019_ACS_documentation.pdf)

**Municipal Water District of Orange County 2022 Redistricting  
Plan 7A**

**Table 4. 2020 Census Population by Proposed Division and 2020 Census Place**

**Division 1**

Place	Total Population	Percent of Division
Brea	47,325	14.2%
Buena Park	84,034	25.2%
La Habra	63,097	19.0%
La Palma*	14,480	4.4%
Placentia	51,824	15.6%
Unincorporated	3,763	1.1%
Yorba Linda	68,336	20.5%
<b>Division 1 Total</b>	<b>332,859</b>	<b>100.0%</b>

**Division 2**

Place	Total Population	Percent of Division
Garden Grove*	98,957	29.6%
Irvine*	26,259	7.9%
Lake Forest*	18,742	5.6%
Mission Viejo*	0	0.0%
Modjeska CDP	632	0.2%
North Tustin CDP	25,718	7.7%
Orange	139,911	41.9%
Silverado CDP	932	0.3%
Trabuco Canyon CDP*	0	0.0%
Tustin*	0	0.0%
Unincorporated	17,031	5.1%
Villa Park	5,843	1.7%
Williams Canyon CDP	93	0.0%
<b>Division 2 Total</b>	<b>334,118</b>	<b>100.0%</b>

**Division 3**

Place	Total Population	Percent of Division
Cypress	50,151	14.5%
Fountain Valley	57,047	16.5%
Garden Grove*	72,992	21.1%
La Palma*	1,101	0.3%
Los Alamitos	11,780	3.4%
Midway City CDP	8,825	2.6%
Rossmoor CDP	10,625	3.1%
Stanton	37,962	11.0%
Unincorporated	4,118	1.2%
Westminster	90,911	26.3%
<b>Division 3 Total</b>	<b>345,512</b>	<b>100.0%</b>

**Division 4**

Place	Total Population	Percent of Division
Costa Mesa*	104,080	31.3%
Huntington Beach	198,711	59.7%
Newport Beach*	4,685	1.4%
Seal Beach	25,242	7.6%
Unincorporated	123	0.0%
<b>Division 4 Total</b>	<b>332,841</b>	<b>100.0%</b>

**Division 5 Total**

Place	Total Population	Percent of Division
Aliso Viejo*	2,051	0.6%
Costa Mesa*	7,838	2.4%
Irvine*	183,155	55.2%
Laguna Beach*	0	0.0%
Laguna Hills*	8,900	2.7%
Laguna Woods	17,644	5.3%
Lake Forest*	23,793	7.2%
Mission Viejo*	6,730	2.0%
Newport Beach*	80,554	24.3%
Unincorporated	851	0.3%
<b>Division 5 Total</b>	<b>331,516</b>	<b>100.0%</b>

**Division 6**

Place	Total Population	Percent of Division
Coto de Caza CDP*	14,710	4.2%
Irvine*	98,256	27.9%
Ladera Ranch CDP*	3,660	1.0%
Lake Forest*	43,323	12.3%
Las Flores CDP	5,995	1.7%
Mission Viejo*	56,467	16.0%
Rancho Santa Margarita	47,949	13.6%
Trabuco Canyon CDP*	1,020	0.3%
Tustin*	80,016	22.7%
Unincorporated	681	0.2%
<b>Division 6 Total</b>	<b>352,077</b>	<b>100.0%</b>

**Division 7**

Place	Total Population	Percent of Division
Aliso Viejo*	50,125	14.0%
Coto de Caza CDP*	0	0.0%
Dana Point	33,107	9.3%
Ladera Ranch CDP*	22,510	6.3%
Laguna Beach*	23,032	6.5%
Laguna Hills*	22,474	6.3%
Laguna Niguel	64,355	18.0%
Mission Viejo*	30,456	8.5%
Rancho Mission Viejo CDP	10,378	2.9%
San Clemente	64,293	18.0%
San Juan Capistrano	35,196	9.9%
Unincorporated	1,156	0.3%
<b>Division 7 Total</b>	<b>357,082</b>	<b>100.0%</b>

\*City split by proposed division.

Percent shares calculated using unrounded numbers, but table displays only to tenths; therefore, percents displayed may not sum to 100%.

**Municipal Water District of Orange County 2022 Redistricting  
Plan 7A**

**Table 5. 2020 Census Population 18 Years and Over by Race/Ethnicity**

<b>Proposed Division</b>	<b>Total Population 18 and Over</b>	<b>Hispanic or Latino of any Race</b>	<b>Non-Hispanic White</b>	<b>Non-Hispanic Black or African-American</b>	<b>Non-Hispanic American Indian or Alaska Native</b>	<b>Non-Hispanic Asian</b>	<b>Non-Hispanic Native Hawaiian or Other Pacific Islander</b>	<b>Non-Hispanic Some Other Race</b>	<b>Non-Hispanic Two or More Races</b>
<b>1</b>	260,778	86,067	93,701	5,516	558	65,979	545	1,053	7,359
	100.0%	33.0%	35.9%	2.1%	0.2%	25.3%	0.2%	0.4%	2.8%
<b>2</b>	262,327	87,329	94,020	3,476	476	67,665	765	1,098	7,498
	100.0%	33.3%	35.8%	1.3%	0.2%	25.8%	0.3%	0.4%	2.9%
<b>3</b>	275,144	64,344	79,065	3,927	438	117,567	1,152	977	7,674
	100.0%	23.4%	28.7%	1.4%	0.2%	42.7%	0.4%	0.4%	2.8%
<b>4</b>	273,632	60,919	161,237	3,250	656	33,612	790	1,542	11,626
	100.0%	22.3%	58.9%	1.2%	0.2%	12.3%	0.3%	0.6%	4.2%
<b>5</b>	277,309	38,566	147,674	5,099	286	71,735	314	1,484	12,152
	100.0%	13.9%	53.3%	1.8%	0.1%	25.9%	0.1%	0.5%	4.4%
<b>6</b>	270,856	53,109	126,224	4,686	314	74,204	439	1,142	10,738
	100.0%	19.6%	46.6%	1.7%	0.1%	27.4%	0.2%	0.4%	4.0%
<b>7</b>	283,549	49,797	190,882	3,105	577	25,271	401	1,387	12,128
	100.0%	17.6%	67.3%	1.1%	0.2%	8.9%	0.1%	0.5%	4.3%
<b>MWDOC TOTAL</b>	1,903,595	440,131	892,803	29,059	3,305	456,033	4,406	8,683	69,175
	100.0%	23.1%	46.9%	1.5%	0.2%	24.0%	0.2%	0.5%	3.6%

Percent shares calculated using unrounded numbers, but table displays only to tenths; therefore, percents displayed may not sum to 100%.

Source: 2020 Census P.L. 94-171 Redistricting Data File


# 2022 MWDOC Board of Directors Redistricting

Adjustment of MWDOC Division Boundaries Pursuant To Elections Code  
Municipal Water District of Orange County

February 16, 2022

1

## Redistricting Timeline

Timeline		
December 6, 2021	Received Public and Board input	<b>1<sup>st</sup> Public Hearing</b>
January 5, 2022	Presented two mapping plans and obtained Board input	Board Workshop Meeting
January 13, 2022	Presented seven mapping plans and received Board input	Special Board Meeting
January 19, 2022	Presented revised mapping plans and received Public and Board input	<b>2<sup>nd</sup> Public Hearing</b>
 February 16, 2022	<b>Present Plans 6A and 7A. Receive Public input. Board consideration of a final mapping plan. Adopt adjusted division boundaries by Resolution.</b>	<b>3<sup>rd</sup> Public Hearing</b>

2

Plan	Overall Percent Spread	Viable?
6A	8.49%	Yes
7A	7.50%	Yes
1	6.53%	Yes
2	7.22%	Yes
3	11.66%	No
4	14.22%	No
5	9.11%	Yes
6	6.33%	Yes
7	8.32%	Yes

Percent spread is the difference between the smallest and largest divisions.

3



## Division 1 Al Nederhood



Division 3  
Bob McVicker



Division 6  
Jeff Thomas



Division 2  
Larry Dick



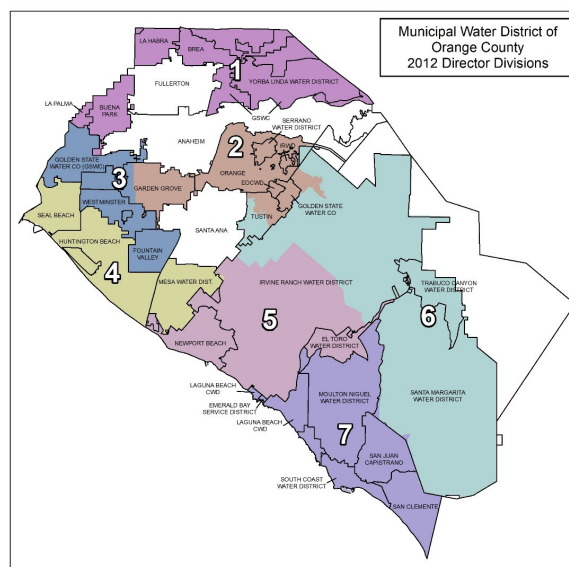
Division 4  
Karl Seckel



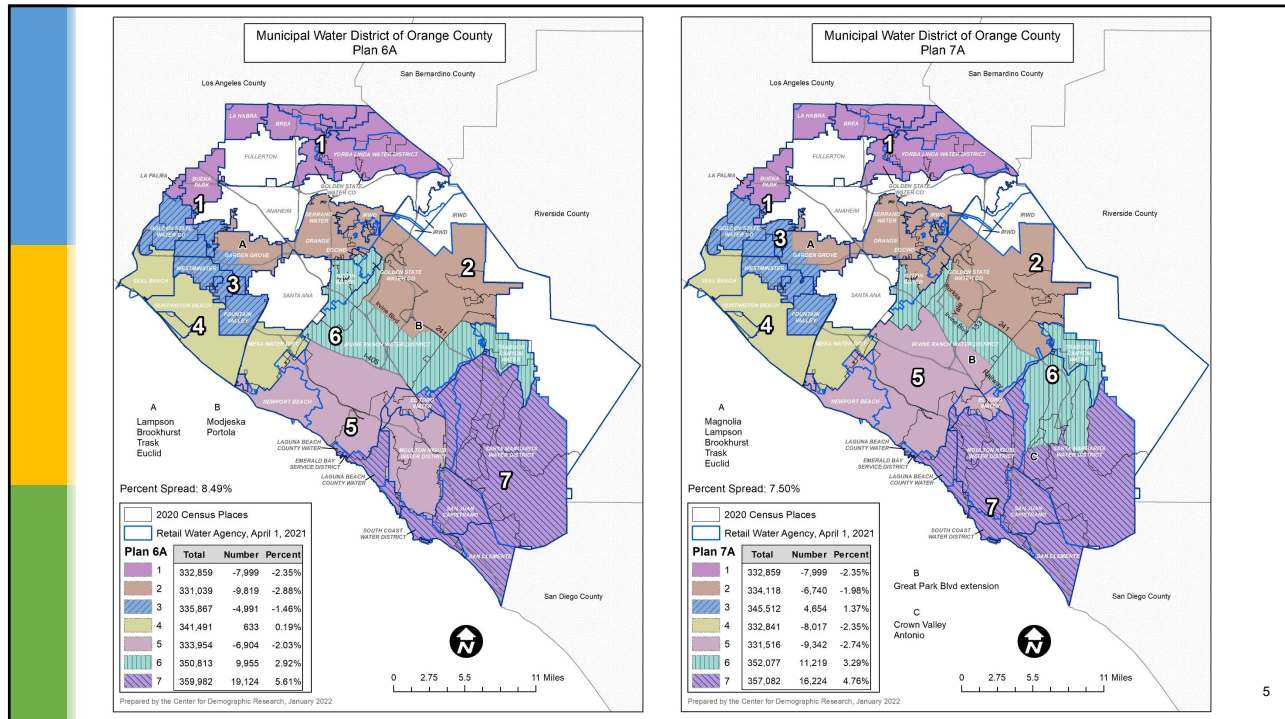
Division 7  
Megan  
Yoo Schneider



## Division 5 Sat Tamaribuchi



4



## Recommended Action

- Consider a single final proposed Director Division map, and adopt the final plan by resolution.

RESOLUTION NO. \_\_\_\_\_

**A RESOLUTION OF THE BOARD OF DIRECTORS OF  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
ADJUSTING ITS DIRECTOR DIVISION BOUNDARIES**

WHEREAS, the Municipal Water District of Orange County (MWDOC) is a municipal water district subject to the Municipal Water District Act of 1911, and under this Act the MWDOC Director Divisions are to be approximately equal in population; and

WHEREAS, the MWDOC Board is required by Section 22000 et seq. of the California Elections Code to adjust the boundaries of the Divisions, after each federal decennial census, so that the Divisions are as equal in population as practicable and also comply with the Federal Voting Rights Act;

WHEREAS, population within the seven MWDOC Director Divisions, with boundaries as last adjusted in 2012, has shifted enough that an adjustment in the Division boundaries is warranted based on 2020 Census information; and

WHEREAS, the MWDOC Board considered nine alternatives to revise Divisions boundaries at meetings, three of which were public hearings, held on December 6, 2021 (public hearing), January 5, 2022, January 13, 2022, January 19, 2022 (public hearing), and February 16, 2022 (public hearing), at which time the Board selected Alternative \_\_\_\_, which adjusts the division boundaries to provide for more balanced populations;

WHEREAS, a change in Division boundaries pursuant to Elections Code section 22000(a) must be made by a Board Resolution and adopted by a vote of not less than a majority of the Directors after a public hearing; and

WHEREAS, the Board finds that it has considered the many factors that may be considered by law in drafting the division boundaries; the information in the staff reports, maps, and presentations and Board and public input has informed the Board's decision; and the proposed boundaries comply with state and federal requirements,

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Municipal Water District of Orange County that the following adjustments be made to its Division boundaries:

**Section 1. Adjusted Division Boundaries**

The MWDOC Director Division boundaries shall be adjusted and reestablished as shown in the attached Exhibit A.

Said Resolution was adopted, on roll call, by the following vote:

AYES:  
NOES:  
ABSTAIN:  
ABSENT:

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



February 16, 2022.

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MARIBETH GOLDSBY, District Secretary,  
Municipal Water District of Orange County

**Exhibit A**

Map of 2022 Boundaries of MWDOC Director Divisions



**ACTION ITEM**  
February 16, 2022

**TO:**           **Planning & Operations Committee**  
(Directors Tamaribuchi, McVicker, Nederhood)

**FROM:**       **Robert Hunter, General Manager**

Staff Contact: Charles Busslinger

**SUBJECT:   South Coast Water District Use of the Orange County Hydraulic Model**

**STAFF RECOMMENDATION**

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Staff recommends the Board of Directors approve two agreements relating to MWDOC member agency use of the Orange County Regional Distribution System Hydraulic Model (OC Hydraulic Model):

1. Approval of a consulting services agreement with Black & Veatch (B&V) through MWDOC's On-Call Technical Services slate in an amount not to exceed \$43,880 for services to complete the scope of work defined by South Coast Water District (SCWD) and B&V; and
2. Authorization for the General Manager to enter into a cost reimbursement agreement with SCWD to reimburse MWDOC for on-call technical services in conjunction with use of the OC Hydraulic Model in a total not to exceed amount of \$43,880 plus a 20% model usage fee of up to \$8,776. The final 20% model usage fee will be determined and billed upon completion of SCWD's use of the OC Hydraulic Model.

**COMMITTEE RECOMMENDATION**

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The Committee will discuss this item on February 14, 2022 and make a recommendation to the Board.

<b>Budgeted (Y/N):</b> N/A	Budgeted amount:	Core ____	Choice <u>X</u>
<b>Action item amount:</b>	Line item:		
<b>Fiscal Impact (explain if unbudgeted):</b> Consulting services costs not to exceed \$43,880 connected with MWDOC member agency use of the OC Hydraulic Model will be reimbursed by the requesting agency. The OC Hydraulic Model has been paid for through MWDOC's general fund. Cost of creation of the hydraulic model will be reimbursed through a 20% usage fee billed at the end of the project.			

## SUMMARY

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On May 20, 2020, the MWDOC Board approved the creation of the OC Regional Distribution System Hydraulic Model (OC Hydraulic Model) at a total cost of \$188,500. The approval included a cost recovery aspect to repay MWDOC's general fund over time for the investment made. The cost recovery will be paid for by member agencies who use the hydraulic model through a 20% usage fee applied to the final cost of the selected consultant's actual fees for conducting analyses using the OC Hydraulic Model. The 20% usage fee will continue to be applied for use of the hydraulic model until the initial investment has been re-paid.

On May 19, 2021, The Board approved an On-Call Technical Services (On-Call Services) slate of consulting firms to support Reliability Planning, Engineering & Resource Development. The On-Call Services slate was established through a competitive process. The On-Call Services slate contains multiple consulting firms with requisite expertise in Innovyze's InfoWater modeling software (the software platform the OC Hydraulic Model is built on), and provides MWDOC member agencies a choice of consultants specializing in hydraulic modeling when they wish to use the OC Hydraulic Model. Use of MWDOC's On-Call Services slate through a reimbursement agreement, also provides for MWDOC to maintain and administer version control of the model so that conflicting versions of the model do not develop over time.

South Coast Water District (SCWD) has requested use the OC Hydraulic Model for the purposes of project planning including;

- Analysis of critical pipelines outages and mitigation of pipe break impacts on the Joint Regional Water Supply System (JRWSS), the Water Importation Pipeline (WIP), and portions of the South County Pipeline (SCP);
- Modeling of reverse flows through the WIP,
- Analysis of potential Doheny Ocean Desalination Project supplies to determine the areas and the extent that can be fed from a potential desal plant.

SCWD has informed MWDOC that they have selected the consultant B&V for the hydraulic modeling efforts from MWDOC's list of approved on-call consultants. SCWD and B&V have collaborated on and agreed to the scope of work to complete this effort.

Staff is recommending the Board enter into a standard consulting services agreement with Black & Veatch for the agreed upon scope of work between SCWD and B&V for a total not to exceed amount of \$43,880. Staff also recommends authorizing the General Manager to enter into a reimbursement agreement with SCWD to use the OC Hydraulic Model, reimburse MWDOC for the total cost of B&V's scope of work in a total not to exceed amount of \$43,880 plus a 20% model usage fee of up to \$8,776, and limit MWDOC's liability. The 20% usage fee will be paid upon completion of SCWD's use of the hydraulic model.

## BOARD OPTIONS

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### Option #1

- Approval of a consulting services agreement with Black & Veatch (B&V) through MWDOC's On-Call Technical Services slate in an amount not to exceed \$43,880 for services to complete the scope of work defined by SCWD and B&V; and
- Authorization for the General Manager to enter into a cost reimbursement agreement with South Coast Water District (SCWD) to reimburse MWDOC for on-call technical services in conjunction with use of the OC Hydraulic Model in a total not to exceed amount of \$43,880 plus a 20% model usage fee of up to \$8,776. The final 20% model usage fee will be determined and billed upon completion of SCWD's use of the OC Hydraulic Model.

**Fiscal Impact:** Usage fee paid to MWDOC will begin to recover the cost of developing the OC Hydraulic Model.

**Business Analysis:** MWDOC staff continually seeks to improve the reliability of Orange County water resources. MWDOC created the OC Hydraulic Model as an important tool for improving our understanding of potential water quality and operational issues with the goal of avoiding unintended consequences.

## Option #2

- Do not approve the agreements

**Fiscal Impact:** None

**Business Analysis:** If the Board does not approve the agreements, SCWD will have to find other means to analyze critical distribution pipeline outage and mitigation analyses and cost recovery of the hydraulic model will be delayed.

## STAFF RECOMMENDATION

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### Option #1

Attachments:

1. SCWD Agreement Reimbursement of Consultant Costs Re Orange County Hydraulic Model
2. MWDOC Agreement with Black & Veatch for Hydraulic Model Work for SCWD

## AGREEMENT FOR REIMBURSEMENT OF CONSULTANT COSTS AND USE OF THE ORANGE COUNTY REGIONAL DISTRIBUTION SYSTEM HYDRAULIC MODEL

This Agreement for reimbursement of Consultant Costs and Use of the Orange County Regional Distribution System Hydraulic and Water Quality Model (“Agreement”) is made and entered into by and between:

### 1. South Coast Water District

(collectively “Participating Agencies” and individually “Participating Agency”) and Municipal Water District of Orange County (“MWDOC”). The Participating Agencies and MWDOC are also collectively referred to as “Parties.”

## RECITALS

WHEREAS, for the past several years, MWDOC has collaborated with several of the Participating Agencies and The Metropolitan Water District of Southern California (“Metropolitan”) to evaluate new water supply integration into the Orange County regional distribution system (“Orange County Regional Distribution System”).

WHEREAS, multiple water supply projects are proposed or ongoing, that could result in unintended water quality consequences to the Orange County Regional Distribution System from the simultaneous introduction of multiple sources of water including: desalinated water, pumping water into regional pipelines during emergency events, percolation of treated recycled water, and capture of stormwater into groundwater basins for subsequent pumping and treatment.

WHEREAS, on May 20, 2020, MWDOC’s Board of Directors approved entering a professional services agreement with Black & Veatch Corporation (“Black & Veatch”) at a cost of \$188,500 to build and calibrate an Orange County Regional Distribution System Hydraulic Model (the “Model”) that will be used for hydraulic and water quality analyses and operational planning going forward.

WHEREAS, Black and Veatch has completed the Model, which is developed in a way that additional water quality modules can be added, if and when needed.

WHEREAS, MWDOC has approved a list of on-call consultants it has authorized to use the Model, and MWDOC intends to maintain control of the Model.

WHEREAS, the Participating Agencies share many water supply characteristics, including water sources, regional water management agencies, location, climate history, and demographics.

WHEREAS, the Participating Agencies and MWDOC desire to cooperate with each other to effectively operate and plan for the Orange County Regional Distribution System, and to achieve economies of scale and thereby reduce costs for each of the Participating Agencies in planning for water supply integration through this Agreement.

WHEREAS, MWDOC and its staff are willing to coordinate this process, including the preparation and administration of a professional services agreement with the selected consultant; and the administration of the cost reimbursement provisions of this Agreement.

WHEREAS, the Participating Agencies and MWDOC intend to agree to a method by which MWDOC, as custodian of the Model, shall make it available to Participating Agencies for their use, at their cost plus a 20% markup until the cost of creating the Model is recovered, by selecting a consultant and by agreeing to repay MWDOC for actual costs of the consultant and for the investment made in developing the Model.

WHEREAS, the Participating Agencies may choose a consultant from MWDOC's approved list of on-call consultants, or another consultant which has been reviewed through MWDOC's Request for Proposals ("RFP") process for purposes of this Agreement.

NOW, THEREFORE, in consideration of the payment of money as set forth between and the mutual promises of the Parties hereto, it is agreed:

1. Engagement of Consultant and Administration of Consultant Agreement

- 1.1 The Participating Agency shall choose a consultant (the "Consultant") either from the list of on-call consultants MWDOC has approved for use of the Model or another consultant which has been reviewed through MWDOC's RFP process, and shall notify MWDOC in writing of the Participating Agency's selection.
- 1.2 MWDOC shall issue a task order to the Consultant selected by the Participating Agency to begin working with the Participating Agency to develop a scope of work and cost estimate for purposes of executing a consultant agreement ("Consultant Agreement") with the Participating Agency and with MWDOC.
- 1.3 The Participating Agency agrees to and shall reimburse MWDOC for (i) all of the Consultant's actual costs of work, and (ii) an additional fee of 20% of the Consultant's actual costs upon completion of the project, charged up until the time MWDOC is fully reimbursed for its costs of \$188,500 in preparing the Model as set forth in Section 2.3 herein.
- 1.4 The Participating Agency agrees to and shall sign Metropolitan's Non-Disclosure Agreement kept on file with MWDOC regarding use of the Model.
- 1.5 MWDOC shall require the Consultant to initiate program controls to maintain one "baseline" Model for version control purposes. Scenario models shall be handled through version control protocols set up with Black & Veatch.
- 1.6 Participating Agencies agree that ownership of the model is retained by MWDOC, but all information is available to each Participating Agency as needed for purposes of the Consultant Agreement.

- 1.7 MWDOC shall coordinate all aspects of the proposed work with Consultant and communicate with each Participating Agency, regularly and upon request of the Participating Agency, regarding the status and substance of the use of the Model.
- 1.8 Each Participating Agency shall provide all documents, information and assistance requested by Consultant during the performance of the Consultant Agreement.
- 1.9 Upon approval of MWDOC's General Manager of the Consultant's scope of work and execution of the Consultant Agreement, MWDOC shall review and execute a task order authorizing the Consultant to proceed with its work using the Model.

## 2. Cost Reimbursement by Participating Agencies

- 2.1 The actual costs of work shall be determined by the development of the Consultant's scope of work, which can but is not required to include a not to exceed amount.
- 2.2 MWDOC shall:
  - 2.2.1 Collect from each Participating Agency upon execution of this Agreement or at other times as agreed upon between MWDOC and the Participating Agency the total amount of the scope of work cost estimate.
  - 2.2.2 Inform each Participating Agency of any proposed extra work under the Consultant Agreement and that would result in an increase in that Participating Agency's payment under this Agreement. MWDOC and the affected Participating Agency must both approve such extra work before MWDOC will notify Consultant to proceed with the work.
  - 2.2.3 Be responsible for making progress payments directly to Consultant from funds paid to MWDOC by Participating Agencies (see Section 2.3).
  - 2.2.4 Prepare a final accounting as determined by the actual work completed, plus the additional fee of 20% of the Consultant's actual costs, and either distribute any remaining funds collected from the Participating Agencies back to the Participating Agencies or issue a final bill to Participating Agencies where there are funds due.
- 2.3 Each Participating Agency shall:
  - 2.3.1 Pay to MWDOC upon execution of this Agreement or at other times as agreed upon between MWDOC and the Participating Agency the total amount of the scope of work cost estimate that will total the portion of the total cost allocated to that Participating Agency in the Consultant Agreement.

- 2.3.2 Pay to MWDOC, upon prior written approval of any extra work under the Consultant Agreement, the full amount owed for the approved work. Each Participating Agency shall bear all costs associated with extra work it approves.
- 2.3.3 *Note that as Participating Agencies decide to participate or not to participate in the Consultant Agreement, the reimbursement of costs among the Participating Agencies for the Consultant and MWDOC's model recovery costs may vary somewhat from agency to agency. Information relative to adjustments in costs among Participating Agencies shall be shared on a periodic basis as decisions are being made by the various Participating Agencies.*
- 2.3.4 Upon completion of the project, pay MWDOC an additional fee of 20% of the Consultant's actual costs, as set forth in Section 1.3 herein.

3. Accounting

Upon request of any Participating Agency, MWDOC will provide copies of the selected Consultant's invoices and MWDOC's payment records.

4. Independent Contractor

Any Consultant engaged by MWDOC on behalf of the Participating Agencies as contemplated in this Agreement will not be a party to this Agreement and will not be an employee or agent of MWDOC or any of the Participating Agencies, either as a result of this Agreement or as a result of the professional services agreement between MWDOC, the Participating Agency, and the Consultant. Any Consultant engaged as contemplated in this Agreement will be an independent contractor to MWDOC and the Participating Agency.

5. Warranty, Indemnification and Defense

MWDOC shall use its best efforts in administering the Consultant Agreement, but makes no representations, guarantees or warranties to the Participating Agencies as to the quality or timeliness of work product provided by Consultant pursuant to the Consultant Agreement. The Participating Agencies, and each of them, shall indemnify MWDOC, its directors, officers, employees and agents against, and will hold and save them harmless from, any and all actions, claims, penalties, obligations or liabilities, in law or in equity, of every kind or nature whatsoever, that may be asserted or claimed by any person, firm, entity, corporation, political subdivision or other organization arising out of or in any manner directly or indirectly connected with the Consultant Agreement and/or any other work contemplated by this Agreement. In the event MWDOC, its directors, officers, employees and agents are made a party to any action or proceeding filed in connection with a challenge to any work prepared pursuant to the Consultant Agreement and/or any other work contemplated in this Agreement, the Participating Agency whose work is challenged shall provide a complete defense to MWDOC, its directors, officers,



employees and agents and shall reimburse MWDOC for all costs and expenses incurred as a result of the action or proceeding, including reasonable attorney's fees.

6. Amendment

This Agreement may be amended at any time by mutual written agreement of the Parties.

7. Notice

Any notice or communication required to be given under this Agreement shall be in writing and effective when deposited, first class postage prepaid, with the United States Postal Service addressed to the Parties as follows:

1. Municipal Water District of Orange County Robert J. Hunter, General Manager 18700 Ward St. P.O. Box 20895 Fountain Valley, CA 92728
2. South Coast Water District Rick Shintaku, General Manager 31592 West St. Laguna Beach, CA 92651

8. Jurisdiction and Venue

In all matters concerning the validity, interpretation, performance, or effect of this Agreement, the laws of the State of California shall govern and be applicable. The Parties hereby agree and consent to the exclusive jurisdiction of the courts of the State of California and that venue of any action brought hereunder shall be in Orange County, California.

9. Counterparts and Facsimile

This Agreement may be executed by the Parties in counterparts, which counterparts shall be construed together and have the same effect as if all the Parties had executed the same instrument. Counterpart signatures may be transmitted by facsimile, email, or other electronic means and have the same force and effect as if they were original signatures. All parties have participated in the drafting of this Agreement.

10. Severability

If any provision of this Agreement shall be held illegal, invalid, or unenforceable, in whole or in part, the legality, validity, and enforceability of the remaining provisions shall not be affected thereby.

11. Term

This Agreement shall commence upon the date of the earliest execution by any Participating Agency below and shall extend thereafter through the completion of all work product generated by the Consultant and delivered to MWDOC and to each Participating Agency. MWDOC shall issue a Notice of Completion to all Participating Agencies upon close-out of the Consultant Agreement. Notwithstanding anything to the contrary in this Section 11, this Agreement may be terminated earlier by MWDOC in its discretion upon or after termination of the Consultant Agreement.

12. Entire Agreement

This Agreement contains the entire agreement of the Parties relating to the subject matter hereof; and the Parties have made no agreements, representations, or warranties, either written or oral, relating to the subject matter hereof that are not set forth herein. Except as provided herein, this Agreement may not be modified or altered without prior written approval from both parties.

**IN WITNESS THEREOF**, the parties have executed this Agreement on the dates set forth below.

SOUTH COAST WATER DISTRICT

Dated: \_\_\_\_\_

By: \_\_\_\_\_  
General Manager

\_\_\_\_\_  
Typed Name

MUNICIPAL WATER DISTRICT  
OF ORANGE COUNTY

Dated: \_\_\_\_\_

By: \_\_\_\_\_  
*General Manager*

Robert J. Hunter  
*Typed Name*

\_\_\_\_\_  
MWDOC GENERAL COUNSEL

Attachment: Black & Veatch JRWSS Scope of Work



January 24, 2022

Kyle Gough  
Transmission Main Manager  
South Coast Water District  
Joint Regional Water Supply System

Charles Busslinger  
Municipal Water District of Orange County  
18700 Ward Street  
Fountain Valley, CA 92708

Subject: JRWSS Modeling Scenario Proposal

Dear Mr. Busslinger:

Black & Veatch (BV) is pleased to provide Municipal Water District of Orange County (MWDOC) with this proposal to perform additional hydraulic modeling work on the JWRSS pipeline in support of MWDOC's efforts toward water resiliency in southern California.

The MWDOC hydraulic model has been calibrated for the portion of the transmission system that include the conveyance network downstream of CM-10 including the Joint Transmission Main (JTM), the Eastern Transmission Main, the Water Importation Pipeline (WIP), and the Local Transmission Main (LTM). The conveyance network from the South County Pump Station and the Baker Treatment Plant down to the interconnection at the WIP is also included in the MWDOC model. The model also includes the conveyance network from Diemer and Weymouth Treatment Plants, including the Allen-McColloch Pipeline (AMP), the East Orange County Feeder (EOCF), and the West Orange County Feeder (WOCF). The purpose of this study is to perform modeling evaluations of several scenarios with the MWDOC model within the Joint Regional areas of the model and the sections in the model hydraulically upstream of CM-10 and the South County Pump Station will be excluded from the modeling scenarios to simplify the scenarios and the needed input. The subsection of the model that will be used in these evaluations relative to the entire model is shown in Figure 1 and the sections in red will be included in the evaluations and the sections in blue will be excluded. The portion of the model that will be used in these evaluations will be referred to as the "JRWSS sub-system".



Figure 1 MWDOC Model and JRWSS Sub-system



In general, the overall modeling effort is separated into four general tasks:

- Task 1 - Project Administration
- Task 2 - Data Validation and Hydraulic Criteria
- Task 3 - JRWSS Sub-system Hydraulic Conveyance Evaluations
  - Reverse Flow through WIP
  - Critical outage of pipe downstream of CM-10
  - Critical outage of pipe in South County
  - Critical outage of both JTM and SCP
- Task 4 – Addition of Doheny Desal (SCWD)
- Task 5 - Documentation of Results and Findings
- Task 6 - Contingency

## INTRODUCTION

### Task 1: Project Administration

#### Task 101 – Project Administration

Provide management and administration of the project including progress reporting, schedule, and invoicing.

#### Task 102 – Meetings

The scope includes for up to six meetings (web-based) with JRWSS:

- A project initiation meeting to perform introductions, review the scope, understand JRWSS goals for hydraulic performance, and review the demand (take-out) conditions to be used as model input
- Up to four intermittent meetings to discuss progress and findings to date
- A meeting to review the draft TM and findings

#### Deliverables:

- Meeting agendas and minutes
- Project progress reports and invoicing



## Task 2: Data Validation and Hydraulic Criteria

Black & Veatch will review the existing model and prepare and submit a list of take-out locations that are located within the sections shown in Figure 1 and provide to JRWSS for review. In collaboration with JRWSS staff, the demand and the hydraulic criteria (in terms of the necessary minimum HGL) will be determined for each take-out. In addition to the take-outs, each scenario will need to have criteria defined for the hydraulic control points at the boundary conditions. For example, it will be necessary to determine the magnitude of flow coming in from both CM-10 and South County for each scenario, as well as the incoming hydraulic grade lines at the boundary conditions between the JRWSS sub-system and the portions of the model that will be excluded from the evaluations.

### Deliverables:

- JRWSS sub-system take-out locations, demands, and hydraulic criteria
- Boundary conditions for incoming supply and hydraulic grade line
- Pressure Control Structure settings

## Task 3: JRWSS Sub-system Hydraulic Conveyance Evaluations

The calibrated hydraulic model will be used for all evaluations. From the previous task, Black & Veatch will work with JRWSS to establish appropriate demands, boundary conditions, and settings for pressure control within the JRWSS sub-system for each scenario. The model will be run in steady state mode for the capacity evaluations. The following four major scenarios will be evaluated, each major scenario may have up to two sub-scenarios developed for evaluation, except for the Critical Outage of Pipe Downstream of CM-10, which has three identified sub-scenarios.

### Task 301 – Reverse Flow through WIP

This scenario will evaluate an upsized interconnection between the WIP and the JTM/LTM at Stonehill Drive and Del Obispo Street which will allow water to flow in reverse from normal operations through the WIP. The extent of acceptable service based on the hydraulic grade line criteria will be assessed, primarily for the take-outs located along Avenida Pico.

### Task 302 – Critical Outage of Pipe Downstream of CM-10

This scenario will evaluate a pipe break downstream of CM-10 in the JRWSS sub-system and how water can be moved around to mitigate the impact of a pipe break. Following scenarios shall be evaluated:

1. The Sand Canyon interconnection between the JTM and the Aufdenkamp Transmission Main (ATM) may be utilized,



2. For a break downstream of the Sand Canyon intertie, a new intertie at the last section where the ATM and the JTM run parallel will be evaluated.

3. For a break downstream of Wye Vault (MNWD ETM connection), alternatives of water delivery for Member Agencies will be evaluated.

### **Task 303 – Critical Outage of Pipe within South County**

This scenario will evaluate a pipe break that occurs within the South County conveyance network, cutting off the feed into the WIP from South County. In this scenario, all take-outs in the JRWSS sub-system will be fed by supply from CM-10 and the extent at which this water can be moved through the LTM and the WIP to feed the take-outs along Avenida Pico will be assessed.

### **Task 304 – Critical Outage of within both JTM and SCP**

This scenario will evaluate a pipe break that occurs both within the JTM and the South County conveyance network, cutting off the feed into the WIP from South County. In this scenario, water supply from the alternatives evaluated in Task 302 and 303 will be used to assess the extent to which water is available to the take-outs.

## **Task 4: Doheny Desal (SCWD)**

This scenario will evaluate the addition of a 2 mgd, and 5 mgd desalination plant near the Doheny State Beach to determine the areas and the extent that can be fed from the desal plant. Pumping conditions for head and flow from the desal plant will be documented from this scenario.

## **Task 5: JRWSS Conveyance Evaluation Documentation**

Black & Veatch will document assumptions, model scenarios, evaluation, and results and findings in a brief draft technical memorandum (TM). TM will include any recommendations for additional evaluations. An electronic (PDF) copy of the complete draft TM will be provided.

Following a web-based meeting with JRWSS staff to discuss the draft TM, Black & Veatch will incorporate comments from the meeting and update the TM to address these comments. An electronic copy (PDF) of the final Technical Memorandum will be provided.

### **Deliverables and Meetings:**

- Draft and Final Technical Memorandum



## Task 6: Contingency

Hours to cover two additional scenarios, one each for JRWSS and SCWD, were included to be used if needed.

## BUDGET

The budget estimate, which reflects our approach and proposed scope of work for completing these tasks is \$43,880, broken down following. Note that this budget includes \$4,890 for contingency but does not include the 20% add-on for model development recovery by MWDOC.

TASK NO.	TASK NAME/ DESCRIPTION	PRINCIPLA/PROJECT MANAGER	PLANNING DIRECTION/QC	SR. PLANNING ENGINEER	PROJECT CONTROLS	CLERICAL/ADMIN	TOTAL PROJECT HOURS	TOTAL
		\$315	\$275	\$215	\$125	\$110		
Task 1: Project Administration		8		8	8	8	32	\$ 6,120
Task 2: Data Validation and Hydraulic Criteria		-		36			36	\$ 7,740
Task 3: JRWSS Sub-System Hydraulic Conveyance Evaluations		2	4	54				\$ 13,340
Task 4: Doheny Desal (SCWD)		1	1	18				\$ 4,460
Task 5: JRWSS Conveyance Evaluations Documentation		2	4	24		4		\$ 7,330
Task 6: Contingency		1	1	20			1	\$ 4,890
TOTAL		14	10	160	8	12	69	\$ 43,880





If this proposal meets with your approval, please provide written authorization to that effect. If you have any questions or need anything else, please do not hesitate to contact me at (949) 788-4250 or [thomasml@bv.com](mailto:thomasml@bv.com).

Thank you once again for allowing us the opportunity to provide this proposal and to be of service to MWDOC.

Very truly yours,

Black & Veatch Corporation

A handwritten signature in blue ink that reads "Matthew L. Thomas".

Matthew L. Thomas, P.E.  
Associate Vice President

cc: pw, dk



**ACTION ITEM**  
February 16, 2022

**TO:** Board of Directors

**FROM:** **Planning & Operations Committee**  
(Directors Tamaribuchi, McVicker, Nederhood)

Robert Hunter,  
General Manager

Staff Contact: J. Berg,  
Director of Water Use Efficiency

**SUBJECT: Continuation of Temporary Acoustic Leak Detection Surveys and Staff Training**

**STAFF RECOMMENDATION**

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Staff recommends the Board of Directors authorize the General Manager to increase the agreement with Utility Services Associates, LLC. by \$157,000 to perform temporary acoustic leak detection surveys and provide leak detection training for MWD OC's Water Loss Control staff at a total cost not to exceed \$251,200.

**COMMITTEE RECOMMENDATION**

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Committee will review this item on February 14, 2022 and make a recommendation to the Board.

**SUMMARY**

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In October 2021, based on the staff report provided below, the Board authorized the General Manager to enter into a professional services agreement with Utility Services Associates, LLC. to perform 300 miles of acoustic leak detection and to provide leak detection training for MWD OC's new Water Loss Control staff at a total cost not to exceed \$94,200.

While progress has been made to hire and train new Water Loss Control staff and complete the 300 miles of leak detection the Board authorized in October, staff has concluded that additional support from Utility Services Associates, LLC. (USA) is needed to complete the 900 miles of leak detection member agencies have elected this fiscal year. As a result, staff

<b>Budgeted (Y/N): Yes</b>	Budgeted amount: \$251,200	Core ____	Choice _x_
<b>Action item amount: \$251,200</b>		Line item: 34-7040	
<b>Fiscal Impact (explain if unbudgeted):</b> The acoustic leak detection survey and training will be paid for through member agency shared services elections at \$144/mile and Metropolitan Water District funding at \$170/mile.			

is seeking Board authorization for up to 500 additional miles of leak detection and staff training support from USA. This would bring the total USA contract amount to \$251,200.

### **October 2021 Staff Report:**

*MWDOC member agencies have elected to complete 900 miles of acoustic leak detection surveys in FY21-22. Staff generally performs these surveys “in-house” but, due to staffing turnover, the Board authorized temporary assistance from a contractor for 300 miles of leak detection and staff training. This temporary contract will allow us to meet our leak detection obligations to the member agencies, as well as train our new staff, to ensure the continued smooth operation of the Water Loss Control Shared Services Program.*

### **DETAILED REPORT**

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*MWDOC provides acoustic leak detection surveys to the member agencies through the Water Loss Control Shared Services Program. Due to recent staffing turnover, MWDOC staff feels it is necessary to bring on a temporary contractor to survey 300 miles of main and to train two new MWDOC staff members, currently in the process of being hired. MWDOC member agencies have elected 900 miles of leak detection surveys during FY 21-22. This is a 260-mile increase over FY20-21 elections, and a 330-mile increase over FY19-20 elections.*

*In order to support the growing program and meet our obligations to the member agencies as timely as possible, on September 23, 2021, staff released an RFQ seeking quotes for Acoustic Leak Detection services for 300 miles and leak detection staff training. The RFQ was sent to seven companies known to provide these services. Two responses to the RFQ were received by the September 28, 2021 deadline. Respondents included Water Systems Optimization (WSO) and Utility Services Associates, LLC. (USA). Both companies were found to be capable of providing the defined leak detection services. WSO was unable to meet the scheduled start date of November 30 and offered a less competitive price. USA was able to meet our start date, provide staff training and offer a competitive price of \$314 per mile. While USA is based in Montana, their lead leak detection technician is located in Riverside County, reducing the travel fees and overall project costs.*

#### **Acoustic Leak Detection Surveys**

*The surveys will require the contractor to walk the designated mileage and use noise amplifying listening equipment to listen to all available fittings on main lines and service connections in the survey area including, but not limited to, angle meter stops, backflows, air release valves, and fire hydrants. When suspected leaks are identified, they will be noted and then revisited on a different day to validate that the leak noise is still present. Once a leak sound is detected, the technician uses a ground microphone and/or acoustic correlators to pinpoint the location of the leak, when possible. Validated leaks are recorded in an electronic GIS based system that captures key information about the leak. A final report detailing the confirmed leaks and the key information will be presented to MWDOC and each participating water retailer.*

*Comprehensive acoustic leak detection requires more time than a general leak survey where a technician listens only to accessible valves and hydrants. A general survey often fails to detect the majority of distribution system leakage, especially in Southern California where the majority of distribution system leakage tends to occur at low flow rates on meter and service connections. Only quotes for comprehensive acoustic leak detection surveys were considered.*

#### Leak Detection Training

*This project also includes the training of two new MWDOC staff members that are currently in the process of being hired. While it is expected that these staff members will have at least one year of water distribution system experience, it is unlikely that they will be familiar with acoustic leak detection because it is such a highly specialized field. They will need to be trained on the use of noise amplifying listening equipment and acoustic correlators, as well as basic leak investigation including acoustic leak detection theory, pumping out meter boxes, using probe rods, and visual inspection techniques. Following this training, their primary function will be performing leak detection surveys. The training will be mostly field-based, with supplemental classroom instruction.*

While progress has been made to hire and train new Leak Detection field crews and complete the 300 miles of leak detection the Board authorized in October, staff has concluded that additional support from USA is needed to complete the 900 miles of leak detection member agencies have elected this fiscal year. As a result, staff is seeking Board authorization for up to 500 additional miles of leak detection and staff training support from USA. This would bring the total USA contract amount to \$251,200.

### **BOARD OPTIONS**

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**Option #1:** Staff recommends the Board of Directors authorize the General Manager to enter into a professional services agreement, with Utility Services Associates, LLC. to perform acoustic leak detection surveys temporarily and to provide leak detection training for MWDOC's Water Loss Control staff at a total cost not to exceed \$94,200.

**Fiscal Impact:** Status quo, costs are covered by Choice contributions from Member agencies and leak detection incentives from Metropolitan.

**Business Analysis:** Honors MWDOC's obligations to provide leak detection services to member agencies and provides for training of new staff.

**Option #2:** The Board does not approve the contract for temporary leak detections and staff training services.

**Fiscal Impact:** Funding on account from member agencies would be refunded and an opportunity to access Metropolitan funding would be missed.

**Business Analysis:** MWDOC would be unable to honor obligations to provide leak detection services to member agencies, negatively affecting our relations.



**ACTION ITEM**  
February 16, 2022

**TO:** Board of Directors

**FROM:** **Planning & Operations Committee**  
(Directors Tamaribuchi, McVicker & Nederhood)

Robert Hunter  
General Manager

Staff Contact: J. Berg, Director of WUE

**SUBJECT: Landscape Design and Maintenance Assistance Programs**

**STAFF RECOMMENDATION**

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Staff requests the Board authorize the General Manager to extend the term of the agreements for the Landscape Design and Landscape Maintenance Assistance Programs to a five-year term ending June 30, 2024, using a combination of state and federal grant awards, Metropolitan Member Agency Administered funding, and member agency contributions.

**COMMITTEE RECOMMENDATION**

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Committee will review this item on February 14, 2022 and make a recommendation to the Board.

**SUMMARY**

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On June 19, 2019, the Municipal Water District of Orange County (MWDOC) Board of Directors approved continued implementation of the Landscape Design Assistance Program and the addition of a landscape maintenance component, now known as the Landscape Maintenance Assistance Program. Landscape design is one of the biggest barriers for homeowners to overcome when participating in MWDOC's Turf Removal Rebate Program (Turf Program). Our intention is to break down barriers and help ensure aesthetically appealing landscapes that will be adopted by others. The Landscape Design and Landscape Maintenance Assistance Programs provide participants with customized landscape designs and maintenance plans to achieve maximum water savings and maintain aesthetically appealing landscapes over time. The Programs are a growing part of

Budgeted (Y/N): Y	Budgeted amount:	Core ____	Choice _X_
Action item amount:		Line item: Fund No.	
Fiscal Impact (explain if unbudgeted): The proposed design and maintenance assistance will be funded through a combination of state and federal grant awards, Metropolitan Member Agency Administered funding, and member agency contributions.			

our Turf Program and consistently serve over half of the Turf Program participants since its beginning in 2019.

Landscape water use accounts for approximately 50 percent of total water use in Orange County. As a result, MWDOC offers a variety of landscape education and incentive programs to assist consumers to use irrigation water efficiently. In 2004, MWDOC began offering a variety of landscape rebates, starting with Smart Irrigation Timers to promote irrigation scheduling efficiency. This water savings opportunity, pioneered in Orange County, has resulted in quantifiable and reliable savings over time. Since then, we have expanded the opportunities to include low-volume sprinkler nozzles (2007), turf grass removal (2010), spray-to-drip conversions (2014), education, landscape design assistance pilot program (2017), the OC Water Smart Gardens website (2019), and regulations such as landscape ordinances (2005 & 2015). These efforts focus on both residential and commercial landscapes. Ultimately, we are seeking to establish a transformation of urban landscapes that will better match the water needs to our local climate and available water resources. That said, we are NOT advocating for the complete removal of turf grass; rather, we are advocating for functional turf areas that provide for recreation and other beneficial uses.

## **DETAILED REPORT**

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The Landscape Design and Landscape Maintenance Assistance Programs (Programs) provide one-on-one landscape design and/or maintenance plan assistance to residential property owners. The one-on-one design assistance includes consultation with the homeowner, a planting plan, an irrigation design plan, and a product materials list. The maintenance consultation includes a consultation with the property owner and a personalized maintenance guide for the existing plant materials for each landscape.

A Request for Proposals (RFP) process was conducted in the spring of 2019, through which three landscape firms were selected to provide designs and/or maintenance proposals for the Programs: EcoTech Service, Inc., The Plant Nerd, Inc., and TerraWorks Studio. The Board authorized the General Manager to enter into professional services agreements with those three landscape firms, as well as any other firms (to be determined) that demonstrate they are qualified to do the work and agree to a competitive fee structure. The average cost for a design package and onsite consultation is \$1,150, while the average cost for a maintenance package and onsite consultation is \$712. Should other firms be contracted with, staff will inform the Board via the monthly Water Use Efficiency Projects Status report contained in the Planning and Operations Committee packet. Per the Administrative Code requirement for competitive bidding every five years, once the current professional services agreements expire, should the programs continue beyond that date, a new competitive RFP process will be initiated.

In June 2019, the MWDOC Board approved \$160,000 in funding for these Programs through the Metropolitan Member Agency Administered (MAA) funding allocated to MWDOC. Then, in June 2020, the MWDOC Board approved an additional \$420,000 in funding for the continuation of these programs (consisting of \$165,000 through Metropolitan's FYs 20-22 MAA funding and \$255,000 in grant funding secured by MWDOC from Proposition 1 DWR Grants). Due to the success of the program, this funding authorization will be exhausted in February 2022. MWDOC will be requesting additional

funding through future grant applications, Metropolitan MAA funding program, and contributions from member agencies.

The Programs are a valuable addition to our Turf Program. Since the relaunch of the Landscape Design and the addition of the Landscape Maintenance component in August 2019, approximately 525 participants have signed up for these Programs, with over 380 receiving their design/maintenance packages and the remaining 145 still in progress.

Contracting with three landscape firms gives consumers a choice of contractors for their design or maintenance plans and maximizes the availability of design and maintenance services. Because staff does not have a firm quantity of participants over the next 28 months, a “not to exceed” amount is not included in the proposed Board authorization. Rather, staff is requesting authorization for a term of five-years for these services, which is consistent with the contracting requirements contained in the District’s Administrative Code.

Staff requests the Board of Directors authorize the General Manager to extend the term of the agreements for the Landscape Design and Landscape Maintenance Assistance Programs to a five-year term ending June 30, 2024 (one more year from the current Board authorization of June 30, 2023). A combination of state and federal grant awards, Metropolitan MAA funding and member agency contributions will be used to fund this work. Should all sources of available funding be exhausted, staff will pause implementation of the program until funding can be replaced.

## **BOARD OPTIONS**

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**Option #1:** The Board of Directors authorizes the General Manager to extend the term of the agreements for the Landscape Design and Landscape Maintenance Assistance Programs to a five-year term ending June 30, 2024, using a combination of state and federal grant awards, Metropolitan Member Agency Administered funding, and member agency contributions.

**Fiscal Impact:** None, staff is proposing to use pass-through funding from Metropolitan and grant awards.

**Business Analysis:** Landscape design is one of the biggest barriers for homeowners to overcome when participating in MWDOC’s Turf Removal Rebate Program. The Landscape Design and Landscape Maintenance Assistance Programs break down these barriers and help ensure aesthetically appealing landscapes that will be adopted/emulated by others. Participants have received and can continue to receive customized landscape designs and maintenance plans to achieve maximum water savings and maintain aesthetically appealing landscapes over time.

**Option #2:** No Action.

**Fiscal Impact:** None to MWDOC.

**Business Analysis:** MWDOC ends agreement with Landscape Design and Landscape Maintenance Assistance Programs contractors. Re-establishes a barrier to participation in the Turf Removal Rebate Program.

## **STAFF RECOMMENDATION**

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**Option #1**

# GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES FEBRUARY 2022

## MWDOC Agencies Managers Meeting

MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on January 20, 2022.

**In attendance were:** R. Correa – Brea, M. McGee – Buena Park, D. Youngblood – EOCWD, D. Cafferty – El Toro WD, M. Dunbar – Emerald Bay SD, M. Sprague & H. Lee – Fountain Valley, C. Pasillas – Garden Grove, K. Vecchiarelli – Golden State WC, A. Papa & C. Davis – Huntington Beach, P. Cook & P. Weghorst – Irvine Ranch WD, K. Van Der Maaten – Laguna Beach CWD, J. Chavira – La Palma, P. Shoenberger – Mesa WD, L. Rocha, K. Young & M. Collings – Moulton Niguel WD, M. Vukojevic – Newport Beach, M. Markus & J. Kennedy, A. Hutchinson – OCWD, J. Diaz – Orange, D. Rebensdorf – San Clemente, D. Ferons & J. Leach – Santa Margarita WD, I. Lee – Seal Beach, T. Kjolsing – South Coast WD, F. Paludi – Trabuco Canyon WD, M. Grisso – Tustin, S. Miller – Westminster, J. DeCriscio & D. Davert – Yorba Linda WD

**Staff in attendance were:** R. Hunter, H. De La Torre, A. Heide, C. Lingad, C. Busslinger, V. Osborn, M. Baum-Haley, J. Berg, K. Hostert, R. Waite, H. Baez, T. Baca, T. Victoria (CDR), D. Diep (CDR)

### General Meeting Information/Discussion Items:

- MWDOC Draft Agendas
- MWDOC and Member Agency Facilitated Discussions: Status Update
- MWDOC Conceptual FY 2022-23 Budget Review
- Metropolitan Updates
- Southern California “Shovel-Ready” Infrastructure Projects List
- Demand Management Funding Mechanism
- Water Supply Update
- On-Site Retrofit Update
- Engineering Update

### Announcements:

- “Shovel-Ready” Infrastructure Projects List Due January 21
- MWDOC Policy Dinner

**Next meeting will tentatively be held on February 17, 2022.**



<b>Meetings</b>	<ul style="list-style-type: none"> <li>• Charles Busslinger, Chris Lingad, and several potentially impacted agency staff participated in a meeting with MET staff on February 3, 2022, to discuss planning for repairs to a chlorine diffuser pipe at the Diemer WTP require a 7-day complete plant shutdown.</li> <li>• MWDOC staff and ABS Consulting, IDS Group, and Optima RPM participated in construction progress meetings in January regarding the admin building seismic retrofit and remodel. Meetings concerning close-out and final punch list items are being held.</li> <li>• Charles Busslinger and Chris Lingad held a meeting with Ed Means on January 4, 2022, to discuss the EOCF#2 Emergency Pilot Program.</li> <li>• Charles Busslinger and Chris Lingad held a meeting with MET and CDM Smith to discuss IRP scenarios and the OC Reliability Study update on January 12, 2022.</li> <li>• Charles Busslinger, Vicki Osborn, and Chris Lingad attended a meeting on January 11, 2022, with ETWD and Brady to discuss specific needs for the Primary Emergency Operations Center.</li> <li>• Charles Busslinger and Chris Lingad met with Dan Rodrigo on January 19, 2022, to discuss the OC Reliability Study update status.</li> <li>• Charles Busslinger and Chris Lingad attended a meeting with MNWD and MET on January 20, 2022, to discuss MNWD's interest in Direct Potable Reuse and a potential project they are working on. MET provided a status update on their progress on the Regional Recycled Water Project.</li> <li>• Charles Busslinger and Chris Lingad met with the impacted agencies of the AMP PCCP rehabilitation project on January 24, 2022. The group discussed options that could allow additional shutdown flexibility. A group follow-up meeting will be held on February 24, 2022.</li> <li>• Charles Busslinger and Chris Lingad held a meeting with Ed Means and MET on January 25, 2022, to discuss the initial scope of work for the EOCF#2 Emergency Pilot Project.</li> </ul>
<b>ENGINEERING &amp; PLANNING</b>	
<b>East Orange County Feeder No. 2 (EOCF#2) Emergency Pilot Program</b>	<p>Staff and Means Consulting continue to work with Metropolitan (MET) on defining and phasing a scope of work for emergency pump-in of local water supplies into EOCF #2 under MET Admin Code 4519: Emergency Deliveries of Member Agency Water Supplies in Metropolitan's System. The program is intended to enhance water supply reliability in the event of a prolonged emergency. As indicated previously, this is a multi-year effort. The intended outcome of this effort is a set of guidelines for MET member agencies to use to establish their emergency pump-in programs in MET's system. Hazen &amp; Sawyer is also providing technical assistance for this effort.</p>

<b>Economic Benefit Studies and Modeling Work to Quantify the Benefits of Local Projects in the Context of MET's 2020 Integrated Resources Plan (IRP)</b>	<p>MWDOC staff continues working with the Brattle Group and CDM Smith on the Economic Benefits Studies. The studies will be useful in helping MWDOC, and our agencies better understand the reliability benefits provided by potential supply investments at both the MET level and at the Orange County level by quantifying their economic benefits. The studies are looking at two main sectors of the economy: Residential and Business sectors. The benefits are being quantified by looking at the 'avoided costs' of water shortages to both of these sectors of the economy.</p> <p>Wallace Walrod, the economist for Orange County Business Council and sub-consultant for the Brattle Group, is leading the business portion of the economic benefit studies and is surveying the business community to determine how they might be impacted by both emergency water shortages (i.e., earthquakes) which are severe shorter-term shortages; and by longer-term and less severe shortages (i.e., droughts).</p> <p>Cal State University, Fullerton's Social Science Research Center (CSUF) has completed surveys of over 400 Orange County businesses. Dr. Walrod and Dr. Boarnet are currently analyzing the data and preparing a report. A presentation of business survey results is anticipated at P&amp;O Committee once the data has been analyzed.</p> <p>The residential impact analysis is being conducted by David Sunding of the Brattle Group, using available residential information.</p>
<b>Reliability Study Update</b>	<p>Staff is working with CDM Smith on an update to the reliability study. The update will look at five scenarios that include recent information, including uncertainty about the Delta Conveyance Project and more recent Climate Change impact information. The update will incorporate the latest demand forecasts from the 2020 Urban Water Management Planning efforts, update project cost information, and include updated information from MET's 2020 IRP process. Staff participated in a meeting with MET staff and CDM Smith on September 25, 2021, to discuss supply projections for the State Water Project and the Colorado River Aqueduct related to the reliability study update.</p> <p>Staff anticipates the update to be completed in the next few months. Staff will then bring the study results to the Board for discussion.</p>
<b>Doheny Ocean Desalination Project</b>	<p>South Coast Water District (SCWD) continues to develop the Doheny Ocean Desalination Project. SCWD is currently working through multiple due diligence items to move the project forward, including; permitting, plant sizing and siting, financing, and project delivery method. SCWD anticipates having all necessary permits by the end of the 1st Quarter of 2022 and estimates an online date of early 2026 if approved by the SCWD Board.</p> <p>On July 22, 2021, SCWD conducted its 7th workshop on the SCWD Integrated Water Resources Plan (IWRP). Included in that plan was the consideration of a strategy for various options for the Doheny Ocean Desalination Project. The SCWD Board approved an adaptive management strategy which includes proceeding with efforts to secure partners for a 5 MGD Doheny Ocean Desalination Project. If SCWD is unsuccessful in securing partners, SCWD will proceed with the construction of a smaller 2 MGD project that does not have future expansion capabilities.</p> <p>SCWD held a Special Board Meeting on September 2, 2021, to discuss the financial implications of the project. Clean Energy Capital (CEC) presented a water cost</p>

<b>Doheny Ocean Desalination Project – continued</b>	<p>analysis for the project where CEC presented cost projections for a 2 MGD project with an estimated 1st-year water cost of \$1,928/AF in 2021\$ and a 5 MGD project with an estimated 1st-year water cost of \$1,479/AF in 2021\$. The SCWD Board actions included accepting the water cost analysis; initiating a Public Outreach Program supporting the implementation of the project; re-engaging with task-related consultants for the development of necessary contract activities; and authorizing the SCWD General Manager to develop a partnership education plan to pursue and secure partnerships with local agencies to realize the cost savings a 5 MGD project provides.</p> <p>The third-party hydrogeology study of the San Juan Basin has been extended and includes work optimizing the north and south portions of the basin.</p>
<b>Poseidon Resources Huntington Beach Ocean Desalination Project</b>	<p>On April 29, 2021, the Santa Ana Regional Water Quality Control Board (SARWQCB) conditionally renewed Poseidon's permit governing the seawater intake and waste discharges.</p> <p>The next step for Poseidon is to seek a Coastal Development Permit (CDP) from the California Coastal Commission (CCC). Coastal Commission staff have informed Poseidon that the Commission will consider the Facility's CDP during its upcoming March hearing.</p>
<b>Shutdowns</b>	<p><b>Diemer Water Treatment Plant</b></p> <p>MET plans to repair a chlorine diffuser pipe at the Diemer WTP, requiring a seven-day full-plant shutdown. A meeting was held on February 3rd to inform MET of the agencies' local supply conditions for this calendar year. Shutdown dates are being reevaluated by MET staff at this time.</p> <p><b>Orange County Feeder</b></p> <p>MET is planning to reline and replace valves in a section of the Orange County Feeder from Bristol Ave to Corona Del Mar – this is the last section of this 80-year-old pipeline to be lined.</p> <p>MET has delayed the relining project and has proposed new shutdown dates of September 15, 2022, through June 15, 2023.</p> <p><b>Orange County Feeder Extension</b></p> <p>MET plans to reline 300-linear feet of the OC Feeder extension affecting the City of Newport Beach, IRWD, and LBCWD. MWDOC and the City are meeting with MET staff to review the Traffic Control Plan details.</p> <p>MET has delayed the relining project by one year and has proposed new shutdown dates of June 16, 2023, through July 10, 2023.</p> <p><b>Orange County Reservoir (OC Feeder)</b></p> <p>The decommissioning of the Orange County Reservoir has been rescheduled to March 20, 2022, through March 25, 2022. This work will affect the cities of Brea and La Habra.</p> <p><b>Lake Mathews Facility Shutdown</b></p> <p>Work on Lake Mathews will affect downstream untreated lines. MET is planning rehabilitation work on Lake Mathews facilities from March 14, 2022, through March</p>

<b>Shutdowns – continued</b>	<p>25, 2022. During the shutdown, the following agencies will be affected: OCWD, YLWD, Serrano WD, IRWD, TCWD, ETWD, SMWD, MNWD, and the City of San Clemente.</p> <p><b>Allen-McColloch Pipeline</b></p> <p>MET has completed 50% of the preliminary design of the AMP PCCP rehabilitation and is expected to be complete with the design by 2023. Preliminary design work currently underway includes identifying priority reaches, developing access locations, conducting geotechnical assessments, modeling a surge analysis, conducting real property assessments, identify permitting requirements, and development of a feeder isolation plan. A draft project schedule will be developed at the completion of the preliminary design. Rehabilitation of individual reaches will be based on the ongoing condition assessments, priorities, and shutdown schedules.</p> <p>MET plans to inspect additional sections of the AMP PCCP in FY 23-24.</p> <p>MWDOC staff continues to lead working group meetings with the impacted AMP agencies to discuss options that may reduce the number of shutdowns needed while also helping to increase reliability for future shutdowns. Potential sites are being looked at for their potential to extend shutdown durations and provide additional long-term reliability benefits.</p>
<h2 style="text-align: center;">MET ITEMS CRITICAL TO ORANGE COUNTY</h2>	
<b>MET Finance and Rate Issues</b>	<p><b><u>Current Update</u></b></p> <p>Water Transactions for November 2021 totaled 150.0 thousand acre-feet (TAF), which was 11.4 TAF higher than the budget of 138.6 TAF. This translates to \$132.0 million in revenues for November 2021, which were \$8.8 million higher than the budget of \$123.2 million. Year-to-date water transactions through November 2021 were 789.6 thousand acre-feet (TAF), which was 57.8 TAF higher than the budget of 731.8 thousand acre-feet (TAF). Year-to-date water revenues through November 2021 were \$714.1 million, which was \$41.8 million higher than the budget of \$672.3 million. As of November 30, 2021, Metropolitan's investment portfolio balance was \$1.35 billion.</p> <p><b><u>Biennial Budget Process</u></b></p> <p>Metropolitan embarks on its biennial budget every two years and the associated rates and charges, including a ten-year forecast. A draft budget is expected to come out in the next week. Prior to Board approval, which is anticipated at the April 12 Board Meeting, Metropolitan staff will hold the first of three Board workshops on February 7 at the Finance and Insurance Committee.</p> <p>The two-year budget will cover Fiscal Years 2022/23 and 2023/24 and include the rates and charges for Calendar Years 2023 and 2024. The the 100 percent Supply Alternative will be reintroduced as the demand management cost recovery method used in the proposals commencing with the 2023 rates and charges.</p>

<p><b>MET Integrated Resources Plan Update</b></p>	<p>Over the past two years, Metropolitan has worked on a new formulation of the Integrated Water Resources Plan (IRP). This first phase of the 2020 IRP incorporates scenario planning and features findings from a regional needs assessment. These findings are organized into five areas: (1) State Water Project dependent areas, (2) storage, (3) demand management, (4) Metropolitan imported supply, and (5) local supply. The findings will inform the selection and implementation of actions to address risks to Metropolitan's reliability.</p> <p>The Metropolitan Board will discuss the updated findings at the February 22 IRP Special Committee and seek Board adoption of the 2020 IRP Regional Needs Assessment Report at the March Board meeting. Once adopted, Metropolitan will begin a collaborative IRP implementation phase and adaptive management plan to identify specific actions informed by the needs assessment findings. This One Water approach will bring together imported and local supplies, storage, and demand management.</p> <p>The IRP's goal in guiding Metropolitan's investments is to avoid retail water shortages and mandatory end-user cutbacks. The 2020 IRP Needs Assessment highlights important risk areas for Metropolitan's reliability goal. The draft findings from the 2020 IRP Needs Assessment to fall within five key focus areas. These findings are summarized below. The scenario analyses found plausible reliability outcomes by the year 2045, with potential annual supply-demand gaps ranging from none under Scenario A to as high as 1.2 MAF under Scenario D. As Metropolitan proceeds towards implementation in the next phase of the IRP, specific actions must address these gaps in a manner consistent with the portfolio category analysis.</p> <p><b>Finding Area 1: <u>SWP Dependent Areas</u></b></p> <ul style="list-style-type: none"> <li>• Vulnerabilities in the SWP Dependent Areas are more severe given the reduced reliability of SWP supplies. Actions identified in the implementation phase must prioritize addressing the SWP Dependent Area's reliability challenges.</li> <li>• New core supplies and new/or existing storage must first address and reach SWP Dependent Areas.</li> <li>• System flexibility and distribution system investments can increase SWP Dependent Areas' access to existing core supplies and storage.</li> <li>• Shortages on the Colorado River Aqueduct limit the effectiveness of system distribution improvements.</li> </ul> <p>Water demand in Metropolitan's service area is met by combining its imported supplies via the SWP and Colorado River Aqueduct, storage reserves, and local supply production. These spatially diversified water supplies increase reliability by buffering supply impacts that may occur with any one source. In general, when one or more supply sources is challenged, the other sources are dependent on more to satisfy the region's demand.</p> <p>However, portions of Metropolitan's service area cannot receive water from imported supply sources and do not have enough local supply to meet demand. Those portions of Metropolitan's service area where Colorado River supply cannot access referred to as "SWP Dependent Areas," are particularly concerned if low SWP Table A Allocations become more frequent.</p> <p>A crucial finding of this IRP recognizes that SWP Dependent Areas present a serious vulnerability to regional water reliability. Across scenarios, this vulnerability</p>
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<p><b>MET Integrated Resources Plan Update – continued</b></p>	<p>emerges as a common thread among foreseeable risks. Whenever shortages occur in any scenario, they involve a mismatch between accessible supplies and demands in the SWP Dependent Areas. This puts additional pressure on the Colorado River, local and storage supplies to satisfy a larger proportion of the regional demand. Consequently, resolving reliability issues for the SWP Dependent Areas will address the larger reliability issues for the entire region.</p> <p>As SWP core supplies become less reliable over time, as analyzed in the IRP scenarios, the risks to reliability posed by the SWP Dependent Areas are exacerbated. Because of these vulnerabilities, actions identified in the Implementation Phase should prioritize addressing SWP Dependent Areas. New core supplies and new/or existing storage must first address and reach SWP Dependent Areas. However, investing in conveyance and distribution to improve core, local, and storage supply access to the SWP Dependent Areas should also be evaluated to determine if overall system reliability is compromised. Additionally, potential shortages in the Colorado River, as seen in Scenario D, can limit the effectiveness of system improvements.</p> <p><b>Finding Area 2: <u>Storage</u></b></p> <ul style="list-style-type: none"> <li>• Storage is a vital component in maintaining reliability under current and future conditions.</li> <li>• Expanding existing or developing new storage programs may be needed to help balance new core supply development to meet potential future shortages.</li> <li>• Storage programs with even modest put/take capacities can help reduce the need for flexible supply.</li> </ul> <p>Storage is vital to reliability under current and plausible future conditions. Core supplies and storage capabilities work together in tandem; dependable core supplies are needed to fill and refill storage before and after dry years, and ample storage capacity is needed to make the most of opportunities for core supplies when they become available. Three major findings related to storage emerge from the IRP analysis:</p> <ol style="list-style-type: none"> <li>1. Expanding existing or developing new storage programs will be needed to help balance new core supply development and mitigate future shortages. This may include policies and programs enabling Metropolitan's use of local storage during drought conditions.</li> <li>2. A holistic approach is important when evaluating storage options. Evaluation of put and take capabilities should take into account not only the amounts and timing of water that can be moved but also spatial considerations, such as the source of water and access to the various parts of Metropolitan's distribution system. New storage development and or expanding distribution flexibility to move existing storage to the SWP Dependent Areas should be investigated in the implementation phase.</li> <li>3. Without further action to extend these agreements, Metropolitan will lose access to more than 1.6 MAF of capacity by 2037. Furthermore, several of Metropolitan's existing storage programs will be expiring over the next 15 years within the planning horizon of the 2020 IRP. The IRP reliability analyses assume that these programs will remain in place. Still, their possible expiration remains a threat to regional reliability until such programs are extended or replaced with an equivalent or expanded capabilities. This is an example of the active management that is constantly required and highlights the ongoing need for collaboration with</li> </ol>
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<b>MET Integrated Resources Plan Update – continued</b>	<p>Metropolitan's banking partners. These known administrative risks are apart from other, more uncertain operational risks, such as contamination, new regulatory restrictions, and seismic disturbances.</p> <p><b>Finding Area 3: <u>Demand Management</u></b></p> <ul style="list-style-type: none"> <li>• Metropolitan's future reliability is susceptible to increases and decreases in demands.</li> <li>• It is important to pay attention to demand rebound, demand growth, and demand reductions and intervene as necessary.</li> <li>• Managing demands through the efficient use of water reduces dependency on supplies, helps preserve storage, and helps avoid the need for extraordinary conservation measures.</li> </ul> <p>Conservation has long underpinned Metropolitan's long-term water supply reliability strategy. Metropolitan administers regional conservation programs and co-funds member agency conservation programs designed to achieve greater water use efficiency and bolster water-conserving ethics. Conservation comes from two areas of change: structural conservation, which involves increasing water use efficiency, and behavioral conservation, which involves modifying consumer water-using behavior through messaging, education, pricing, and mandates. Of these two forms of conservation, structural conservation is more permanent, akin to a core supply. Water-efficient device retrofits, landscape conversions, plumbing codes, and leak prevention all contribute to ongoing structural water savings. Conservation device retrofits help to recover storage in future years by lowering demands in all years, not only drought years. In contrast, behavioral conservation is less permanent and can wax and wane due to various influences that may be outside of Metropolitan's direct ability of control. The IRP recognizes water use behavior, represented by per capita water use, as a major uncertainty for regional demands over time.</p> <p>The IRP scenarios confirm that Metropolitan's future reliability is highly sensitive to changes in water demands. Under Scenario A, with low demands and stable imports, no net shortages are anticipated through the year 2045. Demands also remain low in Scenario C, with low frequencies of net shortages occurring throughout the planning horizon. Meanwhile, Scenarios B and D consider what might happen if per capita water demands rebound to historical usage levels. While Scenario B shows similar frequencies of net shortages as Scenario C, the magnitudes of such shortages are greater. Under Scenario D, where there is both increase in demands on Metropolitan and a significant loss of imported core supply, there is a high risk of shortage and an inability to ever refill storage to capacity by the year 2045.</p> <p>Increased demands, whether from growth or per capita use, represent a major risk to reliability. Demands can increase from rebounding per capita water use, but even with efficient use, total demands can still increase as the population and economy grow over time. Baseline conservation programs help with every scenario. Monitoring demands and intervening as appropriate will be critical. Managing demands through efficient use of water reduces dependency on costly supplies, helps preserve storage, and defers the need for disruptive extraordinary conservation measures such as emergency declarations and water supply allocations. Conservation programs should be scalable and adaptive to changing conditions and consider the financial stability of volumetric-based revenues in light of changing demands.</p>
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<b>MET Integrated Resources Plan Update – continued</b>	<p><b>Finding Area 4: <u>Metropolitan Imported Supplies</u></b></p> <ul style="list-style-type: none"> <li>• Existing imported supplies are at risk from various drivers of uncertainty.</li> <li>• Maintaining existing imported supply reliability reduces the need for new core supply development and leverages years of investments.</li> <li>• SWP supplies, which are highly susceptible to varying hydrologic conditions, provide water for storage in normal and wet years for use in dry years.</li> </ul> <p>Imported supplies remain essential as core supplies to the region. They are a valuable legacy of decades of planning and investment. As source waters, they provide good water quality and supply benefits that, once lost, are very difficult to replace. Metropolitan's core supplies from the Colorado River Aqueduct are generally less susceptible to volatility from year-to-year hydrologic conditions than Metropolitan's core supplies from the SWP. However, all of the region's imported supplies face significant risk from various drivers of uncertainty, including climate change. While there is little scope for obtaining new additional imported core supplies, taking action to preserve the region's legacy imported supplies is crucial for several reasons.</p> <p>Imported supplies, primarily the SWP supplies, uniquely reinforce reliability by leveraging Metropolitan's storage capacity in wet periods for use in dry years and diversifying supply sources across multiple watersheds. Because water resources available to the Metropolitan service area come from three geographically distinct regions—Northern California, the Colorado River, and local resources—a relatively dry year affecting one of these three regions can be offset by relatively abundant supplies from the other two regions. For example, a year of ample precipitation within Metropolitan's service area tends to depress demand and enhances local water resources, further reducing demands on imported supplies. A wet year in the Sacramento-San Joaquin watersheds increases the SWP Table A allocation, facilitating reduced diversions from the Colorado River in favor of storing supplies in Lake Mead or the Desert Water Agency/Coachella Valley Water District Advanced Delivery Account.</p> <p>Conversely, a shortfall on the SWP may require system operational modifications to maximize Colorado River diversions and the delivery of Colorado River supplies to the SWP Dependent Areas. Each increment of existing imported supply reliability that is prevented from being lost offsets a need to develop new alternative core and flexible supplies that may be more costly may take considerable lead time to bring online, and may not be easily integrated into the region's water distribution system. SWP Dependent Areas are so-called because they currently rely on SWP water to meet at least part of their demands; any practical alternative supplies to meet SWP Dependent Area demands would also have to be potable and accessible to those relatively isolated portions of Metropolitan's distribution system.</p> <p><b>Finding Area 5: <u>Local Supply</u></b></p> <ul style="list-style-type: none"> <li>• Maintaining existing and developing new local supplies is critical in helping manage demands on Metropolitan, which increases sustainability and reduces the dependency on imported supplies.</li> <li>• Impacts on reliability occur if local supply assumptions are not achieved; therefore, it is important to track the progress of local supply development as one of the signposts in the Adaptive Management Plan.</li> </ul>
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<p><b>MET Integrated Resources Plan Update – continued</b></p>	<ul style="list-style-type: none"> <li>• Additional actions may be needed should existing and future local supply levels deviate from IRP assumptions.</li> </ul> <p>Demand for Metropolitan's imported supplies is a function of total regional demands and the local supplies available within the region to meet them. Local supplies are the front line in securing regional reliability. Local supplies regularly meet roughly half of the region's total urban demands; it can be more than 60 percent in some years. Because imported core supplies cannot be expected to increase even in the face of population and economic growth, the region's reliance on existing and new local supplies relative to imported supplies will only grow in the future. The IRP scenarios reveal that safeguarding the region's vast inventory of existing local supplies is as crucial as preserving existing imported supplies.</p> <p>Continued performance of local supplies cannot be taken for granted, for as with imported supplies, many factors can impede local supply development and production, including funding, contamination, changing regulatory requirements, and climate change. For example, there has been a decline in groundwater production in the past 20 years, affected by the limited availability of imported supplies for replenishment, variability in natural replenishment from rainfall, and emerging contaminants. At the same time, the region has made substantial gains in recycled water development, but continued success will be more difficult moving forward. This is due to the reduction of available wastewater effluent, which stems from conservation, constraints in distribution systems, and rising costs from increasing salinity.</p> <p>The region's reliability is highly sensitive to local supplies, as it comprises such a large portion of the region's total supply. As a part of the Needs Assessment, Metropolitan engaged with member agencies and basin managers to identify the potential timing and implementation of planned projects and operation of groundwater basins appropriate for each IRP scenario. Impacts on reliability will occur if local supply assumptions are not achieved; therefore, it will be important to track the progress of local supply development as part of the signposts in the Implementation Phase. Metropolitan currently fosters local supplies through various programs and funding support, including its Local Resources Program. Modified actions by Metropolitan may be warranted should existing and future local supply levels deviate up or down from IRP assumptions. As Metropolitan increases, its commitments to enhancing local supplies, Metropolitan's business model may also need to be reconsidered to ensure financial sustainability.</p>
<p><b>Colorado River Issues</b></p>	<p><b><u>500+ Plan Memorandum of Understanding</u></b></p> <p>Following the Metropolitan Board's approval of participation in the 500+ Plan at the December 14 Board meeting, representatives of the United States, Arizona, Central Arizona Water Conservation District, Nevada, Southern Nevada Water Authority, and Metropolitan signed the 500+ Plan memorandum of understanding (MOU) at a signing ceremony on December 15. The 500+ Plan MOU commits the parties to the goal of adding or retaining at least 500,000 acre-feet of water in Lake Mead in 2022 and 2023. In the MOU, the non-federal parties commit to collectively contributing \$100 million, with a federal commitment to work to match the nonfederal funding in the amount of \$100 million. The parties to the 500+ Plan MOU anticipate developing funding and implementation agreements starting in early 2022.</p>

<b>Colorado River Issues – continued</b>	<p>On December 20, the Bureau of Reclamation released the spending plan for the \$210 million provided in the Extending Government Funding and Delivery Emergency Assistance Act (P.L. 117-43), including \$40 million for implementing the 500+ Plan. Of the \$40 million allocated, \$26 million will go to the Lower Colorado River Operations Program to continue implementing Drought Contingency Plan activities, and \$14 million to shore up water firming rights for Tribal communities during times of shortage in the Central Arizona water supply. With the funding for the plan secured, Metropolitan staff has been in discussions with agricultural districts in California to explore additional conservation actions that could help meet the goals of the 500+ Plan.</p> <p><b><u>Quechan Seasonal Fallowing Agreement</u></b></p> <p>Following Metropolitan's Board authorization in November, on December 15, representatives from Metropolitan and the Fort Yuma Quechan Indian Tribe (Quechan Tribe) signed an agreement in which Metropolitan will pay the Quechan Tribe to seasonally fallow a portion of their currently irrigated lands from April through July of 2022 and 2023. The conserved water will be available to Metropolitan and reduce its need to take Intentionally Create Surplus out of Lake Mead to fill the Colorado River Aqueduct in dry years. During the two-year pilot fallowing program implementation, Metropolitan and the Quechan tribe will evaluate the program and consider a longer-term program beginning in 2024. The seasonal fallowing program builds on an existing forbearance program between the agencies in which Metropolitan incentivizes the Quechan Tribe not to increase its water use that it has a legal right to use.</p> <p><b><u>Colorado River Water Users Association Annual Conference</u></b></p> <p>After a one-year hiatus, the Colorado River Water Users Association held its annual conference in Las Vegas during December 14-16. Most of the speakers at the conference highlighted ongoing dry conditions facing the Colorado River Basin, recognizing the need for increased conservation to protect Lake Powell and Lake Mead. It was noted that there is a chance that Lake Powell could fall below its ability to generate power in 2022. The 500+ plan to protect Lake Mead was signed at the conference, but it was recognized that this is only the first step in developing a longer-term sustainability plan for the Colorado River. Metropolitan General Manager Adel Hagekhalil spoke to the conference attendees acknowledging that all agencies need to work together to protect the Colorado River and that no one can be left out of the solution.</p>
<b>Delta Conveyance Activities and State Water Project Issues</b>	<p><b><u>Delta Conveyance</u></b></p> <p>The California Department of Water Resources (DWR) is continuing to develop a public Draft Environmental Impact Report (EIR) under the California Environmental Quality Act for the Delta Conveyance Project (DCP).</p> <p>In late November, DWR amended its U.S. Department of the Army permit application pursuant to Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act (Section 404 permit application), which was submitted to the U.S. Army Corps of Engineers (USACE) to make the application consistent with the Bethany Alternative. The Bethany Alternative will be the proposed project in the Draft EIR that is expected to be released for public review in mid-2022. The Bethany</p>

<b>Delta Conveyance Activities and State Water Project Issues – continued</b>	<p>Alternative is intended to align with the Section 404 directive to propose a project that would avoid and minimize impacts on the waters of the United States to the extent practicable.</p> <p><b><u>Joint Powers Authority</u></b></p> <p>During the Delta Conveyance Design and Construction Authority (DCA) Special Board of Director's Meeting on December 16, the DCA adopted a resolution to continue remote teleconference meetings pursuant to the Brown Act Section 54953(e) for meetings of the DCA.</p> <p>The final regularly scheduled DCA Stakeholder Engagement Committee occurred on December 8, during which it received updates on the review process, presentations on the updated tunnel intake conceptual design, and ongoing DCA outreach efforts.</p> <p>During the Delta Conveyance Finance Authority (DCFA) regularly scheduled December 16 meeting, the DCFA adopted a resolution to continue remote teleconference meetings pursuant to the Brown Act Section 54953(e) for meetings of the DCFA.</p> <p><b><u>Sites Reservoir</u></b></p> <p>On November 12, the Sites Project Authority released its Revised Draft EIR/Supplemental Draft Environmental Impact Statement for public review and comment. Metropolitan staff is reviewing the draft. The document's public review and comment period was extended to January 28, 2022.</p> <p>In their joint December 17 meeting, the Sites Project Authority Board (Authority Board) and the Sites Reservoir Committee (Reservoir Committee) authorized the Executive Director to submit the California Endangered Species Act Incidental Take Permit application to the California Department of Fish and Wildlife (CDFW) for the proposed Sites Reservoir Project (Project).</p> <p>On December 15, the California Water Commission determined that the Project is feasible, which allows the Project to remain eligible for funding under the \$2.7 billion Water Storage Investment Program created by Proposition 1, approved by the California voters in November 2014.</p> <p><b><u>Delta Islands</u></b></p> <p>In October 2021, a kick-off meeting with Delta experts was held as part of the California Department of Fish and Wildlife Planning Grant to conduct an island-wide planning effort that would integrate a mosaic of land use opportunities based on the natural characteristics of the island and identified priorities among multiple benefits, including subsidence reversal, sustainable agriculture, carbon sequestration and reduction of greenhouse gas emissions, habitat restoration, improvement of water quality, and economic benefit. This effort, led by Metropolitan staff, is funded by a State Proposition 1 Delta Water Quality and Ecosystem Restoration Grant of \$1.088 million.</p> <p><b><u>Regulatory Activities</u></b></p> <p>In December, the Delta Stewardship Council (Council) began the technical input process for the Climate Adaptation Strategy phase of its Delta Adapts initiative. The Council is seeking expert input to the Adaptation Strategy through four topical focus groups: Water Supply Reliability, Ecosystems, Flood Risk Reduction, and</p>
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<b>Delta Conveyance Activities and State Water Project Issues – continued</b>	<p>Agriculture. Metropolitan staff will participate in all four focus groups over the next year.</p> <p>At its December 16 meeting, the Council elected Virginia Madueño as Vice-Chair, effective January 1, 2022. The role was most recently held by Randy Fiorini, whose appointment to the Council ended in 2020. Some additional changes in the Council Board membership could occur in the coming months, and Metropolitan staff will report any updates and status of activities in the months ahead.</p> <p>Metropolitan staff continued to participate in the collaborative groups called for in the 2019 Biological Opinions for the State Water Project (SWP) and Central Valley Project and in the 2020 Incidental Take Permit (ITP) for Long-Term Operation of the SWP to address science needs and inform management and operation of the water projects. In November and December, Metropolitan collaborated with state and federal agencies to develop a Juvenile Production Estimate (JPE) for Spring-run Chinook salmon. Current efforts are focused on developing objectives to be specific to the requirements stated in the ITP.</p> <p>Metropolitan also continued working with state and federal agencies to develop a monitoring program for steelhead populations within the San Joaquin Basin and/or the San Joaquin River downstream of the confluence with the Stanislaus River. The workgroup continued the development of conceptual models that describe the life history and required monitoring for the steelhead. Metropolitan staff also worked with DWR and CDFW scientists to develop a new entrainment risk model for larval longfin smelt. The entrainment risk model will be designed to help inform risk assessment evaluations and the development of a larval entrainment monitoring program.</p> <p>Metropolitan continued collaboration with the state and federal agencies to develop options related to a non-physical barrier at Georgiana Slough. The purpose of the barrier would be to deter emigrating juvenile salmon moving to the ocean from entering Georgiana Slough and thereafter the interior central and south Delta, where survival is lower relative to remaining in the mainstem Sacramento River.</p> <p><b><u>Science Activities</u></b></p> <p>Metropolitan staff participated in a technical workshop addressing preliminary results of a salmon research project conducted by Anchor QEA consultants and funded by the Delta Science Program and Metropolitan. The project's objective is to evaluate juvenile salmon behavioral responses to hydrodynamic conditions in the Delta. The workshop allowed stakeholders to review and provide constructive feedback on analyses and interpretations of how hydrodynamics may influence salmon behavior and routing in the South Delta. Anchor QEA will address comments and refine analyses and interpretation of results based on workshop comments and finalize a report by June 2022.</p> <p>Metropolitan staff attended the North American Society of Environmental Toxicology and Chemistry 2021 virtual conference in November. The conference included presentations on several studies supported by Metropolitan, including studies to evaluate floodplain toxicity to Chinook salmon and to develop a Relative Risk Assessment of contaminants in the Bay-Delta estuary on Delta smelt, Chinook salmon, and macroinvertebrates.</p> <p>Metropolitan staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative</p>
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<p><b>Delta Conveyance Activities and State Water Project Issues – continued</b></p>	<p>Adaptive Management Team (CAMT). In December, CAMT discussed a draft report on the CAMT Monitoring Assessment workshop held in October to compile and communicate information from past and ongoing monitoring reviews. CAMT also discussed potential approaches to Task 2 of the Monitoring Assessment, which will assess CSAMP member policy objectives for monitoring.</p> <p>Metropolitan staff collaborated with the non-government environmental organizations on the CSAMP Salmon Recovery Initiative. The group completed the second set of workshops to develop metrics and targets to measure progress toward salmon recovery. The workshops generated productive discussions among environmental organizations, water agencies, and state and federal resource agencies to consider various ideas and approaches to defining salmon recovery in a broad sense, and all participants expressed their gratitude and enjoyment in participating in the process. The outreach efforts for Phase 2 are currently being planned and will start in January 2022. The objective of Phase 2 of the Salmon Recovery Initiative is to reach out to other Central Valley stakeholders to share and communicate what occurred in Phase 1, to define salmon recovery, assemble information about existing salmon conditions, ongoing and planned salmon-related actions, and related socioecological considerations.</p> <p>Two scientific papers recently published in the peer-reviewed journal San Francisco Estuary and Watershed Science reported on results from a Metropolitan-funded study evaluating historical salinity conditions in the BayDelta and the performance of several flow-salinity models for the Bay Delta. The first paper (A Survey of X2 Isohaline Empirical Models for the San Francisco Estuary (escholarship.org)) reported on a survey of flow salinity models and found that for analyses spanning a long hydrologic record, an ensemble approach (multiple models) may be preferable to using a single model. The second paper (Apparent Seasonal Bias in Delta Outflow Estimates as Revealed in the Historical Salinity Record of the San Francisco Estuary: Implications for Delta Net Channel Depletion Estimates (escholarship.org)) reported on analyses using the historical salinity record and an ensemble of flow-salinity models to evaluate sources of seasonal bias in Delta outflow estimates.</p> <p>Metropolitan staff also co-authored two recently published papers collaborating with researchers from the Jet Propulsion Laboratory, U.S. Geological Survey, UC Merced, and Oregon State University, reporting on efforts to develop satellite imagery for use in the Bay Delta. The two papers published in IEEE Transactions on Geoscience and Remote Sensing (Using ECOSTRESS to Observe and Model Diurnal Variability in Water Temperature Conditions in the San Francisco Estuary   IEEE Journals &amp; Magazine   IEEE Xplore) and Environmental Science and Technology (Decline in Thermal Habitat Conditions for the Endangered Delta Smelt as Seen from Landsat Satellites (1985–2019) (acs.org)) reported on studies using satellite imagery to examine habitat suitability conditions during the period 1985-2019 for Delta smelt and two non-native fish species – Largemouth bass and Mississippi silverside. The researchers found that warming waters in the Bay-Delta Estuary are reducing the available suitable habitat for Delta smelt.</p> <p><b><u>Habitat Restoration</u></b></p> <p>On December 3, Metropolitan staff participated in a tour organized by the Yolo Basin Foundation, Ducks Unlimited, Yolo County, and the CDFW to view recently completed infrastructure improvements in the Yolo Bypass Wildlife Area. The multi-purpose project increases seasonal wetland acreage, improves drainage and water</p>
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<b>Delta Conveyance Activities and State Water Project Issues – continued</b>	<p>supply for rice fields, and manages wetlands while improving access for farmers, wetland managers, and the public. Metropolitan and the State Water Contractors are project partners and helped fund the modeling and design studies to support the project's development.</p>
<h2 style="text-align: center;">EMERGENCY PREPAREDNESS</h2>	
<b>COVID-19 (Corona Virus) Coordination</b>	<ul style="list-style-type: none"> <li>As of the date of this Report, 2/8, COVID-19 cases and the rate of community transmission have steadily decreased statewide since early January, and hospitalizations are either plateauing or declining in most regions of the state. Since California's peak during the Omicron surge, the state has experienced a 65% decrease in case rates. As COVID-19 conditions continue to improve across California and the Omicron surge subsides, the state's temporary measures will expire in the coming weeks.</li> <li>The same decline is occurring here in Orange County. Providing accurate statistics now with this event is challenging with the at-home rapid test kits, as a person is not required to report their results. However, using the available data from reported cases thru testing sites or health care providers, the decline within the County is evident. As of 1/4, there was a single day reporting of 11 227 positive cases compared to a month later; on 2/4, there were 229 positive cases. Hospitalization case of those with COVID symptoms has also seen a decreasing trend. On 1/18, Orange County had 1,232, and on 2/6 decreased by 50% to 620. The unvaccinated population still accounts for nearly 88% of hospitalizations.</li> <li>On 2/7, <a href="#">the indoor masking requirement will expire after February 15, reverting to the previous guidance</a> requiring masking for unvaccinated individuals in all indoor public settings and requiring masking for all individuals regardless of vaccination status in higher education risk settings like public transit and congregate living.</li> <li>On 2/1, Gov. Gavin Newsom eluded his administration by releasing an “endemic plan” for the state’s COVID-19 response within “the next couple of weeks.”</li> <li>For those not familiar with the endemic term: A disease is considered endemic when infection totals are relatively stable and follow established patterns, as opposed to major outbreaks continuing and prompting emergency response as has happened throughout the pandemic phase. Seasonal influenza is an example of an endemic disease.</li> <li>WEROC shared with agencies the following on what this likely means for water and wastewater agencies:</li> <li>Governor Executive Orders will have a termination date, and the State Gubernatorial Proclamation of Emergency will most likely be terminated</li> <li>For those agencies implementing the AB 361 Open meetings: state and local agencies: teleconferences will be ending.</li> </ul>

<b>COVID-19 (Corona Virus) Coordination – continued</b>	<ul style="list-style-type: none"> <li>• Agencies should be developing strategies for the return of in-person and/or hybrid meetings based on your agency procedures</li> <li>• The trigger for the County Proclamation for cover to end is tied to when the State Gubernatorial Proclamation ends.</li> <li>• It is unknown with the Federal Declaration will end, but we will be tracking as the termination of that Declaration will start the time clock for those who have FEMA Public Assistance (PA) claims pending.</li> <li>• The COVID ETS should adjust to the new endemic requirements that will be presented by the State and CDPH. We will track to ensure this occurs and you all are aware of changes.</li> <li>• WEROC continues to hold bi-weekly conference calls on Tuesdays with member agencies, as requested by the agencies, to continue to support the sharing of information.</li> <li>• WEROC continues to support agencies with COVID-19 related questions and guidance needs. For example, changes to the quarantine and isolation guidance changes between fully vaccinated, boosted, and unvaccinated. An agency inquired about the regulations regarding the disposal of rapid tests kits. Vicki reached out to the County and Deputy County Health Officer to ask since Orange County has its regulatory authorities within California. Dr. CK, Deputy Health Officer, appreciated the inquiry and provided the answer, which was shared with the agencies. WEROC has also assisted agencies with reporting requirements under the CalOSHA law for work illness and injury compliance. WEROC will continue to monitor additional changing regulations and provide guidance as required.</li> <li>• In January, a second-round order of Rapid Antigen Testing Kits was placed at the request of member agencies. 26 of the 36 WEROC agencies participated in the logistics request. Daniel led this process by coordinating with the agencies, and both Daniel and Janine coordinated with the agencies the distribution of the kits once received.</li> </ul>
<b>January INCIDENTS /Events (Non- COVID)</b>	<p><b>**The following events in which WEROC provided information and/or coordination</b></p> <ul style="list-style-type: none"> <li>• Tsunami Advisory 1/15/22</li> <li>• Agency Mutual Assistance Request for Supply Chain Issue (equipment)</li> <li>• Vicki can provide an additional oral update to WEROC activities specific to the event as required/requested.</li> </ul>
<b>Coordination /Participation With Member Agencies And Outside Agencies Meetings Outside Of Programs Areas</b>	<ul style="list-style-type: none"> <li>• Coordination/Participation with Member Agencies and Outside Agencies Meetings outside of Programs Areas</li> <li>• On 1/4 and 2/1, Vicki attended the ISDOC Executive Meeting and provided an update on the Operational Area activities.</li> <li>• On 1/4, Vicki attended the State Emergency Management Mutual Aid (EMMA) Quarterly Meeting. This meeting covered final changes made to the plan before going to the State Standardized Emergency Management System (SEMS) Advisory Board for approval.</li> <li>• On 1/6, the WEROC team attended the Orange County Emergency Management Organization (OCOMO) meeting. The meeting consisted of working group reports highlighting their goals and objectives for 2022. Two</li> </ul>

<b>Coordination /Participation With Member Agencies And Outside Agencies Meetings Outside Of Programs Areas – continued</b>	<p>presentations were made, one of the request to create a Large Animal Evacuation and Sheltering Sub Committee under the OCEMO structure. The second was an overview of the Orange County Sheriff's Department Emergency Management Division. At the 2/3 meeting, regular committee reports were presented, and Vicki made a presentation to the group titled Emergency Management 101, essential items you should know.</p> <ul style="list-style-type: none"> <li>• On 1/6 and 2/3, Vicki attended the OCEMO Exercise Design Meeting. This group is focused on the Public Information Seminar being offered in March. The planning team is working on the final portions of the speakers and logistics for this training session for the Operational Area partners.</li> <li>• On 1/7 and 2/4, Vicki attended the WACO meeting and provided an update on the Operational Area activities.</li> <li>• On 1/11 and 1/25, Vicki attended the California Emergency Services Association (CESA) working group establishing the California Emergency Management Professional Certification Program. This project is important to establish the baseline standards of emergency management professional qualifications in the field of emergency management.</li> <li>• On 1/18, Vicki attended the CalWarn Board Meeting. The meeting focused on current activities throughout the state and looked at the group's objectives for 2022.</li> <li>• On 1/18, Vicki and Daniel met with CSDA to discuss what WEROC has been doing with its member agencies regarding Cyber Security; this meeting was prompted following the ISDOC meeting and CSDA hearing the OA report out. WEROC provided the different areas of the WEROC Cyber Program established in 2021, including the Cyber Security Working Group, to share best practices, ongoing communications, and coordination with the Orange County Intelligence Assessment Center (OCIAAC) and the future of the Regional Cyber Plan.</li> <li>• On 1/19, Vicki attended the FEMA Alert &amp; Warning Webinar covering the changes to the Integrated Public Alert and Warning System.</li> <li>• On 1/20, Vicki attended the MWDOC Managers Meeting and gave a briefing on WEROC activities, including coordination of information with OCFA.</li> <li>• On 1/26, Vicki attended the Orange County Disabilities and Access and Functional Needs (DAFN) Working Group. The group has been dormant during COVID, so this meeting focused on re-acclimating the group and discussing objectives moving forward. This group will be significant to WEROC and its member agencies as we build out distribution plans and communications efforts addressing the whole community.</li> <li>• Vicki is the Region I – Public Utility representative/Special District. On 1/27, Vicki attended the Mutual Aid Regional Advisory Committee (MARAC). Items discussed included earthquake/tsunami presentation, Safety Assessment Program, High-Frequency Radio Program, and a presentation on the California Emergency Service Association.</li> <li>• On 1/27, Vicki attended the Orange County Tsunami Working Group Meeting. This is a coordination meeting that meets annually to update procedures. There was a brief discussion regarding the 1/15 Tsunami Advisory, which will be followed up with an after-action meeting. This will then result in changes to WEROC Tsunami procedures in relation to our member agencies.</li> </ul>
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<b>Coordination /Participation With Member Agencies And Outside Agencies Meetings Outside Of Programs Areas – continued</b>	<ul style="list-style-type: none"> <li>• On 1/28, Vicki attended the CESA Legislative Committee. This committee tracks legislation and requirements being passed specifically for emergency management activities. The group is tracking all bills introduced with the nexus before the February 18th deadline for new bills to be introduced. Important items related to emergency management activities with a water nexus will be shared with the member agencies.</li> <li>• On 1/31, Vicki attended the Operational Area Executive Board Training and Overview presented by the Orange County Sheriff's Department Emergency Management Division.</li> <li>• On 1/31, Vicki and Janine had a zoom meeting with IRWD's new Safety and Security Director, Steve Choi, to discuss WEROC and welcome him to Orange County.</li> <li>• On 2/2, Vicki has a coordination meeting with the County Emergency Manager regarding the re-establishment of the County Drought Task Force. More information on this topic will be provided in the March WEROC Report.</li> </ul>
<b>Planning And Program Efforts</b>	<p>As part of the annual WEROC Budget Process, WEROC presents to its funding agencies a letter containing program accomplishments, goals, and a budget request for FY 22/23. Below are some of the accomplishments achieved over the past year presented at the MET Managers/WEROC Funding Agency Meeting on 1/26.</p> <p>In 2021, the WEROC program continued to provide unexpected support and efforts to its agencies due to the ongoing pandemic while moving projects forward. Below are some of our accomplishments for 2021/2022 outside of COVID Response.</p> <p><b>America's Water Infrastructure Act (AWIA)</b></p> <ul style="list-style-type: none"> <li>• As part of the choice program, WEROC and its consultant, Herndon Solutions Group (HSG), continued to work with WEROC agencies to comply with America's Water Infrastructure Act (AWIA).</li> <li>• The modified AWIA Scope of Work reflected changes to the project to accommodate COVID19 and the virtual meeting changes. Still, the end deliverables remained the same for agencies to meet the AWIA standard. There were 18 agencies (Tier I &amp; II) working concurrently on their AWIA requirements. There were 52 virtual meetings scheduled and conducted just in June and July.</li> <li>• WEROC submitted and received approval for the Risk and Resiliency Assessment Workshops from the State Water Board as contact hours and continuing education credits.</li> <li>• The 24 agencies participating met compliance on schedule with the EPA.</li> <li>• WEROC provided the Orange County Certified Unified Program Agency (CUPA) with a certification letter for the AWIA Process.</li> <li>• Provided agency training on maintaining the RRA and their ERP.</li> </ul>

<b>Training and Exercises</b>	<ul style="list-style-type: none"> <li>• In 2021, WEROC implemented the Five Year Exercise and Training Program Plan integrating new requirements, including AWIA, ongoing ICS training offerings (in-house), water-specific training, and the development of a long-term repeating exercise program incorporating water-specific areas.</li> <li>• Delivery of certified virtual and in-person ICS and G-Series Emergency Operations Center Section Specific training. The training was conducted in-house by WEROC, an approved State and Federal instructor. Courses followed the State and Federal standards while incorporating water and wastewater-specific applications.</li> <li>• Six of these courses were conducted, saving over \$120,000, which would have been the cost to hire a consultant/contractor to conduct these training.</li> <li>• Other training provided to agencies included Cyber Security Training, WEROC EOPS, Annexes coordination training, Fire Awareness, and Safety Training, 800 MHz Radio Training, and WebEOC training.</li> <li>• WEROC conducted one Tabletop Exercise this year with the WEROC EOC staff.</li> <li>• WEROC supported member agencies with their exercises conducted this past year.</li> <li>• The first virtual WEROC Symposium conducted in September had over 100 attendees. AWWA was one of the presenters.</li> </ul>
<b>Other Planning Efforts</b>	<ul style="list-style-type: none"> <li>• In partnership with the OCIAC, the Water and Wastewater Cyber Security Working Group was created and began meeting in 2021. WEROC continues to send cyber security information out to the agency points of contact, and WEROC provides cybersecurity training to agency IT professionals.</li> <li>• The WEROC Emergency Operations/Response Plan, including the updates of internal forms and documents, was completed, and training on these documents and supporting documents was conducted with member agencies.</li> <li>• WEROC maintains the member agency phone directory and AlertOC contacts list by ensuring the proper contact information was entered into the system for all 37 agencies. This effort will allow WEROC to distribute timely information to our member agencies during emergencies.</li> <li>• Safety Center, the coordination and documentation library WEROC uses in conjunction with member agencies, has received updates on almost all documents. This includes a Safety Center training for member agencies.</li> <li>• Other Procedural Documents Updated:             <ul style="list-style-type: none"> <li>○ AlertOC Water Agency Procedures and Notification Templates</li> <li>○ Disaster Finance Documents</li> <li>○ WEROC Radio System SOP and Radio Protocols</li> <li>○ Requesting Activation of the WEROC EOC</li> <li>○ Requesting Mutual Aid</li> <li>○ Suspicious Activity Reporting Forms</li> <li>○ Water Liaison to an ICP</li> </ul> </li> </ul>

<p><b>Other Planning Efforts – continued</b></p>	<p><b>Advocacy</b></p> <p>WEROC continue to advocate and participate in meetings at all levels of government and with private partners, including but limited to County Government (County Executive Office, Health Care Agency, OC Public Works, Emergency Management Division); Operational Area Partners (Cities, Private Sector Partners); Orange County Intelligence Assessment Center (OCIAAC); South Coast AQMD; California Office of Emergency Services (CalOES); Department of Water Resources (DWR); CalOSHA; Federal Emergency Management Agency (FEMA); Federal Department of Homeland Security (DHS) and Environmental Protection Agency (EPA) and the White House Intergovernmental Affairs Office.</p> <p><b>Activation/Incident Activities</b></p> <p>In addition to COVID-19, WEROC staff activated to support member agencies with communication, coordination, and resource needs for the following 24 events in 2021/2022:</p> <ul style="list-style-type: none"> <li>• Chlorine and Sodium Hypochlorite Shortage (1 Event)</li> <li>• Cyber Incident/Vulnerability (7 Events)</li> <li>• December Rain Events/Bond Fire Debris Flow (5 Events)</li> <li>• Fires (1 Event)</li> <li>• Heat Event/ CAISO Flex Notification (1 Event)</li> <li>• Oil Spill Pipeline P00547 Incident</li> <li>• Public Safety Power Shutoff (3 Events)</li> <li>• Suspicious Activity (3 Events)</li> <li>• Water Main Break and Logistics Request (1 Event)</li> </ul> <p><b>WEROC Emergency Operations Center Project/Funding –</b></p> <p>WEROC Emergency Operations Center Funding continues to be pursued by WEROC Staff. This includes the submission of the project for Federal grants and appropriation opportunities. WEROC and MWDOC staff have met with the County Leadership and will continue to meet with the County Board of Supervisors others regarding this project. Phase 1 design of the EOC project did begin at the end of December. WEROC will present this information to agencies as phase 1 concludes.</p> <p>In addition to County leadership, Vicki has also done the following:</p> <ul style="list-style-type: none"> <li>• EOC Project submitted on 1/21 to CalOES under the Hazard Mitigation Funding Notice of Interest application.</li> <li>• Spoke to DWR about funding options</li> <li>• Researched the Prepare California Grant just launched on 1/27, making 100 million available. Unfortunately, construction is not an eligible cost.</li> <li>• Other Coordination topics discussed and planning efforts outside of COVID conducted on the Bi-Weekly coordination calls during January included: <ul style="list-style-type: none"> <li>○ OCIAAC Suspicious Activity</li> <li>○ Weather/Wind Advisories/Warning</li> <li>○ Training Calendar for 2022</li> <li>○ Supply Chain Impacts</li> </ul> </li> </ul>
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<b>WATER USE EFFICIENCY</b>	
<b>Orange County Data Acquisition Partnership (OCDAP)</b>	<p>On January 10, Rachel Waite attended the OCDAP Working Group Meeting. The working group collaborates on and organizes a regional effort to cost-share the acquisition of high-resolution aerial imagery and related products. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• Group discussion of Cycle 2 Agreements</li> <li>• Status of Cycle 2 Request for Proposals</li> <li>• LIDAR <ul style="list-style-type: none"> <li>○ SCAG Status Report on 2023 LIDAR Capture</li> <li>○ USGS FY 21/22 Broad Agency Announcement for LIDAR Funding</li> </ul> </li> <li>• Cycle 2 Budget and Participating Members</li> <li>• Data Sharing/Efforts/Projects</li> <li>• Other Matters for Next Meeting</li> </ul> <p>The next meeting is scheduled for February 15, 2022.</p>
<b>Dedicated Irrigation Meter (DIM) Area Measurements Project – Retailer Kick-Off Meetings</b>	<p>On January 13, Rachel W. met with Moulton Niguel Water District staff and project consultant NV5 for a DIM Area Measurements Project kick-off meeting. On January 31, Rachel W. met with staff from the City of Anaheim and NV5 for a kick-off meeting.</p> <p>The DIM Area Measurement Project provides Orange County retail water agencies access to MWDOC's consultant, NV5, to obtain DIM landscape area measurements and classifications required by SB606 and AB1668 (Conservation Framework). Rachel, NV5, and retailer staff discussed the Project, workflow, and next steps.</p> <p>Kick-off meetings will be scheduled with each participating retailer, and follow-up meetings will be scheduled as needed.</p>

<b>Project Agreement (PA) 22 Advisory Workgroup Meeting</b>	<p>On January 18, Rachel W. attended the PA 22 Advisory Workgroup Meeting hosted by the Santa Ana Watershed Project Authority and joined by SAWPA member agencies and MWDOC. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• Prop 1 Enhanced Decision Support Tool <ul style="list-style-type: none"> <li>○ Overview of Initial Results from US Bureau of Reclamation Imagery Analysis</li> <li>○ Feedback from Advisory Workgroup</li> <li>○ Next Steps</li> </ul> </li> <li>• 2021 LIDAR Imagery Effort led by SCAG</li> <li>• SARCCUP Water Budget Assistance Update</li> <li>• Proposition 1 Round 2 OWOW Call for Projects</li> </ul> <p>The next meeting is scheduled for February 21, 2022.</p>
<b>One Water One Watershed (OWOW) Proposition 1 Round 2 Call for Projects Workshop</b>	<p>On January 19, Steve and Rachel W. attended the OWOW Proposition 1 Round 2 Call for Projects workshop hosted by SAWPA. Topics discussed included:</p> <ul style="list-style-type: none"> <li>• Process Overview</li> <li>• Estimated Timeline</li> <li>• Project Submittal</li> <li>• Project Score Weighting</li> <li>• Funding Formulas</li> <li>• North Orange County, DAC, and Watershed-Wide Funding Allocations</li> </ul> <p>Workshops will be scheduled in the future, as needed.</p>
<b>Metropolitan Water Use Efficiency Workgroup Meeting</b>	<p>On January 20, Joe Berg, Rachel W., Andrea Antony-Morr, and Sam Fetter attended Metropolitan's Water Use Efficiency Workgroup meeting. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• Addendum Update</li> <li>• Pre-1994 New Launch Update</li> <li>• December and January Board Items</li> <li>• Green Builders Coalition</li> <li>• External Affairs Update</li> </ul> <p>The next meeting is scheduled for February 17, 2022.</p>
<b>Flume Distribution Program Meeting</b>	<p>On January 14, Joe, Rachel Davis, and Rachel W. met with staff from Flume, Golden State Water Company, Santa Margarita Water District, and South Coast Water District to discuss the Flume Program. Topics discussed included preliminary data analyses and next steps.</p> <p>Follow-up meetings will be scheduled as needed.</p>

<b>Department of Water Resources (DWR) Water Use Efficiency Standards Methodologies and Performance Measures Workgroup: Outdoor and CII Standards Meeting</b>	<p>On January 25, Joe, Rachel W., Beth, Andrea, and Sam joined the DWR Outdoor and CII Standards meeting related to the Conservation Framework. This workgroup focused specifically on the DWR-proposed outdoor standards to calculate a water supplier's Urban Water Use Objective and the outdoor standards related to CII Performance Measures, specifically landscape size thresholds for mixed-use CII meters. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• Update on DWR WUE Recommendation Package</li> <li>• Overview of the Commercial, Industrial, and Institutional (CII) Performance Measures Recommendations Components</li> <li>• Thresholds for Converting CII Mixed-Use Meters to: <ul style="list-style-type: none"> <li>○ CII dedicated irrigation meters (with or without equivalent technologies); and</li> <li>○ Technologies that could be used instead of requiring dedicated irrigation meters.</li> </ul> </li> <li>• CII Water Use Best Management Practices</li> <li>• CII Water Use Performance Measures Recommendations</li> <li>• Annual Reporting on Implementation of CII Water Use Performance Measures</li> <li>• Next Steps</li> </ul> <p>The comment period closes on February 15, 2022.</p>
<b>MWDOC Landscape Program Advisory Committee (PAC) Meeting</b>	<p>On January 25, Rachel W., Andrea, and Beth hosted the second Landscape PAC meeting with staff from Santa Margarita Water District, Moulton Nigel Water District, Irvine Ranch Water District, and Metropolitan Water District to discuss potential improvements to MWDOC's Turf Removal and Spray to Drip Rebate programs. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• Grant Funding</li> <li>• Follow-up on Action Items</li> <li>• Additional Turf Removal and Spray to Drip Program Suggestions</li> <li>• Other Agenda Items</li> </ul> <p>The next meeting will be scheduled for late February 2022.</p>
<b>Qualified Water Efficient Landscape Quarterly Professional Certifying Organization Meeting</b>	<p>On January 27, Andrea attended the Qualified Water Efficient Landscape Quarterly (QWEL) Professional Certifying Organization (PCO) Meeting. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• Program Updates <ul style="list-style-type: none"> <li>○ Rainwater Module</li> <li>○ Fee Structure Update</li> <li>○ 2021 Highlights</li> <li>○ CEUs</li> <li>○ Exam update</li> <li>○ Online Working Group</li> </ul> </li> <li>• PCO Updates</li> <li>• Other Items</li> </ul> <p>The next meeting is scheduled for April 21, 2022.</p>

<b>Orange County Water Use Efficiency Coordinator Workgroup Meeting</b>	<p>On February 3, Joe, Steve, Beth, Rachel D., Andrea, Sam, and Rachel W. hosted the Orange County Water Use Efficiency Workgroup meeting. Items on the agenda included:</p> <ul style="list-style-type: none"> <li>• MWDOC Updates</li> <li>• Agency Problem Solving Roundtable</li> <li>• Metropolitan Update <ul style="list-style-type: none"> <li>○ Addenda Update and Program Changes</li> <li>○ Pre-1994 Program New Launch Update</li> <li>○ December and January Board Items <ul style="list-style-type: none"> <li>▪ Conservation Update</li> <li>▪ Three-Year Agreement for Inspection and Verification Services with WaterWise Consulting</li> </ul> </li> <li>○ Newly Launched Education Classes</li> </ul> </li> <li>• Drought Update <ul style="list-style-type: none"> <li>○ SWRCB Emergency Regulations</li> </ul> </li> <li>• Conservation as a California Way of Life <ul style="list-style-type: none"> <li>○ Updates Since Last WUE Meeting <ul style="list-style-type: none"> <li>▪ CII Update</li> </ul> </li> <li>○ DWR Stakeholder Meetings</li> </ul> </li> <li>• Water Use Efficiency Updates <ul style="list-style-type: none"> <li>○ Grant Funding Update</li> <li>○ Turf and Drip Update</li> <li>○ Modification to the On-Site Retrofit Program</li> </ul> </li> <li>• CALWEP Update</li> </ul> <p>The next meeting will be held on March 3, 2022.</p>
<b>South Orange County Integrated Regional Watershed Management (IRWM) Committee Meeting</b>	<p>On February 7, Rachel W. attended the South Orange County IRWM Committee Meeting hosted by the County of Orange. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• Bacteria and TMDL Status</li> <li>• Proposition 1 Round 2 IRWM Grant <ul style="list-style-type: none"> <li>○ Draft Guidelines and PSP</li> <li>○ Potential Grant Schedule</li> <li>○ Project Eligibility Review Ad Hoc</li> <li>○ Streamlined Project Submittal Tool</li> </ul> </li> <li>• Member Roundtable</li> </ul> <p>The next meeting is not yet scheduled.</p>
<b>PUBLIC/GOVERNMENT AFFAIRS</b>	
<b>Member Agency Relations</b>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Coordinating the kickoff meeting for 2022 Consumer Confidence Reports</li> <li>• Producing member agency bill inserts to highlight rebates and Fix-a-Leak week</li> <li>• Sent an email and began following up one-by-one with MWDOC member agencies to gauge their interest in participating in the 2022 Earth Month Streams of Hope campaign</li> </ul>

<b>Member Agency Relations – continued</b>	<ul style="list-style-type: none"> <li>• Sent an email to MWDOC member agency Human Resource managers to solicit their input for statewide water and wastewater workforce needs assessment project with the Centers of Excellence initiated by the Water-Energy Education Alliance (WEEA)</li> <li>• Confirmed staff participation at a Jog-a-Thon community event tabled by the South Coast Water District</li> </ul> <p>Government Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Coordinated with the City of Buena Park on notifications to customers who received arrearage payments from the State</li> <li>• Worked with BB&amp;K to draft template letters for the California Arrearage Payment Program (CAPP) and distributed them to all member agencies</li> <li>• Responded to a water shutoffs moratorium question to the City of Fullerton</li> <li>• Distributed the monthly Grants Tracking and Acquisition report to the member agencies</li> <li>• Circulated a CAPP fact sheet to all member agencies</li> <li>• Hosted a Grants Tracking and Acquisition update meeting for member agencies</li> </ul>
<b>Community Relations</b>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Met with the president of the Wyland Foundation (WYFO) to discuss hosting the 2022 National Mayor's Challenge in Orange County</li> <li>• Met with WYFO, Disneyland Resorts, Orange County Conservation Corps, and the County of Orange to outline a partnership for the Streams of Hope (SoH) campaign</li> <li>• Met with the Orange County Department of Education to discuss their role in partnership with MWDOC on the SoH campaign</li> <li>• Met with the Metropolitan Water District of Southern California to discuss their participation in the SoH campaign</li> <li>• Visited and met with Friends of Shipley Nature Center to discuss hosting the MWDOC Water Awareness Poster Contest award ceremony at their facility</li> <li>• Contacted the Master Gardeners of Orange County to submit a Top Tips for waterwise spring gardening article for the February edition of MWDOC eCurrents newsletter</li> </ul> <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Participated in the ACC-OC Legislative Committee meeting</li> </ul>
<b>Education</b>	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> <li>• Prepared and distributed a MWDOC Choice School Programs commitment form to all MWDOC member agencies and the Three Cities for the school year 2022-2023</li> <li>• Collected MWDOC Choice School Program commitments from Orange County water providers for the school year 2022-2023</li> <li>• Updated MWDOC Choice School Programs language for the Three Cities master agreements</li> <li>• Participated in the bi-weekly California Environmental Literacy Initiative (CAELI) Green Career Innovation Hub</li> <li>• Participated in the CAELI Leadership Council's quarterly meeting</li> </ul>



<b>Education – continued</b>	<ul style="list-style-type: none"> <li>• Participated in the monthly Metropolitan Water District of Southern California's (Metropolitan) Education Coordinator's meetings</li> <li>• Attended <i>21<sup>st</sup> Century CTE Careers Symposium</i> hosted by Los Angeles County Office of Education</li> <li>• Coordinated a second round of filming with Hashtag Pinpoint for water education videos in partnership with the Orange County Department of Education and Metropolitan</li> <li>• Speaker's Bureau: Prepared, hosted, and led the Water-Energy Education Alliance (WEEA) Leadership Roundtable #10 with 96 registrants and representatives participating from 57 organizations</li> <li>• Met with Metropolitan, Los Angeles Department of Water and Power, California Environmental Education Foundation, and the Centers of Excellence to discuss logistics for the WEEA Leadership Roundtable Meeting #10</li> <li>• Participated in the California Department of Water Resources Water Education Committee Meeting</li> <li>• Met with Orange County Department of Education to discuss an upcoming teachers workshop presented by the Department of Water Resources Save Our Water and the Water Education Foundation's Project WET</li> <li>• Met with Big Picture Learning to discuss water workshops for teachers through WEEA</li> <li>• Continued coordinating with Solar Cup competition participants within our service area</li> <li>• Assisted Moulton Niguel Water District with access to the MWDOC Choice School Programs shared Google calendar and confirmed lesson plans for the 2022-2023 school year</li> <li>• Provided Yorba Linda Water District a comprehensive overview of the MWDOC Choice School Programs</li> <li>• Notified Golden State Water Company about a school program request in their service area</li> <li>• Provided the City of Fountain Valley with current MWDOC Choice School Program participation and budget numbers</li> <li>• Discussed upcoming teacher training agenda and plan through Project WET with the Moulton Niguel Water District</li> </ul>
<b>Media Relations</b>	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> <li>• Prepared and distributed the February issue of the MWDOC eCurrents newsletter</li> <li>• Prepared and distributed content for social media</li> <li>• Attended a Department of Water Resources workshop on engaging social media and increasing reach</li> <li>• Prepared and submitted two articles to the Association of California Water agencies for consideration:             <ul style="list-style-type: none"> <li>○ <a href="https://www.acwa.com/news/mwdoc-alliance-leads-industry-workforce-needs-assessment/">https://www.acwa.com/news/mwdoc-alliance-leads-industry-workforce-needs-assessment/</a></li> <li>○ <a href="https://www.acwa.com/news/mwdocs-annual-water-awareness-poster-contest/">https://www.acwa.com/news/mwdocs-annual-water-awareness-poster-contest/</a></li> </ul> </li> </ul>

<b>Special Projects</b>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Attended the Orange County Business Council's Workforce Development Committee meeting</li> <li>• Met with the California Association of Public Information Officials to discuss facilitating a panel on diversity, equity, and inclusion as it relates to community engagement and partnerships</li> <li>• Met with VitalLink to discuss panelist opportunities for their workforce symposium</li> <li>• Met with Baywork, IEWorks, Metropolitan, and Cuyamaca College to discuss their participation in an upcoming water and wastewater workforce needs assessment project with the Centers of Excellence (COE) initiated by the Water-Energy Education Alliance (WEEA)</li> <li>• Met with the COE to discuss the upcoming workforce needs assessment project and roles</li> <li>• Invited and confirmed Joaquin Esquivel to serve as the keynote speaker for February 23, 2022, Water Policy Forum</li> <li>• Filmed a promotional video for the Water Awareness Poster Contest with Hashtag Pinpoint</li> <li>• Coordinated event logistics with The Westin South Coast Plaza Hotel for the MWDOC Water Policy Dinner</li> <li>• Prepared and distributed the second invite for the MWDOC Water Policy Dinner</li> <li>• Prepared a comprehensive list of Speakers Bureau events from the 2021 calendar year</li> <li>• Participated in a Supervisors Academy training presented by The Centre for Organization Effectiveness</li> </ul> <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Attended the ACWA Region 10 meeting, where they selected a new Chair</li> <li>• Staffed the January WACO meeting</li> <li>• Attended a meeting with Charles Busslinger and Deborah Diep of CDR to review redistricting updates</li> <li>• Followed up with Supervisor Don Wagner's office regarding MWDOC's WEROC EOC funding request</li> <li>• Completed MWDOC's Q4 state lobbying activity report for transmittal</li> <li>• Staffed the WACO Planning meeting</li> <li>• Coordinated with the February WACO speaker, providing background, potential topics, and questions</li> <li>• Attended a training class on cyber security</li> <li>• Sent out reminders for the ISDOC Quarterly Luncheon meeting</li> <li>• Drafted and submitted an application for Director McVicker for the ACWA Region 10 Board vacancy</li> <li>• Staffed the ISDOC Quarterly Luncheon meeting featuring speaker Carolyn Emery of OC LAFCO</li> <li>• Staffed the ISDOC Executive Committee meeting</li> <li>• Staffed the February WACO meeting</li> </ul>
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<b>Legislative Affairs</b>	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Participated in the ACWA Indoor Water Use working group meeting</li> <li>• Distributed a SB 230 (Portantino) coalition letter to member agencies on behalf of Metropolitan</li> <li>• Participated in the Southern California Water Coalition Legislative Task Force meeting</li> <li>• Attended the ACWA Region 10 State Legislative Committee prep call</li> <li>• Attended a meeting hosted by Metropolitan Water District of Southern California GM to discuss federal and state infrastructure funding and priorities for Southern California projects</li> <li>• Participated in the ACWA State Legislative Committee meeting</li> <li>• Circulated a letter to the Orange County Congressional delegation regarding PFAS – an action taken by the Board of Directors</li> <li>• Attended the ACWA Turf Working Group meeting</li> <li>• Attended the CA Natural Resources Agency Stakeholder's Webinar on proposed water investments in the state budget</li> <li>• Participated in the ACWA AB 1434 (Friedman) Working Group meeting</li> <li>• Participated in the Metropolitan Legislative Update meeting</li> <li>• Participated in CSDA's ad hoc committee meeting on Brown Act updates</li> <li>• Attended the CA Natural Resources Agency webinar outlining their priorities for 2022</li> <li>• Sent out requests and compiled data to build an infrastructure "shovel worthy" project list for Orange County. 17 member agencies plus MWDOC have projects on the list, which was shared with Metropolitan, per their request</li> <li>• Met with Senator Feinstein's Appropriations Committee staff to discuss the next steps for a funding request for the WEROC EOC</li> <li>• Attended the ACWA State Legislative Committee meeting</li> <li>• Participated in the Southern California Water Coalition Legislative Task Force</li> </ul>
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**INFORMATION CALENDAR**

**MWDOC GENERAL INFORMATION  
ITEMS**

**MWDOC BOARD OF DIRECTORS**

- Al Nederhood
- Larry D. Dick
- Bob McVicker
- Karl W. Seckel
- Sat Tamaribuchi
- Jeffery M. Thomas
- Megan Yoo Schneider