REGULAR MEETING OF THE BOARD OF DIRECTORS MUNICIPAL WATER DISTRICT OF ORANGE COUNTY 18700 Ward Street, Fountain Valley, California August 16, 2023, 8:30 a.m.

This meeting will be held in person. As a convenience for the public, the meeting may also be accessed by Zoom Webinar and will be available by either computer or telephone audio as indicated below. Because this is an in-person meeting and the Zoom component is not required, but rather is being offered as a convenience, if there are any technical issues during the meeting, this meeting will continue and will not be suspended.

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#

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. 2143

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. July 5, 2023 Workshop Board Meeting
- b. July 19, 2023 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: July 3, 2023
- b. Administration & Finance Committee Meeting: July 12, 2023
- c. Executive Committee Meeting: July 20, 2023
- d. MWDOC/OCWD Joint Planning Committee Meeting: July 26, 2023

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of July 31, 2023
- b. Disbursement Registers (July/August)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of June 30, 2023
- d. PARS Monthly Statement (OPEB Trust)

Recommendation: Receive and file as presented.

4. FINANCIAL REPORT

- a. Draft Combined Financial Statements and Budget Comparative for the Period Ending June 30, 2023
- b. Quarterly Budget Review (deferred to FY 2022-23 Audited Annual Financials)

Recommendation: Receive and file as presented.

5. REVIEW CANDIDATES FOR THE ASSOCIATION OF CALIFORNIA WATER AGENCIES' (ACWA) ELECTION OF PRESIDENT, VICE PRESIDENT AND REGION 10 BOARD OF DIRECTORS

Recommendation: Restate its prior vote to designate President You

Schneider, or her designee to cast the District's ballot

within her discretion.

End Consent Calendar

ACTION CALENDAR

6-1 MWDOC'S RESPONSE LETTER TO ORANGE COUNTY GRAND JURY REPORT - "HISTORIC RAIN. YET DROUGHT REMAINS"

Recommendation: Review and approve MWDOC's response letter on the

Orange County Grand Jury's findings and

recommendations regarding its report entitled "Historic Rain, Yet Drought Remains", and have staff submit such a letter to the Presiding Judge of the Superior Court before

September 5, 2023.

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

7. GENERAL MANAGER'S REPORT, AUGUST 2023 (ORAL AND WRITTEN)

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

- 8. MWDOC GENERAL INFORMATION ITEMS
 - 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

July 5, 2023

At 8:30 a.m., Vice President McVicker called to order the Workshop Meeting of the Municipal Water District of Orange County in Conference Room 101 at the District facilities located in Fountain Valley, as well as including attendance via the Zoom Webinar application. Director Thomas led the Pledge of Allegiance and Secretary Goldsby called the roll.

STAFF

MWDOC DIRECTORS

Al Nederhood Harvey De La Torre, Interim General Mgr.
Larry Dick* Joe Byrne, Legal Counsel
Karl W. Seckel* Maribeth Goldsby, District Secretary

Bob McVicker Melissa Baum-Haley, Int. Dir. of MET Issues/Policy Randall Crane Alex Heide, Water Resources Analyst (absent)

Jeffery M. Thomas

Charles Busslinger, Dir. of Engineering/Dist. Eng.

Megan Yoo Schneider (absent)

Heather Baez, Governmental Affairs Manager

Hilary Chumpitazi, Accounting Manager

Hilary Chumpitazi, Accounting Manager Joe Berg, Director of Water Use Efficiency

Vicki Osborn, Director of Emergency Management

Sarina Sriboonlue, Principal Engineer

OTHER MWDOC-MET DIRECTORS

Linda Ackerman (absent) Dennis Erdman (absent)

OTHERS PRESENT

Sara Tucker NRR
Garrett Durst (absent) NRR

Syrus Devers Best, Best & Krieger
Dick Ackerman Ackerman Consulting
Ed Means (absent) Means Consulting

Paul Jones (absent) Dopudja & Wells Consulting

Peter Whittingham Whittingham Public Affairs Advisors
Doug Davert East Orange County Water District
Dave Youngblood East Orange County Water District

Kathryn Freshley

Kay Havens

El Toro Water District

Mike Dunbar Emerald Bay Service District
Steve LaMar Irvine Ranch Water District
Doug Reinhart Irvine Ranch Water District
Peer Swan Irvine Ranch Water District
Paul Weghorst Irvine Ranch Water District

^{*}Also MWDOC-MET Directors

Frank Prewoznik Irvine Ranch Water District

Jim Atkinson Mesa Water

Don Froelich Moulton Niguel Water District Sherry Wanninger Moulton Niguel Water District Moulton Niguel Water District Kaden Young Kelly Rowe **Orange County Water District Orange County Water District** Mike Markus John Kennedy **Orange County Water District** Orange County Water District Alicia Dunkin Saundra Jacobs Santa Margarita Water District Santa Margarita Water District Frank Ury Dan Ferons Santa Margarita Water District Jim Leach Santa Margarita Water District Chip Monaco Santa Margarita Water District

Greg Mills Serrano Water District
Brad Reese Serrano Water District

Fernando Paludi Trabuco Canyon Water District
Brett Barbre Yorba Linda Water District

Emily Novak San Diego County Water Authority

Kristy Khachigian KK Consulting

Richard Bell Brooke Jones

PUBLIC PARTICIPATION/PUBLIC COMMENTS

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

No public comments were received.

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

Vice President McVicker inquired as to whether there were any 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 / DISCUSSION ITEMS

PRESENTATION BY MWDOC STAFF ON MET'S CLIMATE ADAPTATION MASTER PLAN: RECAP OF THE JUNE 27 WORKSHOP

Director of Metropolitan Issues & Policy, Melissa Baum-Haley, presented an update on MET's Climate Adaptation Master Plan for Water (CAMP4W) including an overview of the MET CAMP4W workshop held on June 27, 2023.

Dr. Baum-Haley stated that MET held its second workshop to discuss the CAMP4W, which focused on MET member agency alignment and the Gap analysis, as well as including information on: the timeframe and process framework (integrating the Board's planning, policy, and technical input, member agency manager involvement, and public engagement); how to best utilize the IRP Needs Assessment to define the range of water supply needs for potential climate change scenarios and as a tool for evaluating water supply and storage solutions; and how to increase the alignment of member agencies through the Needs Assessment and the CAMP4W Themes. She also reviewed the overarching themes in the process (MET's role in comparison to its member agencies), an overview of the four planning scenarios (for the purpose of defining potential problems), as well as the addition of Equity as a new term (to the ones previously discussed (reliability, resilience, affordability, and financial sustainability).

Considerable discussion ensued, with emphasis on the four planning scenarios (with MET staff looking at Scenario C -- low demand with reduced imports) and the importance of erring on the conservative side; financial stability and cost recovery (and efficient revenue collection); the lack of a solid definition for Equity (at this point in the process); whether it is prudent to address the Business Model at the end of the process; the theme of collaboration and interconnectivity through a regional approach to deal with an uncertain water future; and the complexity of this process.

Dr. Baum-Haley advised that staff would be inviting MET finance staff to a future meeting to address the affordability and financial stability questions raised.

LEGISLATIVE ACTIVITIES

a. Federal Legislative Report (NRR)

Ms. Sara Tucker (NRR) reviewed NRR's written report in the packet, highlighting the appropriations process and the fact that the earmark funding for WEROC's mobile EOC was not included in the Department of Homeland Security bill; she noted that no other emergency operations funding was granted. Board members expressed disappointment regarding the earmark funding and considerable discussion ensued regarding various options (sharing an EOC site, partnering with another agency, submitting another application next year, etc.). As staff advised that the South County EOC was in the process of dismantling, the Board asked staff to research a site for a temporary EOC and report findings at a future date.

Ms. Tucker also advised that Senator Feinstein introduced her comprehensive water bill, the STREAM Act (S. 2162) which authorizes funding for surface and groundwater storage, water recycling, desalination, and ecosystem restoration. Governmental Affairs Manager Heather Baez asked whether the Board had any comments on the STREAM Act, noting that because the legislation aligns with the District's Legislative Policy Principles (which were approved by

the Board), she would be sending a letter of support. Upon general concurrence, the Board concurred that staff submit a letter in support of the STREAM Act.

The Board received and filed the report.

b. State Legislative Report

Mr. Syrus Devers, of BBK, reviewed his report, highlighting various pieces of legislation including AB 460, SB 389, and the budget bills (AB 147 and SB 149). He also advised that Assembly Member Robert Rivas was sworn in as the Speaker of the Assembly.

Following discussion, the Board received and filed the report.

c. Legal and Regulatory Report (Ackerman)

Although Mr. Ackerman was not in attendance, the Board discussed various aspects of his report, including the issue of two North San Diego County water districts' request to detach from the SDCWA (to join Eastern Municipal Water District) to save money on imported water costs.

Following discussion, the Board received and filed the report.

d. County Legislative Report (Whittingham)

Mr. Peter Whittingham referenced his written report, highlighting the OC Grand Jury report "Historic Rain, Yet Drought Remains." Considerable discussion ensued regarding the need to educate the Grand Jury on water issues. It was noted that staff was in the process of preparing a response to the report and would present to the Board in August.

e. MWDOC Legislative Matrix

The Board received and filed the report.

f. Metropolitan Legislative Matrix

The Board received and filed the report.

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

Director Seckel referenced the CAMP4W process, as well as noting that an update on the costs for the Pure Water project will be given to the MET Board in August. He also advised that he attended a MET tour of the desert housing, which was organized in an effort to determine what is needed to improve the deteriorating conditions with the housing

Director Dick also referenced the desert housing issues, noting efforts are underway to improve the housing. Director Dick then referenced an upcoming reception celebrating the Pure Water project, as well as providing an update on the Solar Cup activities.

ACTION ITEMS

CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) 2023 BOARD OF DIRECTORS ELECTION – SOUTHERN NETWORK REGION, SEAT C

Upon MOTION by Director Thomas, seconded by Director Dick, and carried (6-0), the Board authorized staff to cast the District's ballot by the designated deadline, in support of Director Al Nederhood for the CSDA Board of Directors, Southern Network, Seat C, by the following roll call vote:

Upon MOTION by Director Seckel, seconded by Director Thomas, and carried (5-0), the Board adopted a support position on AB 334 (B. Rubio) and authorized a letter be sent to the author and the Orange County delegation, by the following roll call vote:

AYES: Directors Nederhood, Crane, McVicker, Seckel, and Thomas

NOES: None

ABSENT: Directors Dick and Yoo Schneider

ABSTAIN: None

INFORMATION ITEMS

MWD ITEMS CRITICAL TO ORANGE COUNTY

- a. MET Finance and Rate Issues
- b. MET Water Supply Conditions Update
- c. Water Quality Update
- 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 reports regarding the June MET Board Meeting
- b. MET 4-Month Outlook on Upcoming Issues (not available)
- c. Review items of significance for the upcoming MET Board and Committee Agendas

The report was received and filed.

ADJOURNMENT

There being no further business, the meeting adjourned at 10:34 a.m.	

Maribeth Goldsby Board Secretary

MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS MUNICIPAL WATER DISTRICT OF ORANGE COUNTY July 19, 2023

At 8:30 a.m., Vice President McVicker called to order the Regular Meeting of the Municipal Water District of Orange County, in the Board Room at the District facilities located in Fountain Valley, as well as including attendance via the Zoom Webinar application. Following a moment of silence, Director Nederhood led the Pledge of Allegiance and Secretary Goldsby called the roll.

MWDOC DIRECTORS

STAFF

Al Nederhood Larry Dick Bob McVicker Karl Seckel Randall Crane Jeffery M. Thomas Megan Yoo Schneider (via Zoom)

Harvey De La Torre, Interim General Manager Joe Byrne, Legal Counsel Maribeth Goldsby, Board Secretary Melissa Baum-Haley, Director of MET Issues/Policy Damon Micalizzi, Director of Public Affairs Vicki Osborn, Director of Emergency Management Alex Heide, Sr. Water Resources Analyst Joe Berg, Director of Water Use Efficiency Charles Busslinger, Dir. of Engineering/Dist. Eng.

ALSO PRESENT

Linda Ackerman
Dennis Erdman
Dave Youngblood
Kathryn Freshley
Jose Vergara
Dennis Cafferty
Sherri Seitz
Vu Chu
Doug Reinhart

Keith Van Der Maaten

Jim Atkinson
Dick Fiore
Kelly Rowe
Chuck Gibson
Saundra Jacobs
Frank Ury
Dan Ferons
Jim Leach

Chip Monaco
Greg Mills
Jerry Vilander
Bill Green
Rick Shintaku
Jennifer Lopez
Greg Pennington
Fernando Paludi
Brett Barbre
Wayne Miller

MWDOC/MET Director MWDOC/MET Director

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 Irvine Ranch Water District

Laguna Beach County Water District

Mesa Water

Moulton Niguel Water District Orange County Water District Santa Margarita Water District Serrano Water District

Serrano Water District
Serrano Water District
South Coast Water District
South Coast Water District
South Coast Water District
South Coast Water District
Trabuco Canyon Water District
Yorba Linda Water District
Yorba Linda Water District

Tom Lindsey
Peter Whittingham
Lisa Ohlund
Kristy Khachigian

Yorba Linda Water District Whittingham Public Affairs Advisors Ohlund Management & Technical Services KK Consulting

TELECONFERENCE SITE

Vice President McVicker advised that President Yoo Schneider was participating via teleconference location (all agenda requirements pursuant to the Ralph M. Brown Act requirements were complied with). As a result, Vice President McVicker chaired the meeting.

PUBLIC PARTICIPATION/PUBLIC COMMENT

Vice President McVicker 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. Vice President McVicker 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

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

No items were distributed to the Board within 72 hours of the meeting.

ACKNOWLEDGEMENT OF WATER USE EFFICIENCY STAFF

Director of Water Use Efficiency (WUE), Joe Berg, acknowledged the following staff for their efforts with working with residents and businesses on a number of WUE rebate programs, in particular the Turf Program, noting that in a recent survey of both people who participated in the program and those that dropped out of participating, the majority of comments/responses were very positive and complementary of MWDOC staff.

WUE Staff: Rachel Waite, Tina Fann, Cristal Castro, Letty Agular, Melissa Hurtado, Claire Johnson, Alex Cavazos, Alondra Solis, Beth Fahl, and Sam Fetter

CONSENT CALENDAR

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

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

AYES: Directors Nederhood, Dick, McVicker, Seckel, Crane, Thomas and Yoo

Schneider

NOES: None ABSENT: None ABSTAIN: None

MINUTES

The following minutes were approved.

June 7, 2023 Workshop Board Meeting June 21, 2023 Regular Board Meeting

COMMITTEE MEETING REPORTS

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

Planning & Operations Committee Meeting: June 5, 2023
Administration & Finance Committee Meeting: June 14, 2023
Executive Committee Meeting: June 22, 2023

TREASURER'S REPORTS

The following items were ratified and approved as presented.

MWDOC Revenue/Cash Receipt Register as of June 30, 2023 Disbursement Registers (June/July)

The following items were received and filed as presented.

Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment Report) as of May 31, 2023

PARS Monthly Statement (OPEB Trust)

FINANCIAL REPORT

The following items were received and filed as presented.

Combined Financial Statements and Budget Comparative for the Period Ending May 31, 2023

SINGLE FAMILY RESIDENTIAL PRESSURE REGULATING VALVE REPLACEMENT PILOT PROGRAM

The Board ratified the contract between MWDOC and Santa Margarita Plumbing & Air, Inc. (RSM Plumbing) for implementation of the Pressure Regulating Valve Replacement Pilot Program in the Santa Margarita Water District service area.

SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY (SDRMA) ELECTION – BOARD OF DIRECTORS ELECTION 2023

The Board authorized President Yoo Schneider, or her designee, to cast the District's ballot for the SDRMA Board of Directors election.

- END CONSENT CALENDAR -

ACTION CALENDAR

APPOINTMENT OF DEPUTY TREASURER

Upon MOTION by Director Dick, seconded by Director Crane, and carried (7-0), the Board adopted RESOLUTION NO. 2142 appointing Harvey De La Torre as Deputy Treasurer (replacing Robert Hunter), by the following roll call vote:

AYES: Directors Nederhood, Dick, McVicker, Seckel, Crane, Thomas and Yoo

Schneider

NOES: None ABSENT: None ABSTAIN: None

INFORMATION CALENDAR

GENERAL MANAGER'S REPORT, JULY 2023

Interim General Manager Harvey De La Torre advised that the full General Manager's report was included in the Board packet.

Mr. De La Torre highlighted that pursuant to the Reserve Policy revisions completed earlier in the year, a credit of approximately \$500,000 was issued via the member agency invoices for the new fiscal year.

The Board received and filed the report as presented.

MWDOC GENERAL INFORMATION ITEMS

a. BOARD OF DIRECTORS

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

Director 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, and Special Board meetings), the MET Committees, the WACO and WACO Planning meetings, the ISDOC meeting, and the Water Policy dinner.

Director Dick stated 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 and Special Board meetings), the regularly scheduled MET Board and Committee meetings, Water Policy dinner, several meetings regarding the Solar Cup event (MET), a meeting with representatives from Serrano Water District, the WACO and WACO planning meetings, the ISDOC Executive Committee meeting, a meeting with Chapman University's Dean of Engineering regarding Solar Cup, and a meeting with Dick Ackerman regarding Solar Cup.

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 meeting and Regular and Special Board meetings), the ISDOC luncheon and Executive Committee meeting, the WACO meeting, the MET Committee meetings, and a meeting with the Golden State Water Company General Manager.

Director Seckel advised that he attended the regularly scheduled MWDOC meetings (Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular and Special Board meetings), the regularly scheduled MET Board and Committee meetings, the WACO and WACO planning meetings, the MET Caucus meeting, a tour of MET's desert housing, the OC Water Summit planning meeting, the Water Policy dinner, a meeting/dinner with representatives from MNWD, and various meetings with members of the MET Board, including representatives from Long Beach and Los Angeles. He noted that he also met with MET Chair Adan Ortega and he was appointed Vice Chair of MET's Business Model Committee (an ad hoc committee).

Director Crane reported that he attended the regularly scheduled MWDOC meetings, (Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop meeting and Regular and Special Board meetings), meetings with various member agencies, including the YLWD, TCWD, SMWD, and MNWD.

Director Thomas noted that he attended all of the regularly scheduled MWDOC meetings, (the Planning & Operations, Administration & Finance, and Executive Committee meetings, as well as the Workshop and Regular and Special Board meetings), the OC Water Summit planning meeting, the ISDOC luncheon, the Water Policy dinner, the WACO meeting, and the Ad Hoc Committee meeting (GM Recruitment).

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 and Special Board meetings), the WEF Diversity, Equity & Inclusion Board/Committee meeting, a meeting with one of MWDOC's consultants, the SCWD Board meeting, and the CCEEB conference.

Director Nederhood commented on the number of new MET Board members and commended MWDOC's MET Directors for their engagement on MET issues.

Responding to an inquiry by YLWD Director Wayne Miller, Director Seckel provided an overview of MET's Business Model Committee.

a. REQUESTS FOR FUTURE AGENDA TOPICS

No new topics were suggested.

ADJOURNMENT

There being no further business to come before the Board, Vice President McVicker adjourned the meeting at 9:02 a.m.

Respectfully submitted,	
Maribeth Goldsby, Secretary	

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

Jointly with the

PLANNING & OPERATIONS

July 3, 2023 – 8:30 a.m. to 9:37 a.m.

The meeting was held in person at the Municipal Water District of Orange County's office, as well as including attendance via the Zoom Webinar application.

Committee:

Staff:

Director Bob McVicker, Chair Director Al Nederhood Director Karl Seckel (absent)

Harvey De La Torre, Katie Davanaugh, Sarina Sriboonlue, Dave Anderson, Claire Johnson, Alondra Renteria Solis, Alex Cavazos, Christina Hernandez, Hilary Chumpitazi, Janine Schunk, Leah Frazier, Letty Aguilar, Maribeth Goldsby, Melissa Hurtado, Michelle DeCasas, Rachel Davis, Sam Fetter, Tina Fann, Nate Shepherd, Vicki Osborn, Joe Berg, Heather Baez, Charles Busslinger, Sarina Sriboonlue, Claire Johnson, Damon Micalizzi, Tiffany Baca

Also, Present:

Director Megan Yoo Schneider Director Randall Crane Director Larry Dick Director Jeff Thomas

Mark Monin, El Toro Water District
Alicia Dunkin, Orange County Water District
Mike Markus, Orange County Water District
Brad Reese, Serrano Water District
Frank Ury, Santa Margarita Water District
Donald Froelich, Moulton Niguel Water Dist.
Greg Mills, Serrano Water District
Jim Atkinson, Mesa Water
John Kennedy, Orange County Water District
Kathryn Freshley, El Toro Water District
Lisa Ohlund, consultant
Paul Weghorst, Irvine Ranch Water District
Stacy Taylor, Mesa Water
Vu Chu, South Coast Water District

ROLL CALL

Chairman McVicker called the meeting to order at 8:30 a.m. Secretary Goldsby conducted a roll call of the Committee members' attendance, with Directors McVicker and Nederhood present. Directors Crane, Dick, Yoo Schneider and Thomas also present. Director Yoo Schneider sat on the Committee as Director Seckel was absent.

PUBLIC COMMENTS

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 THE MEETING

No items were presented.

PRESENTATION ITEM

PRESENTATION REGARIDNG WEROC EXERCISE AND 2023 GOALS

Vicki Osborn, Director of Emergency Management, provided a presentation and recap of the Next Wave Exercise held on May 17 at the District offices, and reviewed the objectives of the WEROC program for 2023, as outlined in the staff report. The exercise was quite successful, and a review of lessons learned was also shared with the Committee. Ms. Osborn also reviewed recent drill activities that were conducted with El Toro Water District, including an improvement to the program utilizing GIS technology. Approximately 11 agencies participated in the Next Wave Exercise. It was reported that the District's portable generator is available at the City of Fountain Valley (which the City is storing for the District).

Charles Busslinger introduced Sarina Sriboonlue who was hired as the District's new Principal Engineer.

DISCUSSION ITEMS

STATUS REPORT REGARDING THE WEROC EOC PROJECT

Vicki Osborn reported that this item has been deferred to an August Committee meeting where a full report will be provided.

ACTION ITEM

SINGLE FAMILY RESIDENTIAL PRESSURE REGULATING VALVE REPLACEMENT PILOT PROGRAM

Mr. Joe Berg, Director of Water Use Efficiency, provided a review of the existing pilot program which evaluates water savings potential in replacing failed pressure regulating valves in single family residences. The request before the Committee is to add a plumbing vendor, Santa Margarita Plumbing & Air, Inc., for the Santa Margarita Water District service area specifically.

It was noted that this program is funded by the Metropolitan Water District as well as funds from Proposition 1 and is currently only available for single family residences. Kathryn

Freshley, El Toro Water District Director expressed interest for multi-family residents in her service area if/when it becomes available.

Upon MOTION by Director Yoo Schneider, seconded by Director Nederhood, and carried (3-0) Santa Margarita Plumbing & Air, Inc., was added as a vendor to the Single-Family Residential Pressure Regulating Valve Replacement Pilot Program and was referred to the July 19, 2023 Board meeting for approval. The vote was taken via roll call with Directors McVicker, Nederhood and Yoo Schneider all voting in favor.

SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY (SDRMA) ELECTION – BOARD OF DIRECTORS ELECTION 2023

Heather Baez, Governmental Affairs Manager, briefly reviewed the SDRMA ballot materials in the staff report and the Committee reviewed the slate of candidates.

Upon MOTION by Director Nederhood, seconded by Yoo Schneider, and carried (3-0) the SDRMA Election – Board of Directors Election 2023, Option 1 was referred to the July 19, 2023 Board meeting for approval. Directors Nederhood, McVicker and Yoo Schneider all votes in favor.

INFORMATION ITEMS

Harvey De La Torre, Interim General Manager noted the addition of the *Public Affairs*Highlights staff report which will be an addition to the monthly Committee meeting's agenda.

Damon Micalizzi, Director of Public Affairs, introduced Claire Johnson who recently joined the Public Affairs team, noting she was formerly a WUE Intern. Damon went on to provide a brief review of the interactive links that are provided in the electronic version of the staff report.

JUNE PUBLIC AFFAIRS HIGHLIGHTS

2023 OC WATER SUMMIT UPDATE

MWDOC K-12 CHOICE SCHOOL PROGRAMS UPDATE

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 the Information Items following review of the staff 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

No information was presented.

ADJOURNMENT

There being no further business brought before the Committee, Chairperson McVicker adjourned the meeting at 9:37 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

July 12, 2023 – 8:30 a.m. to 9:08 a.m.

Director Dick called the meeting to order at 8:30 a.m. The meeting was held in person at the District offices and included attendance via the Zoom Webinar application.

A&F Committee

Director Larry Dick, Chair Director Randy Crane Director Jeff Thomas (absent)

Also Present:

Director Al Nederhood Director Bob McVicker Director Megan Yoo Schneider (absent) Director Karl Seckel

Brad Reese, Serrano Water District Chip Monaco, Santa Margarita Water District Chuck Gibson, Santa Margarita Water District Donald Froelich, Moulton Niguel Water District Doug Reinhardt, Irvine Ranch Water District Fernando Paludi, Trabuco Canyon Water District Jennifer Lopez, South Coast Water District Jim Atkinson, Mesa Water Jim Leach, Santa Margarita Water District John Kennedy, Orange County Water District Jose Vergara, El Toro Water District Kay Havens, El Toro Water District Kristy Khachigian, KK Consulting Mark Monin. El Toro Water District Marwan Khalifa. Mesa Water Saundra Jacobs, Santa Margarita Water District Vu Chu, El Toro Water District Emily Novak, San Diego County Water Authority Sherry Wanninger, Moulton Niguel Water District Mike Gaskins, El Toro Water District Lisa Ohlund Paul Weghorst, Irvine Ranch Water District

Staff:

Harvey De La Torre Maribeth Goldsby Cathy Harris Hilary Chumpitazi Joe Bera Melissa Baum-Halev Damon Micalizzi Charles Busslinger **Heather Baez** Sarina Sriboonlue Vicki Osborn Janine Schunk Judy Roberts Michelle DeCasas Nate Shepherd Pari Francisco Rachel Waite Sam Fetter. Letty Aguilar Steven Hung Tina Fann Alex Heide. Alondra Renteria Solis Alex Cavazos Beth Fahl Christina Hernandez Claire Johnson Tina Dubuque

ROLL CALL

Secretary Goldsby conducted a roll call attendance of the Committee members, with Directors Dick and Crane acknowledging attendance and Director Thomas being absent. Directors Nederhood, McVicker, and Seckel, were also present. In the absence Director Thomas, Director McVicker served on the Committee.

PUBLIC COMMENTS

No comments were received.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS BEFORE MEETING

No items were presented.

PROPOSED BOARD CONSENT CALENDAR ITEMS

TREASURER'S REPORT

- TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report for June 2023
 - b. Disbursement Approval Report for July 2023
 - c. Disbursement Ratification Report for June 2023
 - d. GM Approved Disbursement Report for June 2023
 - e. Consolidated Summary of Cash and Investment for May 2023
 - f. OPEB and Pension Trust Fund statements

Per Director Seckel's request, Mr. Harvey De La Torre, Interim General Manager, stated he would provide him a copy of the map of the South OC Pipelines.

Following review of the Treasurer's Report, and upon MOTION by Director Crane seconded by Director McVicker and carried (3-0), the Committee recommended approval of the Treasurer's Report at the July 19, 2023, Board meeting. The vote was taken via roll call, with Directors Dick, Crane, and McVicker all voting in favor.

FINANCIAL REPORT

a. Combined Financial Statements and Budget Comparative for the Period Ending May 31, 2023

Upon MOTION by Director Crane seconded by Director McVicker and carried (3-0), the Committee recommended approval of the Treasurer's Report at the July 19, 2023, Board Meeting. The vote was taken via roll call, with Directors Dick, Crane, and McVicker all voting in favor.

ACTION ITEMS

APPOINTMENT OF DEPUTY TREASURER

Director Dick explained that due to the untimely death of the District's prior General Manager, Mr. Robert Hunter, it is necessary to appoint a replacement Deputy Treasurer. He noted that it has been customary for the Board to appoint its General Manager as the Deputy Treasurer. He recommended that the Board consider appointing the District's Interim General Manager, Mr. Harvey De La Torre.

Upon MOTION by Director McVicker seconded by Director Crane and carried (3-0), the Committee recommended the Board of Directors adopt a Resolution appointing Mr. Harvey De La Torre, Interim General Manager, as Deputy Treasurer (replacing Mr. Robert Hunter) at the July 19, 2023, Board Meeting. The vote was taken via roll call, with Directors Dick, Crane, and McVicker all voting in favor.

DISCUSSION ITEM

STATUS REPORT REGARDING MWDOC'S RESPONSE TO THE 2022-2023 OC GRAND JURY REPORT – "HISTORIC RAIN, YET DROUGHT REMAINS" (oral report)

Mr. Harvey De La Torre, Interim General Manager, provided an oral status report on the 2022-23 Orange County Grand Jury's Report titled, "Historic Rain, Yet the Drought Remains" which calls for the creation of a climate resiliency district to lessen Orange County's dependency on state and regional water projects. MWDOC is required to provide responses on all twelve findings and two of the four recommendations. The responses are due to the presiding judge by September 5, 2023. Mr. De La Torre explained that a discussion was held with MWDOC's Member Agency Managers about interest in coordinating a response since there are similarities in how MWDOC and the other member agencies view the Grand Jury's evaluations. The consensus among the managers was that a coordinated response was undesirable, and each agency should submit its feedback independently. He noted that staff is evaluating each item and will provide a draft response to the Committee for review in August to meet the September 5 deadline. He also ensured that the MWDOC member agencies and the Orange County Board of Supervisors are copied on the response.

Conversations ensued around MWDOC and the submission of individual letters by each agency, making sure that a discussion was held with the OC Grand Jury educating them on how water works in Southern California, including a discussion about Metropolitan's Integrated Resources Plan (IRP) and how it works on a regional basis as well educating and responding to the public and community leaders. It was also noted that it was important that the Orange County Board of Supervisors be provided any needed information about MWDOC and the County's water supply need before meeting with future Grand Juries.

In response to Director Dick's request to make the response to the current (2023-24) Grand Jury's inquiry and their education a priority, Mr. Damon Micalizzi, Director of Public

Affairs, stated that the Public Affairs staff has prioritized this item and is currently working on MWDOC hosting a local tour for the upcoming 2023-24 OC Grand Jury.

This discussion item was received and filed.

INFORMATION ITEMS

GENERAL MANAGER AUTHORIZED AGREEMENTS

DEPARTMENT ACTIVITIES REPORTS

- a. Administration
- b. Finance and Information Technology

MONTHLY WATER USAGE DATA AND WATER SUPPLY INFORMATION

The informational items were received and filed.

OTHER ITEMS

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

Responding to Director Seckel, Mr. Harvey De La Torre, Interim General Manager, stated that an update on the LAFCO study would be presented at the Executive Committee Meeting.

ADJOURNMENT

As no further business was brought before the Committee, the meeting was adjourned at 9:08 a.m.

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

EXECUTIVE COMMITTEE

July 20, 2023, 8:30 a.m. to 9:25 a.m. Conference Room 101

Committee: Staff:

Director Yoo Schneider, President (via Zoom) H. De La Torre, M. Goldsby,

Director McVicker, Vice President D. Micalizzi

Director Dick, Immediate Past President (absent)

Also Present:

Director Nederhood
Director Seckel
Director Crane
Director Thomas
Linda Ackerman, MWDOC/MET Dir.
Dennis Erdman, MWDOC/MET Dir.

Stacy Taylor, Mesa Water Don Froelich, MNWD Mike Markus, OCWD John Kennedy, OCWD
Brad Reese, Serrano WD
Dick Ackerman, Ackerman Consulting
Kristy Khachigian, KK Consulting

Due to President Yoo Schneider participating via the Zoom Webinar application, at 8:30 a.m., Vice President McVicker called the meeting to order. The meeting was held in-person at the District offices as well as including attendance via the Zoom Webinar application. Secretary Goldsby called the roll, with Committee members Yoo Schneider and McVicker present, and Director Dick absent. Director Nederhood was seated on the Committee in Director Dick's absence.

TELECONFERENCE SITE

Vice President McVicker advised that President Yoo Schneider was participating via teleconference location (all agenda requirements pursuant to the Ralph M. Brown Act requirements were complied with). As a result, Vice President McVicker chaired the meeting.

PUBLIC PARTICIPATION

No items were presented.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

No items were presented.

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

Secretary Goldsby advised that the draft agendas for the upcoming month were distributed to the Board and made available to the public.

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. Planning & Operations Committee

Following review of the agenda, the Committee recommended this meeting be canceled and that the Water Policy dinner recap and the OC Water Summit report be added to the Administration & Finance Committee agenda.

Director Seckel asked staff to notify the Board on the status of the Water Use Efficiency State Standards (to include information on the timing of potential decision making). He stated this can be done via an email or an information item.

b. Workshop Board Meeting

Considerable discussion was held regarding the CAMP4W presentation and Director Seckel asked that a synopsis of the MET Managers discussions be included in the presentation.

c. Administration & Finance Committee

As noted above, the OC Water Summit report and the Water Policy dinner recap were added to the agenda.

Director Nederhood suggested the Board address the LAFCO MSR Focused Study status and approach to communicating with the other member agencies. This item was added to the agenda (as a full Board discussion for possible action). Discussion ensued regarding the process, OCWD's stance (actions taken) and the need to educate the member agencies on the issues. Director Crane suggested that the Board consider conducting a study (MWDOC and OCWD) outside of the LAFCO MSR Focused Study.

d. MWDOC/OCWD Joint Planning Committee

Following discussion on whether this meeting should be canceled, the Committee recommended it remain on the calendar and encourage the entire OCWD Board to attend. Director Thomas asked that an update on the OC Water Summit be included on the agenda.

(Vice President McVicker left the meeting at 9:06 a.m).

DISCUSSION REGARDING UPCOMING ACTIVITIES OF SIGNIFICANCE

Interim General Manager Harvey De La Torre advised that per the Board's direction, staff contacted the 2023-24 OC Grand Jury and will be working with them to educate them on current water issues and MWDOC's role in the County.

MEMBER AGENCY RELATIONS

Mr. De La Torre advised that the LAFCO MSR Focused Study kick-off meeting was held with OCWD staff, LAFCO staff and the consultant which simply covered the timeline and MSR process. He also advised that MWDOC had been invited to provide an update to YLWD Board on Colorado River issues, and that MWDOC and OCWD would participate in a roundtable discussion with SMWD on August 18, 2023.

GENERAL MANAGER'S REPORTS

Mr. De La Torre then noted that (1) he would be working with management staff on the goals to achieve the Board's strategic planning priorities, and (2) the vacant IT position has been filled (this being the third position filled in two months).

REVIEW AND DISCUSS DISTRICT AND BOARD ACTIVITIES

Secretary Goldsby then presented Director Thomas' expense reports (January-April) to the Committee for approval (pursuant to the Administrative Code, expense reports older than 60 days are required to be presented to the Executive Committee). The Committee generally concurred to approve the reports.

ADJOURNMENT

There being no further business to be brought before the Committee, the meeting adjourned at 9:25 a.m.

MEETING REPORT

JOINT PLANNING COMMITTEE WITH BOARD OF DIRECTORS MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC) and ORANGE COUNTY WATER DISTRICT (OCWD) July 26, 2023 - 8:30 a.m. - 9:57 a.m.

Zoom Webinar Application

MWDOC DIRECTORS:

Al Nederhood Larry Dick Bob McVicker Karl W. Seckel Randall Crane Jeffery M. Thomas Megan Yoo Schneider (absent)

OCWD DIRECTORS:

Kelly Rowe Denis Bilodeau Roger Yoh (via Zoom) Van Tran (via Zoom) Steve Sheldon (absent) Cathy Green (absent) Dina Nguyen (absent) Natalie Meeks (absent) Bruce Whitaker Valerie Amezcua (via Zoom)

MWDOC STAFF:

Harvey De La Torre Melissa Baum-Haley Katie Davanaugh Heather Baez **Kevin Hostert** Joe Berg Alex Heide Tina Dubuque Michelle DeCasas Pari Francisco Dave Anderson

OCWD STAFF:

Mike Markus Christina Fuller **Crystal Nettles** Gina Ayala Alicia Dunkin **Bruce Dosier** Andre Casasola

ALSO PRESENT:

Dennis Erdman, MWDOC/MET Director Dick Ackerman, MWDOC consultant Dick Ackerman, Ackerman Consulting Jerry Vilander, Serrano Water District Daniel Ferons, Santa Margarita Water District Dick Fiore, Moulton Niguel Water District J Wayne Miller, Yorba Linda Water District Jim Leach, Santa Margarita Water District Paul Weghorst, Irvine Ranch Water District Tom Lindsey, Yorba Linda Water District Vu Chu, South Coast Water District Emily Novak, San Diego County Water Authority Peter Whittingham, Whittingham Public Advisors Keith Van Der Maaten, Laguna Beach Co. Water District

Linda Ackerman, MWDOC/MET Director Peer Swan. Irvine Ranch Water District Richard Bell Chip Monaco, Santa Margarita Water District Dennis Cafferty, El Toro Water District Donald Froelich, Moulton Niguel Water District

Jim Atkinson, Mesa Water Paul Shoenberger, Mesa Water Tony Cordero

MWDOC Vice President McVicker chaired the meeting and called it to order at 8:30 a.m. Several OCWD Directors participated via Zoom and Brown Act requirements were complied with. The meeting was held in person at the District offices, as well as attendance via the Zoom Webinar application.

PUBLIC COMMENTS

No public comments were received.

IMPORTED WATER SUPPLY UPDATE

MWDOC Sr. Water Resources Analyst Kevin Hostert, provided a presentation and review of current imported water supply conditions, including Lake Oroville storage and San Luis reservoir storage levels, a forecast of Lake Mead levels, as well as the Colorado River basin estimated levels. He went on to describe the 2023-24 winter outlook due to the expected El Niño conditions as well as what that means for California. It was noted that snowpack melt will continue as part of the natural occurrence.

Discussion was held on the importance of creating additional storage facilities and resources for heavy rain years to prepare for dry years; and what Metropolitan Water District is doing for storage efforts.

Orange County Water District General Manager Mike Markus expressed the hope that the Metropolitan Water District would develop a program to manage water rates for excess water during conditions when rainy seasons make excess water more readily available to OCWD recharge the basin.

The staff report and presentation were received and filed.

GROUNDWATER BASIN UPDATE

OCWD General Manager Mike Markus provided a presentation and review of current rainfall data vs. annual average rainfall data. He also reviewed historical total water demand, including groundwater and imported water purchases for the OCWD groundwater basin, and then reviewed the groundwater basin accumulated overdraft data.

Discussion ensued regarding the high cost of imported water and the need for continued discussions at MET on storage options/opportunities, in particular during excess wet years.

Following discussion, the Committees received and filed the presentation.

OCWD LAFCO FOCUSED MUNICIPAL SERVICE REVIEW (MSR) PROCESS AND UPDATE

MWDOC Director Crane reported that MWDOC continues to work towards a positive resolution with OCWD. He inquired if any OCWD directors had any interest in supporting MWDOC's proposal for an expanded MSR scope, because the current proposed scope has a number of shortcomings. OCWD Director Tran stated he was interested in walking through MWDOC's recommended additions and modifications of the scope, if other OCWD Directors were also interested. MWDOC Director Nederhood asked if there was interest by the OCWD Board that they may agendize for discussion and action.

OCWD General Manager Mike Markus noted that on July 19, MWDOC Interim General Manager Harvey De La Torre and Heather Baez (MWDOC Director of Governmental Affairs), along with OCWD staff (Mike Markus and John Kennedy) and the consultants held a kick-off meeting with LAFCO staff to review the MSR process. Both OCWD and MWDOC will continue to review the MSR process and work in a cooperative and productive manner to provide LAFCO and the consultants the needed information to complete the MSR study. It was noted the process is lengthy and will be on-going for the next several months.

OC WATER SUMMIT UPDATE

Ms. Crystal Nettles, OCWD Sr. Communications Specialist provided an overview of the upcoming October 13th event which will be held at the Westin South Coast Plaza. OCWD will take the lead on this event in coordination with MWDOC. The summit topic is titled Finding Reliability, and Fritz Coleman will be the master of ceremony for the event. Ms. Nettles reviewed the program agenda, speakers and sponsors.

BOARD ROOM VIDEO SCREEN STATUS

OCWD Director of Information Services and Property Management, Mr. Bruce Dosier provided information on updates needed in the OCWD/MWDOC joint board room with the audio/visual equipment. The last update to the equipment was made approximately 12 years ago. Both agencies will meet to review cost and needs. Staffs were directed to schedule a meeting with of the Joint Building Committee.

ANY FUTURE AGENDA ITEMS

No information was presented.

NEXT MEETING - OCTOBER 25, 2023

It was noted that the next MWDOC/OCWD Joint Planning Committee meeting is scheduled for October 25, 2023.

ADJOURNMENT

There being no further business to come before the Committee, the meeting was adjourned at 9:57 a.m.

Municipal Water District of Orange County REVENUE / CASH RECEIPT REPORT July 2023

WATER REVENUES

Date	From	<u>Description</u>	<u>Amount</u>
7/05/2023	City of La Palma	May 2023 Water deliveries	672.34
7/05/2023	El Toro Water District	May 2023 Water deliveries	546,745.12
7/05/2023	South Coast Water District	May 2023 Water deliveries	418,562.57
7/10/2023	Laguna Beach County Water District	May 2023 Water deliveries	323,851.33
7/10/2023	Mesa Water District	May 2023 Water deliveries	104.62
7/10/2023	Santa Margarita Water District	May 2023 Water deliveries	1,782,758.92
7/10/2023	Santa Margarita Water District (ID9)	May 2023 Water deliveries	730,953.96
7/11/2023	City of Garden Grove	May 2023 Water deliveries	60,930.36
7/12/2023	City of Buena Park	May 2023 Water deliveries	40,578.71
7/13/2023	City of Orange	May 2023 Water deliveries	52,737.80
7/13/2023	Trabuco Canyon Water District	May 2023 Water deliveries	54,298.70
7/13/2023	Yorba Linda Water District	May 2023 Water deliveries	268,286.04
7/14/2023	City of San Clemente	May 2023 Water deliveries	663,031.36
7/14/2023	East Orange Co Water District	May 2023 Water deliveries	616,010.04
7/14/2023	Golden State Water Company	May 2023 Water deliveries	645,689.36
7/14/2023	Irvine Ranch Water District	May 2023 Water deliveries	290,281.67
7/14/2023	Moulton Niguel Water District	May 2023 Water deliveries	1,784,341.39
7/14/2023	Orange County Water District	May 2023 Water deliveries	295,065.15
7/20/2023	City of Westminster	June 2023 Water deliveries	14,948.03
7/21/2023	City of Brea	June 2023 Water deliveries	8,826.38
7/21/2023	City of Huntington Beach	June 2023 Water deliveries	444,434.98
7/21/2023	City of Seal Beach	June 2023 Water deliveries	11,701.74
7/24/2023	City of La Habra	June 2023 Water deliveries	6,931.31
7/24/2023	City of Newport Beach	June 2023 Water deliveries	23,761.99
7/28/2023	City of San Clemente	June 2023 Water deliveries	696,259.07
7/31/2023	City of Fountain Valley	June 2023 Water deliveries	6,288.41
7/31/2023	El Toro Water District	June 2023 Water deliveries	634,624.99
7/31/2023	Serrano Water District	June 2023 Water deliveries	8,523.47
7/31/2023	South Coast Water District	June 2023 Water deliveries	425,873.02

TOTAL WATER REVENUES \$ 10,857,072.83

Municipal Water District of Orange County REVENUE / CASH RECEIPT REPORT July 2023

MISCELLANEOUS REVENUES

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
7/03/2023	WePay	6/22/2023 Water Policy dinner registrations	7,343.81
7/05/2023	East Orange Co Water District	6/22/2023 Water Policy dinner	1,100.00
7/10/2023	Mesa Water District	6/22/2023 Water Policy dinner	1,100.00
7/17/2023	Santa Margarita Water District	6/22/2023 Water Policy dinner - Table of 8	1,100.00
7/27/2023	Stephen Sheldon	6/22/2023 Water Policy dinner registration	140.00
7/05/2023	Karl Seckel	July 2023 Retiree Health insurance	184.29
7/10/2023	Steve Hedges	July 2023 Retiree Health insurance	93.56
7/24/2023	Stan Sprague	August 2023 Retiree Health insurance	184.29
7/31/2023	Keith Lyon	August 2023 Retiree Health insurance	184.29
7/17/2023	Patricia Meszaros	Jul-Aug 2023 Retiree Health insurance	33.04
7/12/2023	Judy Pfister	Jul-Sep 2023 Retiree Health insurance	62.10
7/17/2023	US Bank Custodial Account	Sallie Mae Interest payment	991.78
7/20/2023	US Bank Custodial Account	American Express Interest payment	3,322.47 2,727.40
7/25/2023 7/25/2023	US Bank Custodial Account US Bank Custodial Account	Capital One Interest payment Discover Bank Interest payment	4,091.10
7/31/2023	US Bank	Monthly Interest	227.49
7/31/2023	Santa Margarita Water District	April 2023 Smartimer rebate program	20.00
7/10/2023	Irvine Ranch Water District	May 2023 Smartimer rebate program	76.99
7/17/2023	Santa Margarita Water District	May 2023 Smartimer rebate program	48.98
7/17/2023	City of Fountain Valley	May 2023 Turf Removal rebate program	222.00
7/05/2023	Mesa Water District	March 2023 Turf Removal and Spray to Drip rebate program	999.00
7/10/2023	Irvine Ranch Water District	May 2023 Turf Removal and Spray to Drip rebate program	313,757.55
7/14/2023	2 Checks	May 2023 Turf Removal and Spray to Drip rebate program	999.00
7/17/2023	2 Checks	May 2023 Turf Removal and Spray to Drip rebate program	1,110.00
7/20/2023	City of Westminster	May 2023 Turf Removal and Spray to Drip rebate program	444.00
7/27/2023	City of Orange	June 2023 Turf Removal and Spray to Drip rebate program	777.00
7/28/2023	City of Tustin	June 2023 Turf Removal and Spray to Drip rebate program	555.00
7/31/2023	City of Fountain Valley	June 2023 Turf Removal and Spray to Drip rebate program	333.00
7/13/2023	Trabuco Canyon Water District	May 2023 High Efficiency Clothes Washers rebate program	145.00
7/17/2023	El Toro Water District	March 2023 Turf Removal and High Efficiency Clothes Washers rebate program	1,693.00
7/10/2023	Mesa Water District	May 2023 Smartimer, Turf Removal and Spray to Drip rebate program	463.00
7/10/2023	Moulton Niguel Water District	May 2023 Smartimer, Turf Removal, Spray to Drip and High Efficiency Clothes Washers rebate program	17,530.02
7/21/2023	City of San Clemente	May 2023 Smartimer, Turf Removal. Rain Barrels, High Efficiency Clothes Washers and Toilets rebate program	26,454.52
7/21/2023	Laguna Beach County Water District	May 2023 Turf Removal, Rain Barrels and High Efficiency Clothes Washers rebate program	271.00
7/14/2023	City of Fullerton	Water Loss Control Shared Services FY 2022-23	816.79
7/10/2023	Mesa Water District	Water Loss Control Shared Services FY 2022-23	419.00
7/28/2023	City of Seal Beach	Water Loss Control Shared Services FY 2023-24	2,346.00
7/31/2023	City of Fountain Valley	Water Loss Control Shared Services FY 2023-24	50,456.00
7/05/2023	City of Santa Ana	Water Loss Control Technical Assistance CY 2023 - E Source	12,680.00
7/14/2023	City of Anaheim	Water Loss Control Technical Assistance CY 2023 - E Source	700.00
7/21/2023	City of Seal Beach	Water Loss Control Technical Assistance CY 2023 - E Source	10,120.00
7/31/2023	City of Fountain Valley	Water Loss Control Technical Assistance CY 2023 - E Source	10,120.00
7/10/2023	City of Santa Ana	Dedicated Irrigation Meters Measurement Program FY 2022-23	132,845.00
7/14/2023	City of Anaheim	Dedicated Irrigation Meters Measurement Program FY 2022-23	64,324.17
7/21/2023	City of Fullerton	Jan-Jun 2023 School bilting	3,109.90
7/14/2023	Orange County Water District	FY 2023-24 Groundwater Customer Charge with Reserve fund credit	364,466.23
7/14/2023	City of Brea	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	175,143.68
7/17/2023	City of Newport Beach	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	349,477.02
7/20/2023	City of Westminster	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	278,017.64
7/21/2023	City of Fountain Valley	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	228,775.36
7/21/2023	City of Seal Beach	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	72,836.97
7/21/2023	Irvine Ranch Water District	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	1,597,861.98
7/21/2023	Laguna Beach County Water District	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	117,838.42
7/24/2023	City of Orange	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	260,243.96
7/24/2023	City of Orange	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	446,651.51
7/24/2023	El Toro Water District	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	128,481.02 578 522 50
7/24/2023 7/24/2023	Golden State Water Company Moulton Niguel Water District	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	578,522,50 712,027.69
7/27/2023	Yorba Linda Water District	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	344,007.15
7/28/2023	City of Huntington Beach	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	734,217.78
7/28/2023	East Orange Co Water District	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	281,866.80
7/31/2023	Serrano Water District	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	30,847.33
7/31/2023	South Coast Water District	FY 2023-24 Annual Retail Service Connection Charge with Reserve fund credit	180,816.14
7/17/2023	Western Municipal Water District	WEEA Sponsorship FY 2023-24	2,500.00
	-		,

Municipal Water District of Orange County REVENUE / CASH RECEIPT REPORT July 2023

MISCELLANEOUS REVENUES

Date	From	Description	Amount
7/14/2023	Orange County Sanitation District	WEROC Funding for FY 2023-24	56,800.80
7/14/2023	Orange County Water District	WEROC Funding for FY 2023-24	144,900.00
7/21/2023	City of Fullerton	WEROC Funding for FY 2023-24	22,024.80
7/24/2023	City of Santa Ana	WEROC Funding for FY 2023-24	22,024.80

TOTAL MISCELLANEOUS REVENUES \$ 7,807,071.12
TOTAL REVENUES \$ 18,664,143.95

Harvey De La Torre, Interim General Manager

Hilary Chumpitazi, Treasurer

Vendor/		Amount to
Invoice	Description	Pay
Core Disbu	rsements:	
Accent Compu	iter Solutions LLC	
158830	August 2023 IT support services	7,483.00
Total		7,483.00
Ackerman Cor	nsulting-Richard C Ackerman	
1379	July 2023 Legal and regulatory specialized consulting services	3,500.00
Total		3,500.00
ACWA Joint Po	owers Ins Auth	
10531	7/1/23-6/30/24 Property insurance renewal	9,464.01
Total		9,464.01
Aleshire & Wy	nder LLP	
78573/78574	July 2023 Legal Services	279.75
Total		279.75
Alta FoodCraf	t .	
12323963	July 2023 Coffee and tea supplies	198.89
Total		198.89
Association of	California Cities - OC	
3555	2023-24 Affiliate membership renewal	5,000.00
Total		5,000.00
Best Best and	Krieger LLP	
55401-JUN23	June 2023 Legal Services	9,798.15
969369	June 2023 State Advocacy Agreement services	8,000.00
55401-JUL23	July 2023 Legal Services	18,762.67
971248	July 2023 State Advocacy Agreement services	8,000.00
Total		44,560.82
CDM Smith		= ==
90182113	June 2023 Services for water resource planning	1,447.50
Total		1,447.50
_	Nina H. Spencer	
1049	10% Retainer fee for MWDOC General Manager Search services	31,600.00
Total		31,600.00
	(Indoor Plant Care) LLC-Dedo Verde Interior	
20230772	August 2023 Indoor plant service	305.50
Total		305.50

Vendor/		Amount to
Invoice	Description	Pay
D	Consulting Inc.	
Dopudja & Wells 1264		6 400 00
1275	June 2023 Consulting services on MET Strategic Issues and Priorities May and June 2023 Senior Advisory Consulting Services for State and Federal Legislative and	6,490.00 13,400.00
12/3	Policy Matters	13,400.00
Total	Total Watters	19,890.00
E Source Compa	nies LLC	
11030	June 2023 Business Plan Implementation services	11,780.00
Total		11,780.00
GTS Architecture		
1290	May 2023 MWDOC Office kitchen and ADA ramp architectural and engineering services	8,011.85
1291	June 2023 MWDOC Office kitchen architectural and engineering services	2,316.16
Total		10,328.01
Hashtag Pinpoin	•	
1765	July 2023 Social Media consultation and services	7,913.00
Total		7,913.00
Lawnscape Syste	ms Inc	
438503	07/10/23 Landscape Maintenance for Atrium	495.00
438504	07/31/23 Landscape Maintenance for Atrium	395.00
Total		890.00
Phil Letrong		
63023	April-June 2023 Retiree medical premium	494.70
Total		494.70
Keith Lyon		
70623	April-June 2023 Retiree medical premium	989.40
Total		989.40
Means Consultin	g-Edward G Means III	
MWDOC-1311	July 2023 East Orange County Feeder #2 Emergency Pilot Project Consulting Services	343.75
Total		343.75
Patricia Meszaro	s	
63023	April-June 2023 Retiree medical premium	494.70
Total		494.70
Natural Resource	e Results LLC	
4484	July 2023 Federal Advocacy Agreement services	8,000.00
Total		8,000.00

Vendor/ Invoice	Description	Amount to Pay
NDS		
819790	06/16/23 Board packet delivery service	134.72
820833	07/07/23 Board packet delivery service	134.72
820886	07/14/23 Board packet delivery service	134.72
821125	07/28/23 Board packet delivery service	134.72
Total		538.88
ODP Business So	olutions LLC	
321979330001	07/12/23 Office supplies	40.90
321999959001	07/13/23 Office supplies	19.55
324092174001	07/24/23 Office supplies	8.91
324092706001	07/25/23 Office supplies	54.06
Total		123.42
Office Solutions		
I-02141545	07/19/23 Office supplies	395.90
I-02142761	07/24/23 Staff business cards	356.43
I-02146092	08/03/23 Office supplies	27.56
Total		779.89
Orange County \	Nater District	
25544	June 2023 Postage, shared office & maintenance expense	12,810.90
Total		12,810.90
Stetson Enginee		
1543-29-2022	FY 2022-23 Member Agency Consumer Confidence Reports	40,766.00
Total		40,766.00
Steven Enterpris	ses Inc	
0003538-IN	Annual maintenance contract renewal for Plotter	697.00
Total		697.00
_	blic Affairs Advisors	
2078	August 2023 Strategic guidance services on local & regional issues	7,500.00
Total		7,500.00
Total Core Expe	nditures	228,179.12

Vendor/ Invoice	Description	Amount to Pay
Choice Expe	nditures:	
ACWA Joint Pov	vers Ins Auth	
10531	7/1/23-6/30/24 Property insurance renewal	1,879.40
Total		1,879.40
Grainger	07/07/00 W. I. J. J. G. J. J. J. G. J. J. J. G. J.	407.55
9785821191 9785986432	07/27/23 Water Loss Control Shared Services supplies 07/27/23 Water Loss Control Shared Services supplies	107.55 25.02
Total	07/27/23 Water Loss Control Shared Services supplies	132.57
Mission RCD		
3389	July 2023 Field inspection and verification for Water Use Efficiency rebate programs	3,552.22
Total		3,552.22
Office Solutions I-02140738	07/14/23 Supplies for Water Loss Control Shared Services	56.93
Total	07/14/25 Supplies for Water Loss Control Shared Services	56.93
Orange County \	Water District	
25544	June 2023 Postage for Water Use Efficiency rebate programs	54.91
Total		54.91
Total Choice Exp	nenditures enditures	5,676.03
Other Funds	Expenditures:	
Mission RCD		
3389 ***Total***	July 2023 Field inspection and verification for Water Use Efficiency rebate programs	5,802.68
Iotal		5,802.68
The Plant Nerd 7983	June 2023 Landscape Design and Landscape Maintenance Assistance Program	9,240.00
8036	July 2023 Landscape Design and Landscape Maintenance Assistance Program	12,120.00
Total		21,360.00
Santa Margarita		
16167-34238	June 2023 Services for Pressure Regulating Valve program	6,018.71
Total		6,018.71
TerraWorks Stud	lio July 2023 Landscape Design and Landscape Maintenance Assistance Program	5,325.00
*** Total ***	July 2023 Landscape Design and Landscape Maintenance Assistance Flogram	5,325.00
Total Other Fun	ds Expenditures	38,506.39
Total Expenditu	res	272,361.54

Municipal Water District of Orange County Disbursement Ratification Report For the Month of July 2023

Name/ Date	Check/ EFT	Invoice	Description	Amount
Core Disbu	ırsements	:		
Letty Aguilar 7/31/2023 ***Total***	EFT	60123	May-June 2023 Business expense	40.62 40.62
Tiffany Baca 7/31/2023 ***Total***	EFT	62223	June 2023 Business expense	131.57 131.57
Charles Bussi 7/31/2023 ***Total***	inger EFT	62323	June 2023 Business expense	53.23 53.23
Hilary Chump 7/31/2023 ***Total***	oitazi EFT	62123	June 2023 Business expense	81.50 81.50
Corodata Rec 7/31/2023 ***Total***	ords Manage EFT	ement Inc RS4922338	June 2023 Records Storage Fee	65.14 65.14
Rachel Davis 7/31/2023 ***Total***	EFT	71423	July 2023 Business expense	425.34 425.34
Harvey De La 7/31/2023 ***Total***	Torre EFT	62723	June 2023 Business expense	295.50 295.50
Larry Dick 7/31/2023 ***Total***	EFT	62223	June 2023 Business expense	91.72 91.72
Tina Jocelyn I 7/31/2023 7/31/2023 ***Total***	Fann EFT EFT	53123 62623	May 2023 Business expense June 2023 Business expense	46.09 46.09 92.18
Sam Fetter 7/31/2023 7/31/2023 ***Total***	EFT EFT	51923 61523	01/19/23-05/05/23 Education reimbursement May-June 2023 Business expense	2,700.22 101.30 2,801.52

Name/	Check/			
Date	EFT	Invoice	Description	Amount
Robert McVic		C2222	tune 2022 Business eveness	37.34
7/31/2023 ***Total***	EFT	62223	June 2023 Business expense	37.34
*** i otai				57154
Al Nederhood	J			
7/31/2023	EFT	62223	June 2023 Business expense	182.73
Total				182.73
Judy Roberts				
7/31/2023	EFT	62223	June 2023 Business expense	55.53
Total				55.53
Alana Salas-Y		62222	luna 2022 Purinare aynansa	17.68
7/31/2023	EFT	62223 72123	June 2023 Business expense July 2023 Business expense	13.76
7/31/2023 ***Total***	EFT	/2123	July 2023 Business expense	31.44
Total				
Megan Yoo S	chneider			
7/31/2023	EFT	51823	May 2023 Business expense	330.00
7/31/2023	EFT	61523	June 2023 Business expense	197.24
Tota!				527.24
City of Seal B	each			
7/31/2023	142509	72023	Refund 07/20/23 Water Loss Control Technical	10,120.00
			Assistance check issued in error	
Total				10,120.00
w.de.dad				
Karl Seckel 7/31/2023	EFT	62223	June 2023 Business expense	60.26
Total	EFI	02223	Julie 2023 Busiliess Experies	60.26
Total				
Nathan Shep	herd			
7/31/2023	EFT	62223	June 2023 Business expense	51.82
Total				51.82
Spectrum Bu	siness			
7/14/2023	142410	343564071023	July 2023 Telephone expense for one fax line	39.99
7/05/2023	142399	375210063023	July 2023 Telephone and internet expense	1,721.26
Total				1,761.25

Name/ Date	Check/ EFT	Invoice	Description	Amount
Jeffery Thoma	26			
7/31/2023	eFT	13123	January 2023 Business expense	15.72
7/31/2023	EFT	22323	February 2023 Business expense	116.60
7/31/2023	EFT	32423	March 2023 Business expense	112.66
7/31/2023 7/31/2023	EFT	42923	April 2023 Business expense	137.55
7/31/2023	EFT	51723	May 2023 Business expense	832,44
7/31/2023	EFT	62323	June 2023 Business expense	85.15
		70623	Computer loan program	1,156.77
7/31/2023 ***Total***	EFT	70023	Computer loan program	2,456.89
US Bank				
7/14/2023	142411	2978/4192/8910-JUN23	05/23/23-06/22/23 Cal Card Charges	20,829.22
Total	2.2.22	2010, 1222, 122 222	.,,	20,829.22
Verizon Wire	less			
7/05/2023	142400	9937995860	June 2023 4G Mobile broadband unlimited service	114.03
Total				114.03
Katie Vincent				20.00
7/31/2023	EFT	62223	June 2023 Business expense	29.09
Total				29.09
Total Core Di	sbursement	s		40,335.16
Choice Dis	bursemei	nts:		
Joseph Berg				
7/31/2023	EFT	72623	July 2023 Business expense	60.00
Total				60.00
Rachel Davis				9.00.00
7/31/2023	EFT	62923	June 2023 Business expense	249.00
7/31/2023	EFT	72623	July 2023 Business expense	128.23
Total				377.23
Tina Jocelyn I				A
7/31/2023	EFT	53123	May 2023 Business expense	37.01
7/31/2023	EFT	62623	June 2023 Business expense	24.63
Tota!				61.64
US Bank Voya			05/25/22 06/24/22 Eval for Water Leas Control	703.12
7/31/2023	EFT	8694349932325	05/25/23-06/24/23 Fuel for Water Loss Control Shared Services vehicles	
Total				703.12
Total Choice	Disburseme	nts		1,201.99

Name/	Check/	Invoice	Description	Amount
Date	EFT	Misoice	Description	711100111
Other Fun	ds Disburs	ements:		
AT&T				
7/14/2023	142403	20147355	June 2023 Telephone expense for WEROC Primary &	488.84
			N. EOC	
Total				488.84
Metropolitan	Water Distric	ct .		
7/31/2023	EFT073123		May 2023 Water deliveries	8,827,529.24
Total				8,827,529.24
Canta Marga	rita Watar Dic	trint		
Santa Margai 7/31/2023	EFT	53123	May 2023 SCP Operation Surcharge	24,591.74
Total	Lii	JJ123	may 2020 Sci. Sportdown tarking	24,591.74
Santiago Aqu				
7/31/2023	142508	53123	May 2023 SAC Pipeline Operation Surcharge	1,623.81
Total				1,623.81
Spray to Drip	Rebate			
7/28/2023	142495	S2D5-C-IRWD-4463-18520	The Oaks at Lake Forest HOA (Lake Forest)	5,458.40
7/28/2023	142477	S2D5-C-MNT-26835-19028	Palm Court at Laguna Heights Condo Assn (Laguna Niguel)	16,956.10
7/28/2023	142451	S2D5-R-FV-42454-18684	B. Kwak	536.50
7/28/2023	142455	S2D5-R-HB-47290-18850	J. Lerner	690.00
7/28/2023	142439	S2D6-C-IRWD-48954-19267	Good Shepherd Lutheran Church (Irvine)	12,640.00
7/28/2023	142453	S2D6-C-MNT-49709-19649-PA	City of Laguna Hills (1 Alameda E/S)	8,333.50
7/28/2023	142485	S2D6-C-NWPT-43049-26093	Shore Cliffs Property Owners Assoc (Corona Del Mar)	3,519.00
7/28/2023	142491	S2D6-C-SM-50880-20682	So Cal Self Storage (Rancho Santa Margarita)	3,932.00
7/28/2023	142424	S2D6-R-ETWD-41795-17910	M. Cera	705.00
7/28/2023	142444	S2D6-R-ETWD-51122-21878	D. Jaeger	1,011.75
7/28/2023	142481	S2D6-R-FV-48940-19630	M. Sarai	1,151.23
7/28/2023	142431	S2D6-R-HB-51141-21872	J. Diamond	1,209.50
7/28/2023	142429	S2D6-R-IRWD-49770-20698	D. Covel	836.80
7/28/2023	142458	S2D6-R-IRWD-50986-21857	R. Lumsdaine	946.40
7/28/2023	142449	S2D6-R-IRWD-51004-21751	G. Kubota	612.00 372.80
7/28/2023	142433	S2D6-R-IRWD-51043-21916	D. Dinescu	416.00
7/28/2023	142488	S2D6-R-IRWD-51425-21943	J. Skrinskus	657.60
7/28/2023	142448	S2D6-R-IRWD-51432-21990	P. Kelly	635.00
7/28/2023	142469	S2D6-R-MESA-48613-19331	B. Morgan J. Webb	974.50
7/28/2023	142501	S2D6-R-MESA-50908-20695 S2D6-R-O-46997-21802	D. Ezra	895.00
7/28/2023	142436	S2D6-R-O-46997-21802 S2D6-R-SM-49836-19641	G. Montevideo	972.50
7/28/2023	142466	S2D6-R-5W-49836-19641 S2D6-R-TUST-47815-19516	K. Kazarian	422.50
7/28/2023	142446 142418	S2D6-R-TUST-51154-21880	M. Biller	924.50
7/28/2023	142418	3200-K-1031-31134-51000	III. Direct	525

Date EFT Invoice Description Amount 7/188/2023 142471 S2D6-R-WEST-49314-19369 D. Nguyen 714.50 7/188/2023 142421 S2D6-R-VLWD-51570-22031 L Capen 367.50 ****Total**** ************************************	Name/	Check/			
7/28/2023 142471 S2D6-R-WEST-49314-19369 D. Nguyen 714.50 7/28/2023 142421 S2D6-R-YLWD-51570-22031 J. Capen 367.50 ***********************************			Invoice	Description	Amount
7/28/2023 142471 S2D6-R-WEST-49314-19369 D. Nguyen 714.50 7/28/2023 142421 S2D6-R-YLWD-51570-22031 J. Capen 367.50 ***********************************		· · · · · · · · · · · · · · · · · · ·			
7/28/2023 142421 \$206-R-YLWD-51570-22931 J. Capen 367.50 ***Total*** ***Total*** 529.68 Turf Rebate ***Total*** ***Total*** ***Total*** ***Total**** ***Total**** ***Total**** ***Total**** ***Total**** ***Total**** ***Total**** ***Total**** ***Total***** ***Total***** ***Total***** ***Total******** ***Total************************************					74.50
Turf Rebate 7/28/2023 142496 TR15-C-IRWD-4463-44956 The Oaks at Lake Forest HOA (Lake Forest) 26,272.67 7/28/2023 142428 TR15-C-MS5A-47033-45644 CJ Segerstrom & Sons (Costa Mesa) 23,408.00 7/28/2023 142478 TR15-C-MS5A-47033-45644 CJ Segerstrom & Sons (Losta Mesa) 23,408.00 7/28/2023 142499 TR15-R-BP-47253-45848 M. Vilncent Algorithm of Miguel) 7/28/2023 142490 TR15-R-EV-407937-46543 J. Waterson 7,767.00 7/28/2023 142452 TR15-R-FV-42454-41160 B. Kwak 1,527.00 7/28/2023 142452 TR15-R-FV-47976-46549 J. Shepard IV 7,149.00 7/28/2023 142443 TR15-R-FV-47976-46549 J. Shepard IV 7,149.00 7/28/2023 142447 TR15-R-DUST-47815-46397 D. Ezra 4,050.00 7/28/2023 142447 TR15-R-FV-47916-46311 C. Silverman 1,692.00 7/28/2023 142447 TR15-R-WS-47481-46311 C. Silverman 1,500.00 7/28/2023 142447 TR15-R-WS-47818-46311 C. Silverman 15,000.00 7/28/2023 142447 TR15-R-WS-47818-46311 C. Silverman 15,000.00 7/28/2023 142447 TR15-R-WS-48408 TR16-C-MNT-39709-48251-PA (Lifv of Laguna Hills (1 Alamda E/S) 40,652.50 7/28/2023 142445 TR16-C-NWPT-38663-48716 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142456 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 11,938.00 7/28/2023 142457 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 11,380.00 7/28/2023 142456 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 11,380.00 7/28/2023 142456 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 11,380.00 7/28/2023 142457 TR16-C-NWPT-38663-47762 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142457 TR16-C-SOCO-44991-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142457 TR16-R-BREA-5990-49457 North Bluff Park (Newport Beach) 19,326.00 7/28/2023 142457 TR16-R-BREA-5990-49457 North Bluff Park (Newport Beach) 19,326.00 7/28/2023 142457 TR16-R-BREA-5990-49457 North Bluff Park (Newport Beach) 19,326.00 7/28/2023 142457 TR16-R-BREA-5990-49457 North Bluff Park (Newport Beach) 19,326.00 7/28/2023 142457 TR16-R-BREA-					
Turf Rebate 7/78/2023 142496 TR15-C-IRWD-4463-44956 The Oaks at Lake Forest HOA (Lake Forest) 26,272.67 7/28/2023 142478 TR15-C-MESA-47033-45644 CJ Segerstrom & Sons (Costa Mesa) 23,408.00 7/28/2023 142478 TR15-C-MNT-26835-46586 Palm Court at Laguna Heights Condo Assn (Laguna 73,323.64 Niguel) 7/28/2023 142499 TR15-R-BP-47253-45848 M. Vincent 4,701.00 7/28/2023 142450 TR15-R-FC/CWD-47937-46543 J. Waterson 7,767.00 7/28/2023 142452 TR15-R-FV-42454-41160 B. Kwak 1,527.00 7/28/2023 142455 TR15-R-HB-472590-45892 J. Lerner 1,111.00 7/28/2023 142456 TR15-R-HB-47259-45892 J. Lerner 1,111.00 7/28/2023 142447 TR15-R-HB-47259-45892 J. Lerner 1,110.00 7/28/2023 142447 TR15-R-WEST-44457-46397 K. Kazarian 1,692.00 7/28/2023 142494 TR15-R-WEST-446311 C. Silverman 15,000.00 7/28/2023 142447 TR15-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142447 TR16-C-IMNT-38663-48116 Flores Los Allisos HOA (Aliso Vielo) 18,270.00 7/28/2023 142447 TR16-C-MNT-38663-48116 Flores Los Allisos HOA (Aliso Vielo) 18,270.00 7/28/2023 142441 TR16-C-MNT-38663-48116 Flores Los Allisos HOA (Aliso Vielo) 1,898.00 7/28/2023 142445 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142446 TR16-C-NWPT-38663-44762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142465 TR16-C-NWPT-3463-49495 Kore Cliffs Property Owners Assoc (Corona Del Mar) 1,1,320.00 7/28/2023 142465 TR16-C-SW-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142465 TR16-C-SW-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 1,1,860.00 7/28/2023 142465 TR16-R-B-49537-48055 S. Anne 1,2,540.00 7/28/2023 142445 TR16-R-BR-49537-48055 S. Anne 1,2,540.00 7/28/2023 142445 TR16-R-BR-49537-48055 S. Anne 1,2,540.00 7/28/2023 142445 TR16-R-BR-49537-48055 M. Cera 1,2,640.00 7/28/2023 142445 TR16-R-BR-49537-48055 S. Anne 1,2,620.00 7/28/2023 142445 TR16-R-BR-49537-48055 S. Anne 1,2,540.00 7/28/2023 142445 TR16-R-BR-49537-48055 M. Anderson 4,863.00 7/28/2023 142445 TR16-R		142421	S2D6-R-YLWD-51570-22031	J. Capen	
7/28/2023 142496 TR15-C-IRWD-4463-44956 The Oaks at Lake Forest HOA (Lake Forest) 26,272.67 7/28/2023 142428 TR15-C-MESA-47033-45644 CI Segerstrom & Sons (Costa Mesa) 23,408.00 7/28/2023 142499 TR15-C-MESA-47033-45848 M. Ount at Laguna Heights Condo Assn (Laguna 7,323.64 7/28/2023 142499 TR15-R-BP-47253-45848 M. Vincent 4,701.00 7/28/2023 142452 TR15-R-FV-42454-41160 B. Kwak 1,527.00 7/28/2023 142483 TR15-R-PV-42796-46549 J. Shepard IV 7,149.00 7/28/2023 142456 TR15-R-HB-47290-45892 J. Lerner 1,110.00 7/28/2023 142447 TR15-R-TUST-47815-46397 K. Kazarian 1,692.00 7/28/2023 142447 TR15-R-WEST-44427-43075 B. Tanner 2,184.00 7/28/2023 142447 TR15-R-WEST-4425-45124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142417 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142417 TR16-C-WWPT-38663-48116	***Total***				65,890.58
7/28/2023 142496 TR15-C-IRWD-4463-44956 The Oaks at Lake Forest HOA (Lake Forest) 26,272.67 7/28/2023 142428 TR15-C-MESA-47033-45644 CJ Segerstrom & Sons (Costa Mesa) 23,408.00 7/28/2023 142499 TR15-R-BP-47253-45848 M. Ount at Laguna Heights Condo Assn (Laguna 7,323.64 7/28/2023 142499 TR15-R-BP-47253-45848 M. Vincent 4,701.00 7/28/2023 142452 TR15-R-FV-42454-41160 B. Kwak 1,527.00 7/28/2023 142483 TR15-R-PV-4276-46549 J. Shepard IV 7,149.00 7/28/2023 142456 TR15-R-HB-47290-45892 J. Lerner 1,110.00 7/28/2023 142447 TR15-R-TUST-47815-46397 K. Kazarian 1,692.00 7/28/2023 142447 TR15-R-TUST-47815-46397 K. Kazarian 1,692.00 7/28/2023 142447 TR15-R-VWD-474243-43075 B. Tanner 1,500.00 7/28/2023 142417 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142417 TR16-C-WWT-38663-48716 Flores Los Ali	Tour Dahasa				
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7/28/2023 142478 TR15-C-MNT-26835-46586 Palm Court at Laguna Heights Condo Assn (Laguna 73,323.64 Niguel) 7/28/2023 142490 TR15-R-BP-47253-45848 M. Vincent 4,701.00 7/28/2023 142500 TR15-R-ECCWD-47937-46543 J. Waterson 7,767.00 7/28/2023 142452 TR15-R-FV-42454-41160 B. Kwak 1,527.00 7/28/2023 142456 TR15-R-HB-47290-45892 J. Lerner 1,110.00 7/28/2023 142457 TR15-R-HB-47290-45892 J. Lerner 1,110.00 7/28/2023 142447 TR15-R-TUST-47815-46397 K. Kazarian 1,692.00 7/28/2023 142447 TR15-R-WEST-44427-43075 B. Tanner 2,184.00 7/28/2023 142447 TR15-R-VWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142438 TR16-C-MNT-38663-48116 Flores Los Alisos HOA (Aliso Viejo) 18,270.00 7/28/2023 142454 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142465 TR16-C-NWPT-38463-49495 North Bluff					•
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7/28/2023 142500 TR15-R-EOCWD-47937-46543 J. Waterson 7,767.00 7/28/2023 142452 TR15-R-FV-42454-41160 B. Kwak 1,527.00 7/28/2023 142433 TR15-R-FV-42976-46549 J. Shepard IV 7,149.00 7/28/2023 142456 TR15-R-HB-47290-45892 J. Lerner 1,110.00 7/28/2023 142437 TR15-R-O-46997-45607 D. Ezra 4,050.00 7/28/2023 142447 TR15-R-VUEST-44815-46397 K. Kazarian 1,692.00 7/28/2023 142447 TR15-R-VUEST-44427-43075 B. Tanner 2,184.00 7/28/2023 142447 TR15-R-VLWD-47724-46311 C. Silverman 15,000.00 7/28/2023 142447 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142445 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142445 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,800.00 7/28/2023 142441 TR16-C-NWPT-38663-47162 Harbor View Knoll Community Assn (Newport Beach	7/28/2023	142499	TR15-R-BP-47253-45848		4,701.00
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7/28/2023 142456 TR15-R-HB-47290-45892 J. Lerner 1,110.00 7/28/2023 142437 TR15-R-O-46997-45607 D. Ezra 4,050.00 7/28/2023 142447 TR15-R-UST-47815-46397 K. Kazarian 1,692.00 7/28/2023 142494 TR15-R-WEST-44427-43075 B. Tanner 2,184.00 7/28/2023 142487 TR15-R-YLWD-47724-46311 C. Silverman 15,000.00 7/28/2023 142487 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142438 TR16-C-MNT-38663-48116 Flores Los Alisos HOA (Aliso Viejo) 18,270.00 7/28/2023 142454 TR16-C-MNPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142441 TR16-C-NWPT-43049-49468 Shore Cliffs Property Owners Assoc (Corona Del Mar) 11,320.00 7/28/2023 142455 TR16-C-NWPT-4463-49495 North Bluff Park (Newport Beach) 2,358.00 7/28/2023 142465 TR16-C-O-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 142465					
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7/28/2023 142494 TR15-R-WEST-44427-43075 B. Tanner 2,184.00 7/28/2023 142487 TR15-R-YLWD-47724-46311 C. Silverman 15,000.00 7/28/2023 142417 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142438 TR16-C-MNT-38663-48116 Flores Los Alisos HOA (Aliso Viejo) 18,270.00 7/28/2023 142454 TR16-C-MNT-49709-48251-PA City of Laguna Hills (1 Alamda E/S) 40,652.50 7/28/2023 142441 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142486 TR16-C-NWPT-43049-49468 Shore Cliffs Property Owners Assoc (Corona Del Mar) 11,320.00 7/28/2023 142475 TR16-C-NWPT-4463-49495 North Bluff Park (Newport Beach) 2,358.00 7/28/2023 142465 TR16-C-SWPT-44408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 142465 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-R-BP-49537-48055 S. Anne 2,354.14			TR15-R-TUST-47815-46397		1,692.00
7/28/2023 142487 TR15-R-YLWD-47724-46311 C. Silverman 15,000.00 7/28/2023 142417 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142438 TR16-C-MNT-38663-48116 Flores Los Alisos HOA (Aliso Viejo) 18,270.00 7/28/2023 142454 TR16-C-MNT-49709-48251-PA City of Laguna Hills (1 Alamda E/S) 40,652.50 7/28/2023 142441 TR16-C-NWPT-43664-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142475 TR16-C-NWPT-43049-49468 Shore Cliffs Property Owners Assoc (Corona Del Mar) 11,320.00 7/28/2023 142426 TR16-C-NWPT-4463-49495 North Bluff Park (Newport Beach) 2,358.00 7/28/2023 142426 TR16-C-O-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 14245 TR16-C-SOCO-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 14246 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142416 TR16-R-BREA-50900-49457 I. Shin			TR15-R-WEST-44427-43075	B. Tanner	2,184.00
7/28/2023 142417 TR16-C-IRWD-49605-48124 Arborlake Maintenance Assn (Irvine) 1,690.00 7/28/2023 142438 TR16-C-MNT-38663-48116 Flores Los Alisos HOA (Aliso Viejo) 18,270.00 7/28/2023 142454 TR16-C-MNT-49709-48251-PA City of Laguna Hills (1 Alamda E/S) 40,652.50 7/28/2023 142441 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142485 TR16-C-NWPT-43649-49468 Shore Cliffs Property Owners Assoc (Corona Del Mar) 11,320.00 7/28/2023 142475 TR16-C-NWPT-4463-49495 North Bluff Park (Newport Beach) 2,358.00 7/28/2023 142426 TR16-C-O-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 142465 TR16-C-SM-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142476 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-C-SOCO-49081-47607 Summer Place HOA (San Clemente) 11,860.00 7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 <td< td=""><td></td><td></td><td>TR15-R-YLWD-47724-46311</td><td>C. Silverman</td><td>15,000.00</td></td<>			TR15-R-YLWD-47724-46311	C. Silverman	15,000.00
7/28/2023 142438 TR16-C-MNT-38663-48116 Flores Los Alisos HOA (Aliso Viejo) 18,270.00 7/28/2023 142454 TR16-C-MNT-49709-48251-PA City of Laguna Hills (1 Alamda E/S) 40,652.50 7/28/2023 142441 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142486 TR16-C-NWPT-43049-49468 Shore Cliffs Property Owners Assoc (Corona Del Mar) 11,320.00 7/28/2023 142475 TR16-C-NWPT-4463-49495 North Bluff Park (Newport Beach) 2,358.00 7/28/2023 142466 TR16-C-O-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 142465 TR16-C-SM-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142476 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142416 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142455 TR16-R-ETWD-51122-49708 D. Jaeger 4,804.00 </td <td></td> <td></td> <td>TR16-C-IRWD-49605-48124</td> <td>Arborlake Maintenance Assn (Irvine)</td> <td>1,690.00</td>			TR16-C-IRWD-49605-48124	Arborlake Maintenance Assn (Irvine)	1,690.00
7/28/2023 142454 TR16-C-MNT-49709-48251-PA City of Laguna Hills (1 Alamda E/S) 40,652.50 7/28/2023 142441 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142486 TR16-C-NWPT-43049-49468 Shore Cliffs Property Owners Assoc (Corona Del Mar) 11,320.00 7/28/2023 142475 TR16-C-NWPT-4463-49495 North Bluff Park (Newport Beach) 2,358.00 7/28/2023 142426 TR16-C-O-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 142465 TR16-C-SM-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142476 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-C-SOCO-49081-47607 Summer Place HOA (San Clemente) 11,860.00 7/28/2023 142416 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142485 TR16-R-ETWD-41795-46896 M. Cea 4,232.00			TR16-C-MNT-38663-48116	Flores Los Alisos HOA (Aliso Viejo)	18,270.00
7/28/2023 142441 TR16-C-NWPT-38663-47762 Harbor View Knoll Community Assn (Newport Beach) 16,988.00 7/28/2023 142486 TR16-C-NWPT-43049-49468 Shore Cliffs Property Owners Assoc (Corona Del Mar) 11,320.00 7/28/2023 142475 TR16-C-NWPT-4463-49495 North Bluff Park (Newport Beach) 2,358.00 7/28/2023 142426 TR16-C-O-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 142465 TR16-C-SM-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142476 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-C-SOCO-49081-47607 Summer Place HOA (San Clemente) 11,860.00 7/28/2023 142416 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142444 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 14245 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 14245 TR16-R-HB-49042-47576 A. Macias 2,325.0		142454	TR16-C-MNT-49709-48251-PA	City of Laguna Hills (1 Alamda E/S)	40,652.50
7/28/2023 142475 TR16-C-NWPT-4463-49495 North Bluff Park (Newport Beach) 2,358.00 7/28/2023 142426 TR16-C-O-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 142465 TR16-C-SM-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142476 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-C-SOCO-49081-47607 Summer Place HOA (San Clemente) 11,860.00 7/28/2023 142416 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142457 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142427 <td< td=""><td></td><td>142441</td><td>TR16-C-NWPT-38663-47762</td><td>Harbor View Knoll Community Assn (Newport Beach)</td><td>16,988.00</td></td<>		142441	TR16-C-NWPT-38663-47762	Harbor View Knoll Community Assn (Newport Beach)	16,988.00
7/28/2023 142426 TR16-C-O-48275-48408 Chapman University (375 N Glassell St) 5,662.00 7/28/2023 142465 TR16-C-SM-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142476 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-C-SOCO-49081-47607 Summer Place HOA (San Clemente) 11,860.00 7/28/2023 142416 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-4962-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 <td></td> <td>142486</td> <td>TR16-C-NWPT-43049-49468</td> <td>Shore Cliffs Property Owners Assoc (Corona Del Mar)</td> <td>11,320.00</td>		142486	TR16-C-NWPT-43049-49468	Shore Cliffs Property Owners Assoc (Corona Del Mar)	11,320.00
7/28/2023 142465 TR16-C-SM-44331-48219 Mission Viejo Emerald Pointe HOA (Mission Viejo) 31,838.00 7/28/2023 142476 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-C-SOCO-49081-47607 Summer Place HOA (San Clemente) 11,860.00 7/28/2023 142416 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo	7/28/2023	142475	TR16-C-NWPT-4463-49495	North Bluff Park (Newport Beach)	2,358.00
7/28/2023 142476 TR16-C-SOCO-44091-49593 Old Mill Pond HOA (Capistrano Beach) 19,326.00 7/28/2023 142493 TR16-C-SOCO-49081-47607 Summer Place HOA (San Clemente) 11,860.00 7/28/2023 142416 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142426	TR16-C-O-48275-48408	Chapman University (375 N Glassell St)	5,662.00
7/28/2023 142493 TR16-C-SOCO-49081-47607 Summer Place HOA (San Clemente) 11,860.00 7/28/2023 142416 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142465	TR16-C-SM-44331-48219	Mission Viejo Emerald Pointe HOA (Mission Viejo)	31,838.00
7/28/2023 142416 TR16-R-BP-49537-48055 S. Anne 2,354.14 7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142476	TR16-C-SOCO-44091-49593	Old Mill Pond HOA (Capistrano Beach)	19,326.00
7/28/2023 142484 TR16-R-BREA-50900-49457 I. Shin 899.11 7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142493	TR16-C-SOCO-49081-47607	Summer Place HOA (San Clemente)	11,860.00
7/28/2023 142425 TR16-R-ETWD-41795-46896 M. Cera 1,804.00 7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142416	TR16-R-BP-49537-48055	S. Anne	2,354.14
7/28/2023 142445 TR16-R-ETWD-51122-49708 D. Jaeger 4,232.00 7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142484	TR16-R-BREA-50900-49457	1. Shin	899.11
7/28/2023 142482 TR16-R-FV-48940-47464 M. Sarai 4,692.00 7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142425	TR16-R-ETWD-41795-46896	M. Cera	1,804.00
7/28/2023 142457 TR16-R-HB-48627-47217 C. Loverme 1,941.63 7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142445	TR16-R-ETWD-51122-49708	D. Jaeger	4,232.00
7/28/2023 142460 TR16-R-HB-49042-47576 A. Macias 2,325.00 7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142482	TR16-R-FV-48940-47464	M. Sarai	4,692.00
7/28/2023 142415 TR16-R-HB-49375-49912 M. Anderson 4,863.00 7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142457	TR16-R-HB-48627-47217	C. Loverme	1,941.63
7/28/2023 142427 TR16-R-HB-49382-47900 E. Chien 1,539.00 7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142460	TR16-R-HB-49042-47576	A. Macias	2,325.00
7/28/2023 142435 TR16-R-HB-49497-48015 S. Doo 2,832.00	7/28/2023	142415	TR16-R-HB-49375-49912	M. Anderson	4,863.00
	7/28/2023	142427	TR16-R-HB-49382-47900	E. Chien	1,539.00
	7/28/2023	142435	TR16-R-HB-49497-48015	S. Doo	2,832.00
7/28/2023 142464 TR16-R-HB-49817-48358 M. Mimbella Jr 2,775.00	7/28/2023	142464	TR16-R-HB-49817-48358		
7/28/2023 142498 TR16-R-HB-51024-49751 L. Varnadore 1,767.00		142498	TR16-R-HB-51024-49751		
7/28/2023 142432 TR16-R-HB-51141-49727 J. Diamond 6,813.00		142432			
7/28/2023 142480 TR16-R-IRWD-49102-47627 B. Rosenberg 1,450.00		142480	TR16-R-IRWD-49102-47627	-	
7/28/2023 142468 TR16-R-IRWD-49609-48157 H. Moon 1,580.19					
7/28/2023 142490 TR16-R-IRWD-50964-49530 B. Sloan 2,295.00					
7/28/2023 142459 TR16-R-IRWD-50986-49714 R. Lumsdaine 3,755.00	7/28/2023	142459	TR16-R-IRWD-50986-49714	R. Lumsdaine	3,755.00

Name/	Check/			20 80
Date	EFT	Invoice	Description	Amount
Turf Rebate -		TR16 B IRWD E1004 40576	G. Kubota	3,390.00
7/28/2023	142450	TR16-R-IRWD-51004-49576	D. Dinescu	1,270.00
7/28/2023	142434	TR16-R-IRWD-51043-49623	J. Skrinskus	1,160.00
7/28/2023	142489	TR16-R-IRWD-51425-49871		1,780.32
7/28/2023	142419	TR16-R-IRWD-51442-49888	M. Bonilla	1,940.00
7/28/2023	142420	TR16-R-IRWD-51457-49921	S. Branson	1000 E 1000 C 10
7/28/2023	142503	TR16-R-IRWD-51477-49936	X. Zhang	3,665.00
7/28/2023	142474	TR16-R-LH-49640-48162	R. Nitti	4,005.00
7/28/2023	142462	TR16-R-MESA-46752-46964	A. Marr	2,889.00
7/28/2023	142470	TR16-R-MESA-48613-47139	B. Morgan	3,624.00
7/28/2023	142502	TR16-R-MESA-50908-49469	J. Webb	4,263.00
7/28/2023	142414	TR16-R-MESA-51046-49627	D. Andersen	4,125.00
7/28/2023	142443	TR16-R-MNT-49802-48341	N. Hoover	2,292.00
7/28/2023	142479	TR16-R-MNT-49834-48378	E. Quinlan	2,148.00
7/28/2023	142492	TR16-R-MNT-51022-49594	S. Solomon	5,868.94
7/28/2023	142423	TR16-R-O-48605-47130	M. Catron	1,365.00
7/28/2023	142430	TR16-R-O-51035-49617	W. Dalin	2,544.00
7/28/2023	142442	TR16-R-SC-51393-49846	D. Henderson	1,800.00
7/28/2023	142473	TR16-R-SM-48881-47407	H. Nguyen	3,006.00
7/28/2023	142440	TR16-R-SM-49520-48042	L. Greene	1,911.00
7/28/2023	142467	TR16-R-SM-49771-48317	G. Montevideo	3,033.00
7/28/2023	142497	TR16-R-SOCO-48948-47471	M. Thomas	6,663.00
7/28/2023	142472	TR16-R-WEST-49314-47832	D. Nguyen	3,888.00
7/28/2023	142463	TR16-R-WEST-50877-49438	A. McFarlin	2,403.00
7/28/2023	142461	TR16-R-YLWD-48677-47203	M. Mangold	1,674.00
7/28/2023	142422	TR16-R-YLWD-51570-50027	J. Capen	1,800.00
Total			NOTES SIGN AFRICANCE.	448,573.14
US Bank				
7/14/2023	142411	6066-JUN23	05/23/23-06/22/23 Cal Card Charges	3,457.27
Total				3,457.27
Verizon Wire	less			
7/05/2023	142400	9937995860	June 2023 4G Mobile broadband unlimited service	76.02
Total				76.02
Total Other F	unds Disbur	sements		9,372,230.64
				0 412 767 76
Total Disburs	ements			9,413,767.79

Harvey De La Torre, Interim General Manager

Hilary Chumpitazi, Treasurer

Cal Card Charges Statement Date: June 22, 2023 Payment Date: July 14, 2023

Date	Description	Amount
Administration	on Card:	
5/15/2023	Fed Ex shipping charge on 05/15/23	11.56
5/23/2023	Small LCD monitor for conference room 101	157.24
5/24/2023	Two Laptop docking stations	410.70
5/24/2023	Tanaka Farms veggie baskets for 8 staff members from JPIA Wellness Grant	312.00
5/24/2023	04/25/23-05/24/23 Web hosting service for Mwdoc.com	15.52
5/24/2023	05/25/2023 Board & Brew lunch for Member Managers Meeting	290.00
5/24/2023	Two wired headsets and earbuds for staff	75.16
5/25/2023	LA Times annual digital subscription	103.48
5/30/2023	Three Laptop docking stations	570.90
5/30/2023	Four Dell 24" monitors for staff	805.32
5/31/2023	Two Dell Latitude laptops for new staff	2,025.45
5/31/2023	USB-A to USB-C adapters for WUE intern docking stations	18.58
5/31/2023	Administration Team building lunch	86.02
6/01/2023	Banner, boards, and sign for Westminster Pocket Park Grand Opening	505.88
6/05/2023	Two wired headsets and two Laptop bags	129.09
6/05/2023	June 2023 Public Storage Unit for Public Affairs	485.00
6/06/2023	Hootsuite Professional Editorial calendar and social media manager annual membership for	950.40
	Public Affairs	
6/07/2023	Public Affairs team building lunch	105.35
6/07/2023	Website headshot photo make ups and retakes of MWDOC staff and board by Christopher Todd/Studios	1,337.97
6/07/2023	Five Windows 11 Pro Upgrade licenses	375.00
6/07/2023	Rechargeable battery for wireless microphone #9	159.81
6/08/2023	Under desk computer mount for conference room 101	59.79
6/09/2023	Postage to mail poster contest winner prize	12.30
6/10/2023	Domain annual renewal for OCWATERSURVEY.com	22.17
6/13/2023	06/22/23 Water Policy Forum & Dinner glass bottle engraving for speaker Ed Ring's gift	50.00
6/13/2023	Four Laptop docking stations	435.00
6/13/2023	Laptop Divider trays	52.13
6/13/2023	Flag Day lunch event on 06/14/23 from TK Burger	785.54
6/15/2023	Flowers from Mother Earth Florist	101.47
6/16/2023	Five Wired Headsets for staff	125.08
6/20/2023	06/22/23 Water Policy Forum & Dinner decorations	15.20
Total:		10,589.11

Cal Card Charges

Statement Date: June 22, 2023 Payment Date: July 14, 2023

Date	Description	Amount
Interim Gene	eral Manager Card:	
5/22/2023	General Manager Leadership Summit in Lake Tahoe, CA from June 24-27, 2023 - Credit issued for cancelled accommodations for H. De La Torre	(574.99)
5/24/2023	CSDA General Manager Leadership Summit in Lake Tahoe, CA from June 24-27, 2023 - Airfare for H. De La Torre	392.80
5/26/2023	Urban Water Institute Spring Water Conference in San Diego, CA from August 23-25, 2023 - Registration for D. Micalizzi, A. Heide, and Directors Crane, Nederhood and Thomas	2,975.00
5/31/2023	05/30-5/31/23 Meals for H. De La Torre's meetings	170.40
6/01/2023	CALWep Peer to Peer conference in Long Beach, CA from May 31 to June 2, 2023 - Accommodations for C. Johnson, M. Hurtado, L. Aguilar, and C. Castro	1,058.12
6/16/2023	CCEEB Summer Issues Seminar in Olympic Valley, CA from July 17-20, 2023 - Accommodations deposit for Director Yoo Schneider	325.70
6/18/2023	CSDA General Manager Leadership summit in Lake Tahoe, CA, from June 24-27, 2023 - Accommodations for H. De La Torre	625.11
6/19/2023	6/5 and 6/19/23 Meals for H. De La Torre's meetings	92.59
6/20/2023	CCEEB Summer Issues Seminar in Olympic Valley, CA from July 17-20, 2023 - Accommodations deposit for H. Baez	325.70
Total:		5,390.43
Public Affairs	Card:	
5/23/2023	Retractable tabletop banner for community events	155.16
5/24/2023	Books for 6/22/23 Water Policy Forum & Dinner attendees	1,224.00
5/30/2023	Biodegradable planting pots for Poster Contest Awards ceremony activity	31.47
5/30/2023	Replacement flyer holder for community events	107.66
5/31/2023	Wix three year subscription for website building and management	342.00
6/01/2023	Succulents and soil for Poster Contest Awards Ceremony activity	142.23
6/01/2023	Balloons for Poster Contest Awards Ceremony	16.18
6/01/2023	Food for Westminster Pocket Park opening event	93.00
6/02/2023	06/02/23-07/01/23 Zoom Video Communications fee with audio licenses	174.93
6/03/2023	Lunch for Poster Contest Awards Ceremony participants	2,563.05
Total:		4,849.68
WEROC Card	:	
5/24/2023	California Specialized Training Institute Emergency Management training and certificates	391.50
5/24/2023	California Specialized Training Institute Emergency Management training and certificates	391.50
5/30/2023	AWWA Education Seminar in Orange, CA on August 16, 2023 - Registration for J. Schunk	150.00
5/30/2023	AWWA Education Seminar in Orange, CA on August 16, 2023 - Registration for V. Osborn	125.00
6/01/2023	Folding whiteboard panel for EOC	1,741.03
6/03/2023	CSTI TTT Emergency Management Instructor Course in Sacramento, CA from June 3-11, 2023 - Accommodations for V. Osborn	579.49
6/03/2023	CSTI TTT Emergency Management Instructor Course in Sacramento, CA from June 3-11, 2023 - Accommodations for V. Osborn, correction to correct charged amount	(0.02)
6/05/2023	Cable covers for cable management in EOC	40.17
6/09/2023	CSTI TTT Emergency Management Instructor Course in Sacramento, CA from June 3-11, 2023 - Meal with guest for V. Osborn	38.60
Total:		3,457.27

Municipal Water District of Orange County GM Approved Disbursement Report ⁽¹⁾ For the Month of July 2023

Name/	Check/		Description	Amount
<u>Date</u>	EFT	Invoice	Description	Amount
Core Disbu	rsement	s:		
ACWA Joint P	owers Ins A	uth		
7/31/2023	EFT	INV014240	FY 2023-24 Cyber Liability Program premium	6,761.00
Total				6,761.00
Goin Native T	herapeutice	gardens		
7/31/2023	142507	FoB 23-02	Festival of the Butterflies sponsorship	2,500.00
Total				2,500.00
County of Ora	inge			
7/14/2023	EFT	GA23240059	FY 2023-24 LAFCO Costs	43,015.58
Total				43,015.58
Edward Ring				
7/14/2023	142409	71023	Reimburse travel expenses for 06/22/23 Water Policy Forum and Dinner	408.19
Total				408.19
Robert Half In	ternational	Inc		
7/31/2023	EFT	62306361	Finance temporary employee for week ending 07/14/23	864.00
Total				864.00
The Westin So	outh Coast I	Plaza		
7/31/2023	142511	84SC7018256	June 22, 2023 Water Policy Forum & Dinner final invoice from The Westin Hotel	18,925.16
Total			_	18,925.16
Tracker A Divi	ision of C2 L	LC		
7/31/2023	EFT	08-05318	Portfolio Accounting and Reporting annual subscription fee renewal	3,300.00
Total				3,300.00
Total Core Dis	bursement	s	-	75,773.93
Choice Dis	burseme	nts:		
Total Choice I	Disburseme	nts	-	•

Municipal Water District of Orange County GM Approved Disbursement Report ⁽¹⁾ For the Month of July 2023

Name/	Check/	Invoice	Description	Amount
Date	EFT	invoice	Description	Amount
Other Fun	ds Disbur	sements:		
Brightly Soft	ware Inc			
7/31/2023	EFT	INV-215306	Safety Center mobile program for WEROC's Member Agencies and MWDOC Staff from 08/01/23-12/31/23	4,226.06
Total				4,226.06
Total Other F	unds Disbur	sements	•	4,226.06
Total Disburs	sements			79,999.99

Harvey De La Torre, Interim 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.



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

Megan Yoo Schneider, P.E. President

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

> Randall Crane, Ph.D. Director

> > Larry D. Dick Director

Al Nederhood Director

Karl W. Seckel, P.E. Director

Jeffery M. Thomas Director

Harvey De La Torre Interim 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

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

June 30, 2023

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

Fund	Book Value	% of Portfolio
Restricted Reserves		
WEROC Operating Fund	\$346,438	3.36%
Designated Reserves		
Operating Reserves	\$5,675,047	55.14%
Election Reserve	461,678	4.49%
OPEB Reserve	297,147	2.89%
Total Designated Reserves	\$6,433,872	62.52%
General Operations Fund	\$4,167,555	40.50%
Water Purchase Payments Fund	301,055	2.93%
Conservation Fund	(976,238)	(9.49%)
Trustee Activities - AMP	18,673	0.18%
Total Other Funds	\$3,511,045	34.12%
Total	\$10,291,355	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	1.28%	\$131,561	\$131,561
Short-term investment			
LAIF	28.61%	2,943,876	2,943,876
 OCIP 	39.99%	4,115,983	4,115,983
Long-term investment			
 US Government Issues 	2.43%	249,935	223,945
 Corporate Bond 	11.66%	1,200,000	1,073,835
 Certificates of Deposit 	16.03%	1,650,000	1,578,107
Total	100.00%	\$10,291,355	\$10,067,307

The average number of days to maturity/call as of June 30, 2023 equaled 154 and the average yield to maturity is 3.077%. During the month, the District's average daily balance was \$16,091,758.42. Funds were invested in US Bank Checking Account, Negotiable Certificate of Deposits, Corporate Bonds, US Government Issues, Local Agency Investment Funds (LAIF) and Orange County Investment Pool (OCIP) during the month of June 2023.

The (\$224,048) difference between the book value and the market value on June 30, 2023 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.

Harvey De La Torre

Interim General Manager

Hilary Chumpitazi
Treasurer _

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MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Portfolio Management - Portfolio Summary

June 30, 2023

6/30/2023	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Negotiable Certificate Of Deposit	1,650,000.00	1,578,107.00	1,650,000.00	16.24	678	2.762
Corporate Bond	1,200,000.00	1,073,835.00	1,200,000.00	11.81	357	1.518
US Government Issues	250,000.00	223,945.00	249,934.95	2.46	57	0.860
Local Agency Investment Funds	2,943,875.66	2,943,875.66	2,943,875.66	28.98	н	3.161
Orange County Investment Pool	4,115,983.11	4,115,983.11	4,115,983.11	40.51	н	3.732
Total Investments	10,159,858.77	9,935,745.77	10,159,793.72	100.00	154	3.077
Cash						
Cash	131,561.11	131,561.11	131,561.11		1	0.00
Total Cash and Investments	10,291,419.88	10,067,306.88	10,291,354.83		154	3.077
Total Earnings	Month Ending June	Fiscal Year to Date				

8 Date Harvey De La Torre, Interim General Manager flow liquidity to meet the next six month's compliance exceptions to report.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Portfolio Management Long-Term Portfolio Details - Investments June 30, 2023

Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Negotiable Certificate Of Deposit									
American Express Bank	02589ADE9	7/20/2022	200,000.00	185,810.00	200,000.00	3.350	3,350	1,481	7/20/2027
Capital One Bank	14042TBQ9	8/7/2019	250,000.00	241,452.50	250,000.00	2.250	2.250	404	8/7/2024
Capital One NA	14042RMJ7	7/24/2019	250,000.00	241,612.50	250,000.00	2.200	2.200	390	7/24/2024
Discover Bank	254673RV0	7/25/2018	250,000.00	249,657.50	250,000.00	3.300	3.300	25	7/25/2023
Goldman Sachs Bank	38148PT98	8/8/2018	250,000.00	249,475.00	250,000.00	3.350	3.350	39	8/8/2023
Sallie Mae Bank	7954507A7	7/14/2021	200,000.00	175,652.00	200,000.00	1.000	1.000	1,110	7/14/2026
Toyota Financial SGS Bank	89235MPD7	9/27/2022	250,000.00	234,447.50	250,000.00	3.650	3.650	1,545	9/22/2027
Sub Total			1,650,000.00	1,578,107.00	1,650,000.00	2.762	2.762	678	
US Government Issues									
FHLB	3130ALGR9	3/1/2021	250,000.00	223,945.00	249,934.95	0.850	0.860	57	2/26/2026
Sub Total		'	250,000.00	223,945.00	249,934.95	0.850	0.860	25	
Corporate Bond									
Bank of America Corp	06048WK41	12/7/2020	250,000.00	223,817.50	250,000.00	0.850	0.800	879	11/25/2025
Citigroup Global Markets	17328WFZ6	9/16/2020	250,000.00	224,272.50	250,000.00	1.000	1.000	78	9/16/2025
JP Morgan Chase	48128GV56	8/18/2020	250,000.00	218,637.50	250,000.00	0.800	0.800	415	8/18/2025
Morgan Stanley Fin LLC	61766YKH3	6/29/2022	200,000.00	188,060.00	200,000.00	4.500	4.500	365	6/29/2027
Societe Generale	83369MD25	8/19/2020	250,000.00	219,047.50	250,000.00	1.000	1.088	50	8/19/2025
Sub Total			1,200,000.00	1,073,835.00	1,200,000.00	1.510	1.518	357	
Total Investments			3,100,000.00	2,875,887.00	3,099,934.95	2.123	2.127	504	

Total Earnings Current Year

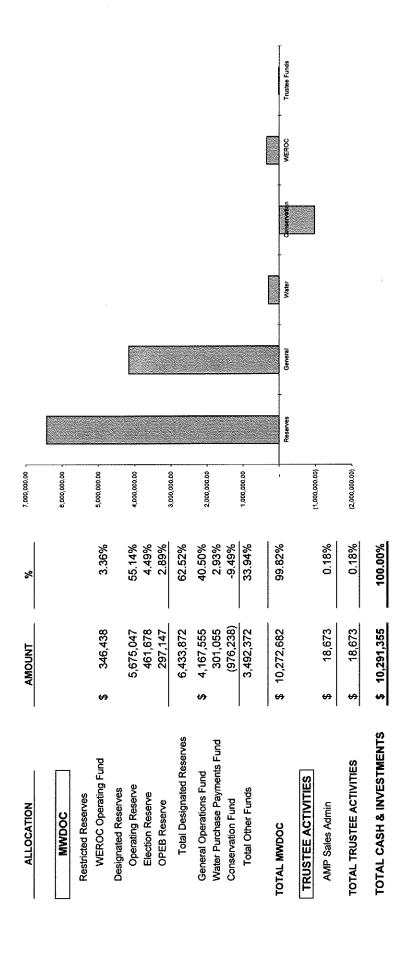
Fiscal Year To Date 64,685.44

Month Ending June 5,379.15

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Portfolio Management Short-Term Portfolio Details - Cash and Investments June 30, 2023

Investments	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Local Agency Investment Funds LAIF LGIP	LAIF	6/30/2010	2,943,875.66	2,943,875.66	2,943,875.66	3,161	3.161	-	N/A
Sub Total			2,943,875.66	2,943,875.66	2,943,875.66	3.161	3.161	₩.	
Orange County Investment Pool County of Orange LGIP	OCIP	6/29/2005	4,115,983.11	4,115,983.11	4,115,983.11	3.732	3.732	-	A/N
Sub Total			4,115,983.11	4,115,983.11	4,115,983.11	3.732	3.732	•	
Total Investments			7,059,858.77	7,059,858.77	7,059,858.77	3.494	3.494		
Cash									
Petty Cash Cash	CASH	7/1/2010	200.00	200.00	200.00	0.000	0.000		A/N
US Bank Cash	CASHUSBANK	7/25/2018	131,061.11	131,061.11	131,061.11	0.000	0.000		A/N
Total Cash			131,561.11	131,561.11	131,561.11	0.000	0.000	-	
Total Cash and Investments			7,191,419.88	7,191,419.88	7,191,419.88	3.494	3.494	-	
Total Earnings			Month Ending June		Fiscal Year To Date				
Current Year			37,342.84		414,029.54				

Municipal Water District of Orange County Cash and Investments at June 30, 2023





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

Account Report for the Period 7/1/2022 to 6/30/2023

Hilary Chumpitazi Accounting Manager Municipal Water Dist of Orange County 18700 Ward Street Fountain Valley, CA 92708

Account Summary

Source	Balance as of 7/1/2022	Contributions	Earnings	Expenses	Distributions	Transfers	Balance as of 6/30/2023
OPEB PENSION	\$2,408,599.26 \$847,653.04	\$0.00 \$207,000.00	\$180,315.16 \$71,975.79	\$14,296.52 \$5,964.54	\$0.00 \$0.00	\$0.00 \$0.00	\$2,574,617.90 \$1,120,664.29
Totals	\$3,256,252.30	\$207,000.00	\$252,290.95	\$20,261.06	\$0.00	\$0.00	\$3,695,282.19

Investment Selection

Source

OPEB Moderate HighMark PLUS
PENSION Moderate HighMark PLUS

Investment Objective

Source

OPEB

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

PENSION

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

Investment Return

				A	nnualized Retu	rn	
Source	1-Month	3-Months	1-Year	3-Years	5-Years	10-Years	Plan's Inception Date
OPEB	3.12%	3.05%	7.51%	4.66%	4.92%	5.80%	10/26/2011
PENSION	3.12%	3.05%	7.55%	4.62%	4.61%	-	7/31/2018

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

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change. Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.

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

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



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

Account Report for the Period 6/1/2023 to 6/30/2023

Hilary Chumpitazi Accounting Manager Municipal Water Dist of Orange County 18700 Ward Street Fountain Valley, CA 92708

Account Summary

Source	Balance as of 6/1/2023	Contributions	Earnings	Expenses	Distributions	Transfers	Balance as of 6/30/2023
OPEB PENSION	\$2,497,936.62 \$1,087,286.93	\$0.00 \$0.00	\$77,906.84 \$33,910.82	\$1,225.56 \$533.46	\$0.00 \$0.00	\$0.00 \$0.00	\$2,574,617.90 \$1,120,664.29
Totals	\$3,585,223.55	\$0.00	\$111,817.66	\$1,759.02	\$0.00	\$0.00	\$3,695,282.19

Investment Selection

Source

OPEB Moderate HighMark PLUS
PENSION Moderate HighMark PLUS

Investment Objective

Source

OPEB

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

PENSION

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

Investment Return

				Α	nnualized Retu	rn	
Source	1-Month	3-Months	1-Year	3-Years	5-Years	10-Years	Plan's Inception Date
OPEB	3.12%	3.05%	7.51%	4.66%	4.92%	5.80%	10/26/2011
PENSION	3.12%	3.05%	7.55%	4.62%	4.61%	-	7/31/2018

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

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change. Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.

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

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

INVESTMENT RETURNS

NET PERFORMANCE FEE ANALYSIS

As of June 30, 2023

Over 1 Year		Over 3 Years	10	Over 5 Years	10	Over 10 Years	
PARS/HIGHMARK	¥	PARS/HIGHMARK	A R K	PARS/HIGHMARK	4 R K	PARS/HIGHMARK	RK
Moderate Index (50% Fixed Income/Cash)	7.18%	Moderate Index (50% Fixed Income/Cash)	4.34%	Moderate Index (50% Fixed Income/Cash)	4.86%	Moderate Index (50% Fixed Income/Cash)	5.61%
minus weighted PARS (-) ((-) 0.25%	minus weighted PARS administration fee	(-) 0.25%	minus weighted PARS administration fee	(-) 0.25%	minus weighted PARS administration fee	(-) 0.25%
minus weighted HighMark investment management fee	(-) 0.35%						
1-Year Net Return 6	6.58%	3-Year Net Return	3.74%	5-Year Net Return	4.26%	10-Year Net Return	5.01%

CALPERS CERBT	CALPERS CERBT	ВТ	CALPERS CERBT	Ľ.	CALPERS CERBT	3.T
Strategy 2 (46% Fixed Income/Cash) 3.60%	Strategy 2 (48% Fixed Income/Cash)	2.74%	Strategy 2 (48% Fixed Income/Cash)	4.14%	Strategy 2 (48% Fixed Income/Cash)	5.17%
minus fees (-) -0.09%	o minus fees	(-) 0.08%	(-) 0.08% minus fees	%60:0 (-)	minus fees	(-) 0.10%
1-Year Net Return 3.51%	3-Year Net Return	2.66%	5-Year Net Return	4.05%	10-Year Net Return	5.07%

* Subject to change due to rebalancing; fees are based on assets under \$5 million. Past performance does not guarantee future results.





PARS DIVERSIFIED PORTFOLIOS **MODERATE**

Q2 2023

WHY THE PARS DIVERSIFIED **MODERATE PORTFOLIO?**

Comprehensive Investment Solution

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

Rigorous Manager Due Diligence

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

Flexible Investment Options

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

Risk Management

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

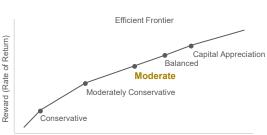
PORTFOLIO FACTS

HighMark Plus (Active)

Composite Inception Date	10/2004
No of Holdings in Portfolio	20
Index Plus (Passive)	
Composite Inception Date	05/2006
No of Holdings in Portfolio	13

INVESTMENT OBJECTIVE

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



Risk (Standard Deviation)

ASSET ALLOCATION — MODERATE PORTFOLIO

	Strategic Range	Policy	Tactical
Equity	40 - 60%	50%	47%
Fixed Income	40 - 60%	45%	48%
Cash	0 - 20%	5%	5%

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

Blended Benchmark**

osite (Passive)

Gross

2.62%

7.02%

7.18%

4.86%

5.61%

2.98%

7.50%

8.25% 4.34% 3.96%

4.91%

5.28%

Net

2.53%

6.83%

6.79%

4.49%

5.23%

HighMark Plus Cor	nposite (Active)		Index Plus Composite (F
	Gross	Net	
Current Quarter*	3.00%	2.91%	Current Quarter*
Blended Benchman	k*,** 2.98	%	Blended Benchmark*,**
Year To Date*	7.56%	7.36%	Year To Date*
Blended Benchman	k*,** 7.50	%	Blended Benchmark*,**
1 Year	7.66%	7.28%	1 Year
Blended Benchman	k** 8.25	%	Blended Benchmark**
3 Year	4.73%	4.35%	3 Year
Blended Benchman	k** 4.91	%	Blended Benchmark**
5 Year	5.01%	4.64%	5 Year
Blended Benchman	k** 5.28	%	Blended Benchmark**
10 Year	5.80%	5.42%	10 Year

6.06%

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

HighMark Plus Composite (Active)	Index Plus Composite (Passive)

•			
2008	-22.88%	2008	-18.14%
2009	21.47%	2009	16.05%
2010	12.42%	2010	11.77%
2011	0.55%	2011	2.29%
2012	12.25%	2012	10.91%
2013	13.06%	2013	12.79%
2014	4.84%	2014	5.72%
2015	0.14%	2015	-0.52%
2016	6.45%	2016	7.23%
2017	13.19%	2017	11.59%
2018	-4.03%	2018	-4.03%
2019	17.71%	2019	17.52%
2020	12.92%	2020	11.23%
2021	9.31%	2021	10.18%
2022	-14.63%	2022	-14.21%

^{6.06%} Blended Benchmark** Returns less than one year are not annualized. **Breakdown for Blended Benchmark: From 10/1/2012 – Present: 26.5% S&P500, 5% Russell Mid Cap, 7.5% Russell 2000, 3.25% MSCI EM (net), 6% MSCI EAFE (net), 33.50% Bloomberg US Agg, 10% ICE BofA 1-3 Yr US Corp/Gov't, 1.50% ICE BofA US High Yield Master II, 1.75% Wilshire REIT, and 5% FTSE 1 Mth US T-Bill. From 4/1/2007 – 9/30/2012: the blended benchmark was 43% S&P 500; 2% Russell 2000, 5% MSCI EAFE (net), 15% ICE BofA 1-3 Year Corp./Govt, 30% Bloomberg US Agg, 5% FTSE 1 Mth US T-Bill. Prior to April 2007: the blended benchmark was 50% S&P 500, 15% ICE BofA 1-3 Yr Corp/Gov, 30% Bloomberg US Agg, and 5% FTSE 1 Mth US T-Bill.

HOLDINGS

HighMark Plus (Active)

Columbia Contrarian Core I3 Vanquard Growth & Income Adm

Dodge & Cox Stock Fund iShares S&P 500 Value ETF

Harbor Capital Appreciation - Retirement

iShares S&P 500 Growth ETF iShares Russell Mid-Cap ETF

Vanguard Real Estate ETF

Undiscovered Managers Behavioral Value-R6

Emerald Growth Fund-I

DFA Large Cap International Portfolio

Dodge & Cox International Stock

MFS International Growth - R6

Hartford Schroders Emerging Markets Eq

Vanguard Short-Term Invest-Grade Adm

PIMCO High Yield Instl

Dodge & Cox Income-I

PGIM Total Return Bond - R6

DoubleLine Core Fixed Income - I

First American Government Obligations Z

Index Plus (Passive)

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

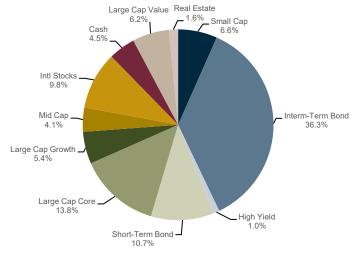
Vanguard Short-Term Invest-Grade Adm

iShares Core U.S. Aggregate Vanguard High-Yield Corp Adm

First American Government Obligations Z

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

STYLE



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

passive objectives.

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

trade-date accounting.

Blended benchmarks represent HighMark's strategic allocations between equity, fixed income, and cash and are rebalanced monthly. Benchmark returns do not reflect the deduction of advisory fees or other expenses of investing but assumes the reinvestment of dividends and other earnings. An investor cannot invest directly in an index. The unmanaged S&P 500 Index is representative of the performance of large companies in the U.S. stock market. The MSCI EAFE Index is a free float-adjusted market capitalization index designed to measure developed market equity performance, excluding the U.S. and Canada. The MSCI Emerging Markets Index is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global emerging markets. The Russell didcap Index measures the performance of the mid-cap segment of the U.S. equity universe. The ICE BofA U.S. High Yield Master II Index tracks the performance of below investment grade U.S. dollar-denominated corporate bonds publicly issued in the U.S. domestic market. Wilshire REIT index measures U.S. publicly traded Real Estate Investment Trusts. The unmanaged Bloomberg U.S. Aggregate Bond Index is generally representative of the U.S. taxable bond market as a whole. The ICE BofA 1.3. Year U.S. Corporate & Government Index tracks the bond performance of the ICE BofA U.S. Corporate & Government Index, with a remaining term to final maturity less than 3 years. The unmanaged FTSE 1-Month U.S. Treasury Bill. month U.S. Treasury Bill.

HighMark Capital Management, Inc. (HighMark) is an investment adviser registered with the U.S. Securities and Exchange Commission and a subsidiary of U.S. Bank National Association ("U.S. Bank"). U.S. Bank is a separate entity and subsidiary of U.S. Bancorp. U.S. Bank is not responsible for and does not guarantee the products, services or performance of HighMark. HighMark manages institutional separate account portfolios for a wide variety of for-profit and nonprofit organizations, public agencies, and public and private retirement plans. Individual account management and construction will vary depending on each client's investment needs and objectives. U.S. Bank provides certain services to HighMark and is compensated for these services. Investments employing HighMark strategies are NOT insured by the FDIC or by any other Federal Government Agency, are NOT Bank deposits, are NOT guaranteed by the Bank or any Bank affiliate, and MAY lose value, including possible loss of principal.

HIGHMARK CAPITAL MANAGEMENT

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

ABOUT THE ADVISER

HighMark® Capital Management, Inc. (HighMark) has over 100 years (including predecessor organizations) of institutional money management experience with \$8.6 billion in assets under management*. HighMark has a long term disciplined approach to money management and currently manages assets for a wide array of

ABOUT THE PORTFOLIO MANAGEMENT TEAM

Andrew Brown, CFA®

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

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

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

J. Keith Stribling, CFA®

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

Christiane Tsuda

Senior Portfolio Manager Investment Experience: since 1987 HighMark Tenure: since 2010 Education: BA, International Christian University, Tokyo

Anne Wimmer, CFA®

Senior Portfolio Manager Investment Experience: since 1987 HighMark Tenure: since 2007 Education: BA, University of California, Santa Barbara

Asset Allocation Committee

Number of Members: 13 Average Years of Experience: 29 Average Tenure (Years): 17

Manager Review Group

Number of Members: 4 Average Years of Experience: 26 Average Tenure (Years): 14

*Assets under management ("AUM") include assets for which HighMark provides continuous and regular supervisory and management services. As of 6/1/2023 HighMark previously listed Assets under Advisement ("AUA") are no longer advised by HighMark.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

UNAUDITED DRAFT COMBINED FINANCIAL STATEMENTS

AND

BUDGET COMPARATIVE

JULY 1, 2022 THRU JUNE 30, 2023

THE FOLLOWING IS SUBJECT TO CHANGE AND ACTUALS ARE DEFERRED TO THE AUDITED ANNUAL REPORT
TO BE PRESENTED ON NOVEMBER 08, 2023

Municipal Water District of Orange County Combined Balance Sheet As of June 30, 2023

ACCETC	<u>Amount</u>
<u>ASSETS</u>	104 504 44
Cash in Bank	131,561.11
Investments Accounts Receivable	10,159,793.72
	19,661,312.84
Accounts Receivable - Other Accrued Interest Receivable	373,948.57
	127,234.39
Prepaids/Deposits Leasehold Improvements	216,730.92 7,001,517.44
Furniture, Fixtures & Equipment	885,094.81
Less: Accumulated Depreciation	(3,847,928.54)
	(3,047,920.34)
TOTAL ASSETS	34,709,265.26
LIABILITIES AND FUND BALANCES	
LIABILITIES	
Accounts Payable	18,789,029.34
Accrued Salaries and Benefits Payable	582,308.31
Other Liabilities	633,591.31
Unearned Revenue	1,062,950.06
TOTAL LIABILITIES	21,067,879.02
ELIND BALANCES	
FUND BALANCES	
Restricted Fund Balances	040 440 04
WEROC Reserve Total Restricted Fund Balances	240,442.01 240,442.01
	240,442.01
<u>Unrestricted Fund Balances</u>	
Designated Reserves	
Operating Reserve	5,675,047.00
Election Reserve	461,678.00
OPEB Reserve	297,147.00
Total Designated Reserves	6,433,872.00
General Fund	5,811,879.95
General Fund Capital	83,747.32
Total Unrestricted Fund Balances	12,329,499.27
Excess Revenue over Expenditure	
Operating Fund	935,706.03
Other Funds	135,738.93
TOTAL FUND BALANCES	13,641,386.24
TOTAL LIABILITIES AND FUND BALANCES	34,709,265.26

Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report General Fund July 1, 2022 thru June 30, 2023

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	<u>Budget</u> <u>Remaining</u>
REVENUES						
Retail Connection Charge Ground Water Customer Charge	0.00 0.00	8,885,401.25 367,806.00	8,885,401.25 367,805.72	100.00% 100.00%	0.00 0.00	0.00 (0.28)
Water Rate Revenues	0.00	9,253,207.25	9,253,206.97	100.00%	0.00	(0.28)
Interest Revenue	44,688.44	501,219.76	145,971.00	343.37%	0.00	(355,248.76)
Subtotal	44,688.44	9,754,427.01	9,399,177.97	103.78%	0.00	(355,249.04)
Choice Programs MWD Revenue - Shared Services Miscellaneous Income School Contracts Delinquent Payment Penalty Transfer-In from Reserve	44,098.00 0.00 4.82 0.00 0.00 0.00	1,351,486.57 112,710.00 3,275.48 103,947.21 3,597.63 0.00	1,328,114.20 0.00 3,000.00 429,837.67 0.00 457,061.00	101.76% 0.00% 109.18% 24.18% 0.00%	0.00 0.00 0.00 0.00 0.00 0.00	(23,372.37) (112,710.00) (275.48) 325,890.46 (3,597.63) 457,061.00
Subtotal	44,102.82	1,575,016.89	2,218,012.87	71.01%	0.00	642,995.98
TOTAL REVENUES	88,791.26	11,329,443.90	11,617,190.84	97.52%	0.00	287,746.94

Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report General Fund July 1, 2022 thru June 30, 2023

	Month to Date	Year to Date	Annual Budget	% Used	Encumbrance	<u>Budget</u> Remaining
<u>EXPENSES</u>	Month to Date	Teal to Date	Alliuai Buuget	<u>// Useu</u>	Eliculibratice	Kemaming
	0.47.044.00	4 050 000 04	4 400 400 50	00 000/	0.00	70.400.00
Salaries & Wages	347,341.90	4,353,029.21	4,429,129.50	98.28%	0.00	76,100.29
Salaries & Wages - Grant Recovery	0.00	(4,511.35)	(20,000.00)	(22.56)%	0.00	(15,488.65)
Director's Compensation	21,937.81	267,510.31	275,041.20	97.26% 89.38%	0.00 0.00	7,530.89
MWD Representation Employee Benefits	10,150.33 85,735.64	140,467.47 1,331,814.71	157,166.40 1,441,831.24	92.37%	0.00	16,698.93 110,016.53
Employee Benefits - Grant Recovery	0.00	(908.93)	0.00	0.00%	0.00	908.93
CalPers Unfunded Liability Contribution	0.00	207,000.00	207,000.00	100.00%	0.00	0.00
Director's Benefits	8,586.11	105,919.11	132,976.50	79.65%	0.00	27,057.39
Health Insurance for Retirees	12,785.53	77,917.93	94,554.00	82.41%	0.00	16,636.07
Training Expense	2,537.99	10,387.57	53,000.00	19.60%	0.00	42,612.43
Tuition Reimbursement	3,148.27	5,801.27	5,000.00	116.03%	0.00	(801.27)
Temporary Help Expense	481.95	481.95	5,000.00	9.64%	0.00	4,518.05 [°]
Personnel Expenses	492,705.53	6,494,909.25	6,780,698.84	95.79%	0.00	285,789.59
Engineering Expense	9,738.52	192,902.09	410,000.00	47.05%	65,096.28	152,001.63
Legal Expense	9,680.15	153,038.00	235,750.00	64.92%	101,962.00	(19,250.00)
Audit Expense	0.00	27,000.00	35,000.00	77.14%	4,500.00	3,500.00
Professional Services	155,877.20	1,245,723.47	1,516,256.00	82.16%	786,574.06	(516,041.53)
Professional Fees	175,295.87	1,618,663.56	2,197,006.00	73.68%	958,132.34	(379,789.90)
Conference - Staff	0.00	20,411.77	56,205.00	36.32%	0.00	35,793.23
Conference - Directors	0.00	11,129.72	23,905.00	46.56%	0.00	12,775.28
Travel & Accom Staff	1,985.48	50,385.89	90,325.00	55.78%	0.00	39,939.11
Travel & Accom Directors	411.79	17,238.28	32,900.00	52.40%	0.00	15,661.72
Travel & Conference	2,397.27	99,165.66	203,335.00	48.77%	0.00	104,169.34
Membership/Sponsorship	0.00	144,503.24	145,847.00	99.08%	0.00	1,343.76
CDR Support	0.00	57,462.00	57,462.00	100.00%	0.00	0.00
Dues & Memberships	0.00	201,965.24	203,309.00	99.34%	0.00	1,343.76
Business Expense	228.73	1,459.82	2,500.00	58.39%	0.00	1,040.18
Office Maintenance	13,129.29	160,446.96	151,400.00	105.98%	3,605.00	(12,651.96)
Building Repair & Maintenance	2,184.63	23,685.06	22,056.00	107.39%	7,992.60	(9,621.66)
Storage Rental & Equipment Lease	65.14	721.52	1,800.00	40.08%	78.48	1,000.00
Office Supplies	1,750.79	26,524.96	35,000.00	75.79%	1,178.77	7,296.27
Supplies - Water Loss Control	746.94	7,260.72	4,000.00	181.52%	0.00	(3,260.72)
Postage/Mail Delivery	729.33	8,348.32	11,300.00	73.88%	441.69	2,509.99
Subscriptions & Books	103.48	1,112.88	1,000.00	111.29% 53.23%	0.00	(112.88)
Reproduction Expense Maintenance - Computers	28,261.87 2,603.38	44,712.76 8,628.60	84,000.00 7,000.00	123.27%	1,829.26 0.00	37,457.98 (1,628.60)
Software Purchase	4,300.68	93,491.59	95,093.00	98.32%	0.00	1,601.41
Software Support	1,260.19	33,836.37	55,615.00	60.84%	0.00	21,778.63
Computers and Equipment	2,420.87	28,634.46	43,950.00	65.15%	0.00	15,315.54
Maintenance Expense	0.00	0.00	6,000.00	0.00%	0.00	6,000.00
Automotive Expense	2,098.15	8,251.42	13,500.00	61.12%	0.00	5,248.58
Vehicle Expense	972.12	9,990.21	7,343.00	136.05%	0.00	(2,647.21)
Toll Road Charges	62.63	321.77	2,100.00	15.32%	0.00	1,778.23
Insurance Expense	15,151.89	182,729.15	140,000.00	130.52%	0.00	(42,729.15)
Utilities - Telephone	1,905.28	36,505.61	43,690.00	83.56%	0.00	7,184.39
Bank Fees	0.00	881.37	2,600.00	33.90%	0.00	1,718.63
Miscellaneous Expense	8,725.03	83,064.66	69,520.00	119.48%	485.00	(14,029.66)
MWDOC's Contrb. to WEROC	24,690.83	296,290.00	296,290.00	100.00%	0.00	0.00
Depreciation Expense	9,768.92	97,233.21	0.00	0.00%	0.00	(97,233.21)
Other Expenses	121,160.17	1,154,131.42	1,095,757.00	105.33%	15,610.80	(73,985.22)
Election Expense	0.00	643,450.91	300,728.00	213.96%	0.00	(342,722.91)
Capital Aquisition	0.00	131,264.25	113,280.00	115.88%	37,185.15	(55,169.40)
Building Expense	10,328.01	50,187.58	723,077.00	6.94%	48,055.49	624,833.93
TOTAL EXPENSES	801,886.85	10,393,737.87	11,617,190.84	89.47%	1,058,983.78	164,469.19
NET INCOME (LOSS)	(713,095.59)	935,706.03	0.00	0.00%	(1,058,983.78)	123,277.75

Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report Water Fund July 1, 2022 thru June 30, 2023

Month to Date	Year to Date	Annual Budget	% Used	<u>Budget</u> <u>Remaining</u>
				
8,561,712.30	136,650,743.70	157,620,717.70	86.70%	20,969,974.00
1,141,583.00	12,935,749.19	11,142,354.00	116.10%	(1,793,395.19)
293,620.00	4,457,309.86	5,396,060.00	82.60%	938,750.14
27,684.97	323,147.95	318,000.00	101.62%	(5,147.95)
0.00	0.00	4,547.00	0.00%	4,547.00
10,024,600.27	154,366,950.70	174,481,678.70	88.47%	20,114,728.00
8,561,712.30	136,650,743.70	157,620,717.70	86.70%	20,969,974.00
1,141,583.00	12,935,749.05	11,142,354.00	116.10%	(1,793,395.05)
293,620.00	4,457,310.00	5,396,060.00	82.60%	938,750.00
27,684.97	323,147.95	318,000.00	101.62%	(5,147.95)
10,024,600.27	154,366,950.70	174,477,131.70	88.47%	20,110,181.00
0.00	0.00	4,547.00	0.00%	4,547.00
	8,561,712.30 1,141,583.00 293,620.00 27,684.97 0.00 10,024,600.27 8,561,712.30 1,141,583.00 293,620.00 27,684.97 10,024,600.27	8,561,712.30 136,650,743.70 1,141,583.00 12,935,749.19 293,620.00 4,457,309.86 27,684.97 323,147.95 0.00 10,024,600.27 154,366,950.70 8,561,712.30 136,650,743.70 1,141,583.00 12,935,749.05 293,620.00 4,457,310.00 27,684.97 323,147.95 10,024,600.27 154,366,950.70	8,561,712.30 136,650,743.70 157,620,717.70 1,141,583.00 12,935,749.19 11,142,354.00 293,620.00 4,457,309.86 5,396,060.00 27,684.97 323,147.95 318,000.00 0.00 4,547.00 10,024,600.27 154,366,950.70 174,481,678.70 8,561,712.30 136,650,743.70 157,620,717.70 1,141,583.00 12,935,749.05 11,142,354.00 293,620.00 4,457,310.00 5,396,060.00 27,684.97 323,147.95 318,000.00 10,024,600.27 154,366,950.70 174,477,131.70	8,561,712.30 136,650,743.70 157,620,717.70 86.70% 1,141,583.00 12,935,749.19 11,142,354.00 116.10% 293,620.00 4,457,309.86 5,396,060.00 82.60% 27,684.97 323,147.95 318,000.00 101.62% 0.00 0.00 4,547.00 0.00% 10,024,600.27 154,366,950.70 174,481,678.70 88.47% 8,561,712.30 136,650,743.70 157,620,717.70 86.70% 1,141,583.00 12,935,749.05 11,142,354.00 116.10% 293,620.00 4,457,310.00 5,396,060.00 82.60% 27,684.97 323,147.95 318,000.00 101.62% 10,024,600.27 154,366,950.70 174,477,131.70 88.47%

Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report Water Use Efficiency July 1, 2022 thru June 30, 2023

	Year to Date Actual	Annual Budget	% Used
Spray To Drip Conversion Revenues	469,878.20	434,927.51	108.04%
Expenses	583,384.34	434,927.51	134.13%
Excess of Revenues over Expenditures	(113,506.14)	0.00	
Member Agency Administered Pass-Thru			
Revenues Expenses	0.00 0.00	255,000.00 255,000.00	0.00% 0.00%
Excess of Revenues over Expenditures	0.00	0.00	0.0070
ULFT Rebate Program			
Revenues	520.00	1,000.00	52.00%
Expenses Excess of Revenues over Expenditures	520.00 0.00	1,000.00 0.00	52.00%
Excess of Nevertues over Experiutures	0.00	0.00	
HECW Rebate Program Revenues	60,474.57	60,000.00	100.79%
Expenses	50,755.00	60,000.00	84.59%
Excess of Revenues over Expenditures	9,719.57	0.00	
CII Rebate Program Revenues	399.00	2,000.00	19.95%
Expenses	399.00	2,000.00	19.95%
Excess of Revenues over Expenditures	0.00	0.00	
Turf Removal Program			
Revenues Expenses	6,289,907.07 6,629,380.82	6,061,364.00 6,061,364.00	103.77% 109.37%
Excess of Revenues over Expenditures	(339,473.75)	0.00	109.37 70
Comprehensive Landscape (CLWUE)			
Revenues Expenses	268,976.36 129,794.14	321,700.00 321,700.00	83.61% 40.35%
Excess of Revenues over Expenditures	139,182.22	0.00	
Recycled Water Program			
Revenues Expenses	1,582.75 1,582.75	50,000.00 50,000.00	3.17% 3.17%
Excess of Revenues over Expenditures	0.00	0.00	3.1770
WSIP - Industrial Program Revenues	1,360.00	32,645.00	4.17%
Expenses	1,360.00	32,645.00	4.17%
Excess of Revenues over Expenditures	0.00	0.00	
Land Design Program Revenues	299,842.50	331,303.00	90.50%
Expenses	339,606.90	331,303.00	102.51%
Excess of Revenues over Expenditures	(39,764.40)	0.00	
Pressure Regulation Program			
Revenues Expenses	33,027.87 33,027.87	26,960.50 26,960.50	122.50% 122.50%
Excess of Revenues over Expenditures	0.00	0.00	122.0070
Rotating Nozzle			
Revenues Expenses	23.14 0.00	1,750.00 1,750.00	1.32% 0.00%
Excess of Revenues over Expenditures	23.14	0.00	0.0070
Dedicated Irrigation Meters Measurement Project (DIMM)			
Revenues	821,977.46	966,624.00	85.04%
Expenses Expenses of Revenues over Expenditures	441,485.97	966,624.00	45.67%
Excess of Revenues over Expenditures	380,491.49	0.00	

Municipal Water District of Orange County Revenues and Expenditures Budget Comparative Report Water Use Efficiency July 1, 2022 thru June 30, 2023

	Year to Date Actual	Annual Budget	% Used
Rain Barrel Revenues Expenses Excess of Revenues over Expenditures	240.00 240.00 0.00	0.00 0.00 0.00	0.00% 0.00%
Total WUE Projects Revenues Expenses Excess of Revenues over Expenditures	8,248,208.92 8,211,536.79 36,672.13	8,545,274.01 8,545,274.01 0.00	96.52% 96.09%
WEROC Revenues Expenses Excess of Revenues over Expenditures	565,941.02 685,697.12 (119,756.10)	565,941.00 565,941.00 0.00	100.00% 121.16%



CONSENT CALENDAR ITEM

August 16, 2023

TO: Board of Directors

FROM: Administration and Finance Committee

(Directors Dick, Thomas, Crane)

Harvey De La Torre Staff Contact: Heather Baez

Interim General Manager

SUBJECT: REVIEW CANDIDATES FOR THE ASSOCIATION OF CALIFORNIA

WATER AGENCIES' (ACWA) ELECTION OF PRESIDENT, VICE

PRESIDENT AND REGION 10 BOARD OF DIRECTORS

STAFF RECOMMENDATION

Staff recommends that the Committee:

Review the candidates for both ACWA President and Vice President, and the Region 10 Board of Directors, and determine if they would like to direct the District's vote.

COMMITTEE RECOMMENDATION

The Committee reviewed the candidates and recommended the Board restate its prior vote to designate President Yoo Schneider, or her designee to cast the District's ballot within her discretion.

BACKGROUND

On May 17, the MWDOC Board of Directors authorized Board President Megan Yoo Schneider or her designee to cast the district's ballot for ACWA President, Vice President and the Region 10 Board of Directors. In addition, the Board directed staff to return this item to the Board for further review when the finalized ballot has been determined.

As a reminder - ACWA's Board officers' election is currently underway and there are multiple changes to the election process this year, including the way ACWA members elect the President and Vice President. Voting will no longer take place at the ACWA Fall Conference, but instead will be facilitated electronically (unless otherwise requested) over the summer, with results announced at the end of September.

Budgeted (Y/N): n/a	Budgeted amount: n/a		Core X	Choice
Action item amount: No	item amount: None			
Fiscal Impact (explain if unbudgeted):				

Below are some of the major changes:

- Member agencies must designate their voting representative by June 16.
- A candidate's nomination statement of qualifications or resume should highlight the candidate's active involvement in ACWA task forces, regional boards, committees, or the like. Candidates must also submit an abbreviated statement that will be included with the official ballot.
- The Election Committee will present an open ballot with all qualified candidates that will be distributed July 17. Including all qualified candidates on the ballot eliminates the need for last-minute floor nominations during fall conference.
- Members of ACWA will elect the President and Vice President by voting electronically before ACWA's annual meeting at fall conference. Since the voting period has been moved up, the results of the election will be formally announced on Sept. 27.
- Members who want to vote will need to submit their ballots via electronic communication or first class mail.
- If a candidate does not receive a majority of votes for President or Vice President, a run-off election will be held and a new ballot will be sent out on Sept. 26 with the two candidates that received the highest amount of votes. The run-off ballots need to be submitted by Nov. 10.

KEY DATES

Election Committees Appointed	February 28
Call for Candidates Begins	April 17
Deadline to Submit Voter Designation Form	June 16
Deadline for Candidates to Submit Nominating Resolutions and Statement of Qualifications	June 16
Candidate Interviews for President and Vice President	June 23
Endorse Preferred Candidate and Establish Open Ballot for	July 7
President and Vice President	
Ballots Distributed	July 17
Deadline to Submit Ballots	September 15
Count Ballots	September 25
2024-2025 President and Vice President/Region Board Members Announced	September 27
2024-2025 President and Vice President/Region Board Members Introduced at Fall Conference	November 29

OFFICIAL CANDIDATES

President

Cathy Green, Board President, Orange County Water District

Vice President

Ernesto "Ernie" A. Avila, Board President, Contra Costa Water District Michael Saunders, Director, Georgetown Divide Utility District

Region 10 Board of Directors

Alexandra Berenter, Senior Manager of External Affairs & Policy, City of San Diego (SD) Manny Delgado, Director, Sweetwater Authority (SD)

Jennifer DeMeo, Vice President, Fallbrook Public Utility District (SD)

Marice H. DePasquale, Vice President, Board of Directors, Mesa Water District (OC)

Dana Friehauf, Board Member, Santa Fe Irrigation District (SD)

Charles T. Gibson, Director, Santa Margarita Water District (OC)

Jose Martinez, General Manager, Otay Water District (SD)

George Murdoch, Vice President, East Orange County Water District (OC)

Deborah Neev, Commissioner, Laguna Beach County Water District (OC)

VOTING INFORMATION

Voting for ACWA President and Vice President and the Region 10 Board of Directors is separate but concurrent. Voting for President and Vice President is done electronically, with ballots due no later than 5:00 p.m. on September 15.

The Region 10 Board of Directors ballot is attached and can be submitted via email or USPS. Note that members can chose to vote for the slate recommended by the Region 10 Nominating Committee, or vote for individual candidates. Ballots must be submitted via email or postmarked by September 15.

The recommended Region 10 slate is as follows:

CHAIR:

• Dana Friehauf, Board Member, Santa Fe Irrigation District (SD)

VICE CHAIR:

Charles T. Gibson, Director, Santa Margarita Water District (OC)

BOARD MEMBERS:

- Marice H. DePasquale, Vice President, Board of Directors, Mesa Water District (OC)
- George Murdoch, Vice President, East Orange County Water District (OC)
- Deborah Neev, Commissioner, Laguna Beach County Water District (OC)
- Jose Martinez, General Manager, Otay Water District (SD)
- Jennifer DeMeo, Vice President, Fallbrook Public Utility District (SD)

BOARD OPTIONS

Option #1

 Review the candidates for both President and Vice President, and the Region 10 Board of Directors and determine if they would like to direct the District's designee to vote for particular candidates.

Fiscal Impact: None

Business Analysis: ACWA is the leading statewide organization representing water agencies in Sacramento and Washington D.C. Having a strong leadership is key to its success and as members, MWDOC should participate in the election process.

Option #2

Take no action

Fiscal Impact: None

Business Analysis: MWDOC's Board President or her designee would vote on behalf of the district using their best discretion.

Attachments:

ACWA President and Vice President Candidates' Statements of Qualification Region 10 Ballot





COMMITMENT - EXPERIENCE - LEADERSHIP

ACWA BOARD MEMBER

- · ACWA Vice President (2022-current)
- · Executive Committee (2020-current)
- · Region 10 Chair (2018-2019)
- · Region 10 Vice Chair (2016-2017, 2020-2021)
- · Region 10 Board Member (2012-2021)

ACWA COMMITTEES

- · Water Quality Committee (2012-current)
- · Energy Committee (2019-current)
- · State Legislative Committee (2012-2015)

ORANGE COUNTY WATER DISTRICT

- · President (2015-2016, 2022-current)
- · 1st Vice President (2013, 2014, 2019-2022)
- · Director (2010-current)
- · Joint Planning Committee: Chair
- · Labor Ad Hoc Committee: Chair
- $\cdot \ Communications/Legislative \ Liaison \ Committee: \ Vice \ Chair$

CIVIC AND PROFESSIONAL EXPERIENCE

- · Santa Ana River Flood Protection Agency: Chair
- · CalDesal: Director
- · City of Huntington Beach Mayor (2003, 2009)
- · Councilwoman (2002-2010)
- $\cdot \ \text{Registered Nurse}$
- · Law degree

My vision for ACWA is to embrace its motto -- Bringing Water Together -- which, for me, is about unifying ACWA members and working collaboratively with diverse stakeholders to find smart solutions to the challenges we are now facing 67 of 162



CATHY GREEN BIOGRAPHY

In December of 2021, Cathy Green was elected vice president of the Association of California Water Agencies (ACWA) for a two-year term. She has served as an active member of ACWA since 2012, including serving on ACWA's executive committee since 2020, the ACWA Board since 2016, and the Region 10 Board from 2012-2021. She held the position of ACWA Region 10 chair from 2018-2019 and served as vice chair from 2016-2017 and 2020-2021. Cathy Green has also served on several ACWA committees including the water quality committee since 2012, the energy committee since 2019, and the state legislative committee from 2012-2015.

Cathy Green was elected to the Orange County Water District (OCWD) Board of Directors in November 2010 and was re-elected in 2012, 2016 and 2020. She was selected by the Board to serve as its 2015, 2016 and 2023 president. She served as 1st vice president in 2013, 2014 and from 2020 to 2022.

Cathy Green currently serves as vice chair of National Water Research Institute, a 501c3 nonprofit that collaborates with water utilities, regulators, and researchers in innovative ways to help develop new, healthy, and sustainable sources of drinking water.

Prior to Cathy Green's service on OCWD's Board, she was elected to two consecutive terms on the Huntington Beach City Council where she served two terms as mayor. Cathy Green has been involved as a council liaison and committee member on many city boards, commissions and committees. She served on the Orange County Transportation Authority Board and was a director of OC Clean Tech.

Cathy Green serves on the boards of the Huntington Valley Boys and Girls Club and the Orange County Explorer Program; serves on the Huntington Beach City School District Medi-Cal Collaborative; is a director of the Prime Health Foundation and the Huntington Beach Hospital; is a member of the American Legion Unit 133 Auxiliary, Huntington Beach Community Emergency Response Team (CERT) and the Elks Lodge 1959; and is on the advisory board of the Bolsa Chica Conservancy. She is a founding member of Amigos de Bolsa Chica.

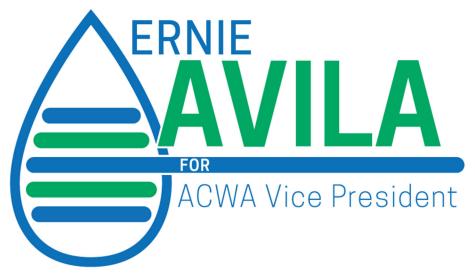
In addition, her community involvement has included serving as president of the Therapeutic Riding Center and the Huntington Beach Community Clinic, chair of the Orange County Emergency Medical Care Committee and of Explorer's/Learning for Life, first aid chair of Huntington Beach CERT, and board member of the OC Boy Scouts of America Council and American Family Housing.



Cathy Green is the recipient of many awards. Her most recent is a 2020 Boys and Girls Clubs of America National Service to Youth Award. In 2010, she was the recipient of the Spurgeon Award, and, in 2005, she was named Woman of the Year by then State Senator John Campbell. Other awards include the 2006 United Way Excellence in Child Care Planning, the 2007 Peace Maker Award from the Greater Huntington Beach Interfaith Council and the Golden West College Pillar of Achievement Award. She has also been recognized as Huntington Beach's Citizen of the Year by the Huntington Beach Chamber of Commerce, a Huntington Beach Soroptimist's Woman of Distinction and a Bolsa Chica Conservancy Conservator of the Year.

Cathy Green is a registered nurse and holds a degree in law. As a nurse, she worked in the health care areas of intensive care, student health, community health, and patient advocacy. In addition to nursing, she gained experience with a variety of environmental projects while associated with Lockhart and Associates.

Cathy Green has been a resident of Huntington Beach since 1970 where she raised her two children, Teresa and Tom, with her late husband Peter.





"The Association of California Water Agencies (ACWA) truly represents the nexus of knowledge and leadership in water for California. We are emerging from difficult times on many fronts, notably a multi-year drought and we need to lock into strategies to keep water in the public eye with ACWA and member agencies as the trusted sources of information. With over 40 years of experience in the water world, I am dedicated to continuing ACWA's leading role on state-wide water issues, including the protection of water rights. United between all water users, we can inform the needed investments state-wide in storage, groundwater recharge, conveyance, desalination, recycling, reuse and conservation to strengthen our water systems for future generations." – *Ernesto (Ernie) Avila, P.E.*

ACWA BOARD MEMBER

- Executive Committee of the ACWA Board of Directors
- ACWA Board of Directors
- ACWA Region 5 Board of Directors
- ACWA Foundation Steering Committee

ACWA COMMITTEES

- Local Government Committee, Chair
 - Property Tax Working Group
 - Housing Densification Working Group
 - Paving Standards Working Group
- Federal Affairs Committee
- Foundation Fundraising Working Group

CONTRA COSTA WATER DISTRICT

- Contra Costa Water District, Board President
- Operations & Engineering, Committee Chair
- East Bay Leadership Council, Director
- Los Vaqueros Reservoir Joint Powers Authority, Director

PROFESSIONAL EXPERIENCE

- Vice-President, Avila and Associates Consulting Engineers, Inc.
- Monterey Peninsula Water Management District, General Manager
- Director of Engineering, Contra Costa Water District
- Northern California Salinity Coalition, Executive Director
- California Urban Water Agencies, Executive Director



Ernesto (Ernie) Avila, PE Board President Contra Costa Water District

Recent ACWA and Regional Water Coalition Experience

Association of CA Water Agencies (ACWA). I have had the pleasure of supporting ACWA over twenty

years at the regional and state level. My recent ACWA experience has included serving on ACWA's:

- Executive Committee of the ACWA Board of Directors
- Board of Directors
- Region 5 Board
- Local Government Committee (Chair)
 - Property Tax Working Group
 - o Housing Densification Working Group
 - Paving Standards Working Group
- Federal Affairs Committee
- Foundation Steering Committee
 - Foundation Fundraising Working Group



As part of these efforts, I led ACWA's assessment of potential water industry impacts associated with Sacramento-based housing initiatives including Auxiliary Dwelling Units, Commercial Properties and Transit Center Hubs and led a workshop to consider potential ACWA next steps associated with these new initiatives and their related changes to water agency fees and charges. I led the ACWA Region 5 session on Safe Drinking Water Issues Affecting Disadvantaged Communities, and helped with the development of the ACWA New Water System Approval Fact Sheet. I also participated in the ACWA Foundation Steering Committee including several related Ad Hoc committees and contributed to Federal Affairs Committee work groups associated with the Water Infrastructure Finance and Innovation Act (WIFIA).

Multi-State Salinity Coalition (MSSC). For over 20 years, I have served as Program Director and Board member of MSSC which consists over 30+ water agencies from New Mexico, northern and southern California, Nevada, Colorado, Arizona and Texas. The MSSC mission is to promote advancements in technologies for desalination, reuse, salinity control strategies (watersheds and agriculture), water/energy efficiencies and related policies that will assist communities in meeting their water needs. I also helped to establish relationships regarding salinity management and desalination with water agencies in Australia, Mexico and Israel. In February 2023, the MSSC awarded me with the MSCC "Salt of the Earth" National Award for outstanding commitment, leadership, vision and dedication to our water industry.



Contra Costa Water District (CCWD). As President of CCWD, I helped to form the coalition of eight northern California water agencies that make up the Los Vaqueros Reservoir Joint Powers Authority (LVJPA). Once completed, the expanded reservoir will improve the Bay Area's regional water supply reliability and water quality while protecting Delta fisheries and providing additional Delta ecosystem benefits. I currently serve as the CCWD Director to the LVJPA.

California Urban Water Agencies (CUWA). As Executive Director, I led CUWA's effort in the development of Department of Water Resources (DWR) Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use as part of the Water Conservation Act of 2009 (Senate Bill X7-7) with our southern and northern California water agency members. I also made certain that CUWA's finances and practices were sound and transparent.

Northern California Salinity Coalition. As Executive Director, I led a coalition of ten San Francisco Bay Area water agencies in crafting grant application strategies and DWR outreach that would demonstrate the value of supporting watershed management, brackish desalination and groundwater project associated with salinity management. Working with the Coalition agencies, we secured the largest Proposition 50 grant funding for our region.

Professional Work Experience (40 years)

- Vice-President, Avila and Associates Consulting Engineers, Inc.
- General Manager, Monterey Peninsula Water Management District
- Director of Engineering, Contra Costa Water District
- Associate Engineer, East Bay Municipal Water District
- Construction Manager, CH2M Hill
- Professional Civil Engineer (California C41727)

Community Service Experience

- Contra Costa Water District, President of the Board
- John Muir Community Health Fund Board of Directors (Treasurer)
- Association of California Engineering Companies Chair of the Healthcare Trust (non-profit)
- Knights of Columbus, Scholarship Chair
- St. Francis of Assisi School Board, President
- City of Concord, CA Planning Commission, Chair
- City of Concord, CA Design Review Board
- City of Walnut Creek, CA Transportation Commission, Vice-Chair

Education and Related Credentials

- B.S. Civil Engineering, Santa Clara University
- M.B.A. St. Mary's College of California
- Professional Civil Engineer (California C41727)
- California Farm Bureau Member



Michael Saunders, MD Georgetown Divide Utility District, Director Candidate ACWA Vice-President Outline and Statement of Qualifications

Appointed Offices:

Georgetown Divide Public Utility District - Finance Committee (2018)

Elected Offices:

Georgetown Divide Public Utility District - 5 years (2018-2022), (2022-2026)

Served as Treasurer, Vice-President, President Currently Legislative Liaison

El Dorado County LAFCO - Alternate Special District Commissioner (2019 to present)

Budget Workgroup, Small to Medium Water District MSR workgroup, Recruitment Committee, Grand Jury committee

Regional Offices

Mountain Counties Water Resources Association - WUE workgroup **Regional Water Authority (RWA)** - Board Member, Executive Board Member

Regional Activities:

Consumnes, American, Bear, Yuba (CABY) Integrated Regional Water Management Group

Participated in helping to define the vulnerability, economic, and support levels for the communities within El Dorado County.

State Level Workgroups

Department of Water Resources

DWR Workgroup Member for Water Use Efficiency Workgroups

- Water Loss Workgroup
- Annual Water Supply and Demand Assessment Workgroup

DWR Stakeholder participant

- County Drought Advisory Group
- Water Use Studies (LAM, Variances; Indoor, Outdoor, CII budgets)

Association of California Water Agencies (ACWA)

Workgroups:

- Diversity, Equity, and Inclusion Workgroup
- Headwaters Workgroup
- Water Use Efficiency Workgroup
- State Infrastructure Workgroup

Committees:

• Membership Committee

ACWA Region 3

- ACWA Region 3 Board Member (2022 present)
- ACWA Region 3 Regional Issue Forum Planning workgroup
 - o "Protecting Communities in the New Era of Wildfire: The Important Role of Water Purveyors"

My background includes a Bachelor of Science (BS) in Nutritional Biochemistry from Cornell University and a Doctor of Medicine (MD) from Howard University. My journey in water issues began with an empty horse water trough one hot summer day when there was no water. I began as a community volunteer on the Finance Committee where I began to learn about the finances of my water District. I was elected to the Georgetown Divide Public Utility District (GDPUD) Board in 2018. I am now in my 5th year as a Board member in my second term of office. I have served as the Treasurer, Vice-President, and President of the Board. I currently serve as the Board's Legislative Liaison.

I learned about water systems, delivery, infrastructure and our issues starting at the local level as a Board member, becoming more expansive through working with our Urban Water Management Plan and managing the District's water supply through drought mandates, water contingency plans, and wildfires. My understanding of the County water issues began as I actively participated in the Consumnes, American, Bear, Yuba (CABY) Integrated Regional Water Management Group including helping to define all of the vulnerability, economic, and support levels for the communities within El Dorado County. At the County level, I am the Alternate Special District Commissioner for LAFCO. I was part of the LAFCO workgroup for Small to Medium Water Districts Municipal Service Reviews and I have reviewed all the MSRs for the County learning of all of our County water districts infrastructures, finances, and challenges. As an Executive board member of the Regional Water Authority, I have had the opportunity to learn more on groundwater basins, and working on trying to get a Federally recognized water bank and working on conjunctive use efforts between surface water storage and groundwater storage.

At the State Level, I have worked on the Water Use Efficiency and County Drought Advisory Groups with the Department of Water Resources (DWR) beginning in 2019. This experience allowed me to understand about the challenges and issues throughout the State. This also gave me the opportunity to provide recommendations and solutions specific to rural, mountain counties that were not being addressed and began my active role in advocating for rural, mountain water agencies.

I have been an active participant with ACWA, attending conferences, workgroups, webinars, regional tours, board meetings, symposiums. I have been an advocate for issues attending State and Federal symposiums and legislative days, working and advocating through County, Regional, State and National committees, workgroups, task forces, legislative meetings, testimonies, letters, coalition letters, and hearings. The work with the DEI workgroup helped form ACWA's new foundation.

The ACWA Regional Board has allowed me to play a leadership role in our Region. Working closely with our regional board members and member agencies, we gathered information on issues in which we were able to work with ACWA staff to facilitate a meeting with State Water Resource Control Board members. I continue to outreach and work with our members and agencies to highlight the issues and challenges that our region faces and bring them to the various committees and workgroups.

REGION 10 Board Ballot

2024-2025 TERM



Please return completed ballot by Sept. 15, 2023

E-mail: regionelections@acwa.com

Mail: ACWA

980 9th Street, Suite 1000 Sacramento, CA 95814

General Voting Instructions:

- 1 You may either vote for the slate recommended by the Region 10 Nominating Committee, or vote for individual candidates to serve as chair, vice chair, and board members for each county (please note rules & regulations for specific qualifications). Mark the appropriate box to indicate your decision.
- 2 Complete your agency information.
 The authorized representative is
 determined by your agency in
 accordance with your agency's policies
 and procedures.

Region 10 Rules & Regulations:

The chair and vice chair shall be from different counties. At least one of the chair or vice chair positions must be an elected/appointed director from a member agency. The region board members shall alternate every two years with three from one county and two from the other. The county from which the chair comes from shall have two region board members and the county from which the vice chair comes from shall have three region board members.

Submitted board candidate bios and headshots are available on **www.acwa. com/elections/2023-region-elections/**.

1)---

Nominating Committee's Recommended Slate

I concur with the Region 10 Nominating Committee's recommended slate below.

CHAIR:

• **Dana Friehauf**, Board Member, Santa Fe Irrigation District (SD)

VICE CHAIR:

• Charles T. Gibson, Director, Santa Margarita Water District (OC)

BOARD MEMBERS:

- Marice H. DePasquale, Vice President, Board of Directors, Mesa Water District (OC)
- George Murdoch, Vice President, East Orange County Water District (OC)
- **Deborah Neev**, Commissioner, Laguna Beach County Water District (OC)
- **Jose Martinez**, General Manager, Otay Water District (SD)
- Jennifer DeMeo, Vice President, Fallbrook Public Utility District (SD)

OF

Individual Board Candidate Nominations

(See Rules & Regulations before selecting)

I do not concur with the Region 10 Nominating Committee's recommended slate. I will vote for individual candidates below as indicated.

CANDIDATES FOR CHAIR: (CHOOSE ONE)

Dana Friehauf, Board Member, Santa Fe Irrigation District (SD)

CANDIDATES FOR VICE CHAIR: (CHOOSE ONE)

Charles T. Gibson, Director, Santa Margarita Water District (OC)

SAN DIEGO COUNTY CANDIDATES FOR BOARD MEMBERS: (MAX OF 2 CHOICES)

Alexandra (Ally) Berenter, Senior Manager, External Affairs & Water Policy, City of San Diego (SD)

Manny Delgado, Director, Sweetwater Authority (SD)

Jennifer DeMeo, Vice President, Fallbrook Public Utility District (SD)

Jose Martinez, General Manager, Otay Water District (SD)

ORANGE COUNTY CANDIDATES FOR BOARD MEMBERS: (MAX OF 3 CHOICES)

Marice H. DePasquale, Vice President, Board of Directors, Mesa Water District (OC)

George Murdoch, Vice President, East Orange County Water District (OC)

Deborah Neev, Commissioner, Laguna Beach County Water District (OC)

(2

AGENCY NAME

AUTHORIZED REPRESENTATIVE

DATE



ACTION ITEM August 16, 2023

TO: Board of Directors

FROM: Administration & Finance Committee

(Directors Dick, Thomas, Crane)

Harvey De La Torre, Interim General Manager

SUBJECT: MWDOC'S RESPONSE LETTER TO ORANGE COUNTY GRAND JURY

REPORT - "HISTORIC RAIN, YET DROUGHT REMAINS"

STAFF RECOMMENDATION

Staff recommends the Board of Directors review and approve MWDOC's response letter on the Orange County Grand Jury's findings and recommendations regarding its report entitled "Historic Rain, Yet Drought Remains", and have staff submit such a letter to the Presiding Judge of the Superior Court before September 5, 2023.

COMMITTEE RECOMMENDATION

Committee reviewed and discussed the draft response letter and recommended several changes be made; some of the Directors requested more time to review the letter. As a result, the response letter is in the process of revision and will be distributed to the Board and made available to the public on Monday, August 14, 2023.

REPORT

On June 9, 2023, the Orange County Grand Jury released the 2022-2023 report "Historic Rain, Yet Drought Remains." This report presents information about the "current crisis in water planning, existing projects to increase the supply of non-potable water for irrigation, and storage issues."

The report also suggests a reliable source of potable water can be achieved through desalination of ocean water. As a result of their review the Grand Jury recommends "the creation of a *Climate Resiliency District* to lessen the County's dependence on State and regional water projects."

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

Attachments: MWDOC's Response Letter to the Orange County Grand Jury's findings and recommendations (to be distributed on August 14, 2023)

Orange County Grand Jury Report – *Historic Rain, Yet Drought Remains* **June 2023**

BOARD OPTIONS

Option #1 – Have the Board of Directors approve MWDOC's response letter on the Orange County Grand Jury's findings and recommendations, and have staff submit the letter to the Presiding Judge of the Superior Court before September 5, 2023

Fiscal Impact: There is no financial impact identified.

Business Analysis: Approving our response letter will allow other Orange County agencies, that fall under "required and requested to respond" to the Grand Jury's Report, to review and analyze our responses.

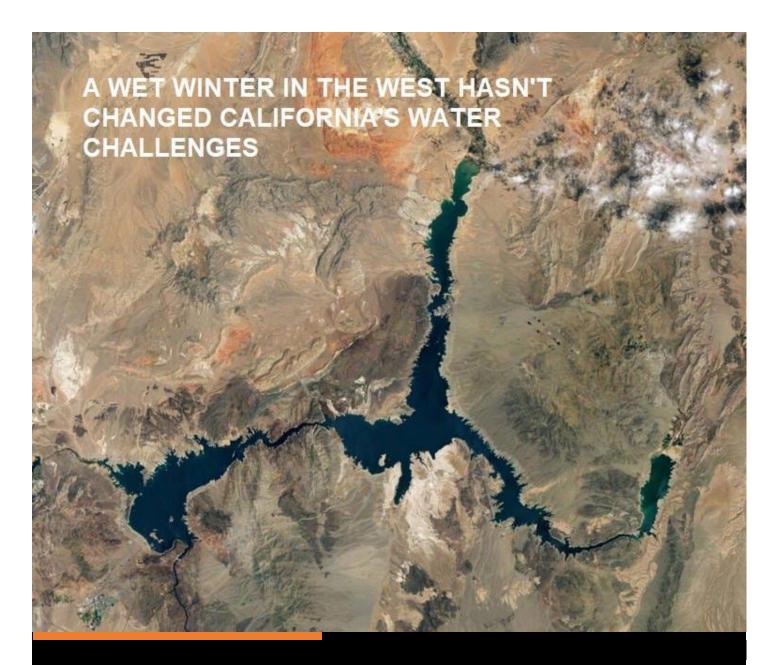
Option #2 – Not approve the response letter at this time and have staff modify the letter for review and approval before September 5, 2023 due date.

Fiscal Impact: There is no financial impact identified.

Business Analysis: Delaying approval of MWDOC's letter may not provide our retail agencies time to review our responses to the Grand Jury's findings and recommendations by the due date.

STAFF RECOMMENDATION

Option #1



Historic Rain, Yet Drought Remains



County of Orange

Grand Jury 2022-2023

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SUMMARY

The "atmospheric river" of winter 2022-23 in California, causing floods in the lowlands and record snowpack in the mountains, has many people assuming that the "drought is over." *This assumption is far from the truth*. Drought conditions are here to stay. While Orange County dams and reservoirs are currently at full capacity and the Sierra snowpack is at its deepest level in many years, there has been limited impact on the Western Rockies, the Colorado River, Lake Powell, and Lake Mead from which Southern California draws a significant amount of its potable water supply.

For the purposes of this report, the Orange County Grand Jury differentiated between source and supply. The source of water is the ocean and the resultant precipitation. The supply of water is how precipitation is captured and delivered to consumers of water, including recycling and reuse of this water.

Climatologists, water experts, and water managers agree we must adapt to climate change because longer droughts and extreme weather patterns are inevitable, adding urgency towards finding new methods for obtaining additional water sources.

In Orange County, the lack of available water over the past few years has frequently been identified as a "Water Crisis", yet the phrase has failed to capture the scope of how dire the situation is. Generally, people don't think about having enough water because it has been reliably available their entire lives. Throughout the county, there are numerous innovative water projects under consideration or development, but they may not be timely enough to avoid people running short of water and having to conserve much more, ultimately leading to mandated rationing.

Approximately half of all water used in Southern California is imported from the Colorado River and from the California Aqueduct. This imported water is severely constrained and unreliable. With infrequent and unreliable amounts of precipitation supplying both the Northern California Water Project and the Colorado River, the situation is becoming more critical. Several South Orange County cities rely almost solely on these imports. Locally, significant efforts are being made to re-use wastewater. These efforts are limited by the amount of water available from everyday use and do not create a new water source.

North and Central Orange County are served by a well-managed supply of water in underground storage, but it cannot meet the needs of the entire County. South County is entirely dependent on imported water.

The State of California mandated local governments to provide more affordable housing and is also promoting higher density development. This does not recognize the limitations of the current water supply and its social and economic impacts. The State has failed to provide a supply of water to support these mandates.

Public awareness must be expanded to encourage better management of our water by expediting the process for planning and construction of new water sources such as desalination and prioritizing funding.

The Orange County Grand Jury recommends the creation of a "Climate Resiliency District" to lessen the County's dependence on State and regional water projects. Just as Orange County supported Measure M and created the Orange County Transportation Authority to solve the county's transportation crisis, the same bold leadership is needed to solve the county's water crisis.

This report presents information about the current crisis in water planning, existing projects to increase the supply of non-potable water for irrigation, and storage issues. The report makes recommendations for a reliable source of potable water through desalination of ocean water.

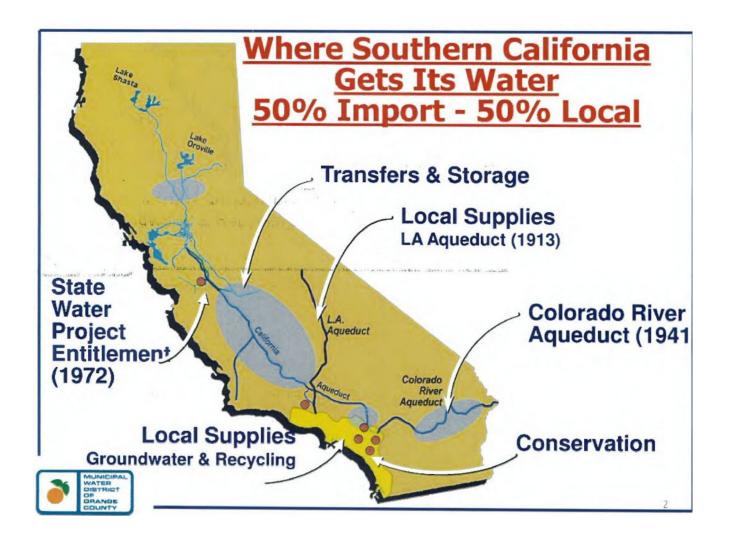
BACKGROUND

Water is our most precious resource, but due to shifts in climatic weather patterns, the reliability of traditional water supplies is under intense pressure in Orange County. Many water business insiders are stating privately that these systemic events are now at a "crisis" stage, despite the recent precipitation.

To date, traditional water suppliers in Orange County have not addressed the implications of this systemic shift. They have maximized local resources by recycling, capturing flood water runoff, and finding new areas for storage. However, they have yet to fully develop a transformational drought-resistant water resource outside the status quo.

Numerous past Orange County Grand Jury reports¹ have dealt with the internal governance and organizational structure or the need for conservation efforts to maximize water utilization. This report elaborates on the dependency on outside water supplies such as the California Water Project and the Colorado River Basin that provide over 50% of our county's local water supply. South Orange County lacks a bountiful aquifer that provides North and Central Orange County with 70% of its water supply.²

South Orange County depends on imported water for 90% of its needs. These imported water supplies are becoming less reliable, with annual reductions occurring in both the California Water Project and the Colorado River Basin creating major disruptions. Conservation measures have been put in place throughout Orange County to maximize existing supplies to help mitigate these concerns. This is simply inadequate to resolve the long-term supply issue. One of the ways to resolve this issue is desalination, a proven alternative that has not yet been fully implemented in Orange County.



REASON FOR STUDY

The Western United States is experiencing a water crisis. The climate is changing, and our supply of water has diminished while our population has increased. This situation did not occur overnight and the efforts to mitigate the crisis have been slow and ineffective.

Existing water agencies in Orange County are not adequately structured or managed to implement the transformational strategies necessary to create a new source of potable water, specifically through desalination. It is possible that a merger of two or more agencies could pivot this new source, but they are already performing the functions for which they were created and it might be difficult to assimilate new functions. The Orange County Grand Jury recommends the creation of a new agency, a Climate Resiliency District, to develop and manage this drought-resistant resource.

Local water suppliers, including cities and special districts, are to be commended for attempting to meet the crisis within constraints. The Orange County Water District very

successfully manages the ground water basin serving North and Central Orange County. These efforts include actively pursuing water transfer and water banking agreements outside of Orange County. Local water suppliers need to expand their portfolio to meet demands. Additional capture of precipitation, supplying groundwater through infiltration, additional storage systems, development of ocean desalination, and recycling and reuse of water all need to be considered and improved and implemented.

The general public, the ultimate users of the water, need to continue their efforts to conserve water by installing low-flow toilets and showerheads, appliances that use less water, using recycled water for landscape irrigation, and eventually accepting the use of recycled water purified for drinking purposes. They also need to support and expedite the development of desalination plants to create a new source of water for the future. It will be necessary for the water suppliers to develop effective public awareness programs to help the public understand the need and desirability of this new paradigm.

METHOD OF STUDY

The Orange County Grand Jury (OCGJ) took the following steps in investigating this issue:

- Identified and interviewed key personnel:
 - Persons or entities responsible for providing potable water to their Orange County constituents
 - Persons knowledgeable in projects to improve capture, reclamation, recycling, delivery, and infrastructure improvements
 - Persons involved in the planning and execution of providing new habitable dwellings
 - Persons who are reputable in the field of climatology past, present, and future
- Reviewed information from the various water districts and interested parties including:
 - Orange County Water District (OCW)
 - Orange County Coast Keepers
 - California Department of Water Resources
 - Miscellaneous Water Districts
 - Municipal Water District of Orange County (MWDOC)
 - Metropolitan Water District (MET)
- Reviewed numerous documents pertaining to this report (see bibliography for complete list)
- Members of the OCGJ toured the following facilities:
 - Municipal Water District of Orange County Headquarters
 - Orange County Water District Ground Water Recovery Facility
 - Metropolitan Water District
 - Headquarters

- F.E. Weymouth Water Treatment Plant and Quality Control Laboratory
- Pure Water Southern California Demonstration Plant in Carson

INVESTIGATION AND ANALYSIS

Climate

The current state of our climate is a prolonged drought. To survive, local sources of water need to be more resilient.

Throughout Earth's evolution, there have been and continue to be impacts on its climate. The continents have been drifting since there was a super continent, Pangea, 175 million years ago. The resulting different geographic locations have differing climate conditions which are still evolving. These "climate changes" have been extensively studied and documented by paleo-climatologists, and their data has been used to forecast what climate conditions will most probably be in the future.

"The current state of our climate is a prolonged drought. To survive, local sources of water need to be more resilient. "

Today's scientists and climatologists agree that Earth is changing due to evolutionary cycles and that climate warming is being acutely exacerbated and accelerated by the effects of human activities. Worldwide, glaciers are receding, sea levels are rising, and permafrost melting. Many global regions that were historically self-sufficient for potable water are now in periods of extended drought where precipitation is a declining resource. Orange County is directly affected by the resulting effects of climate change, evidenced by water reduction mandates and the various proposed means and methods to capture, recycle, and store more water.

This report acknowledges climate change and its effects on the people of Orange County. It examines whether the current proposed means and methods for securing more water are sufficient to sustain the projected growth in the county and support the green and vibrant lifestyle to which its inhabitants have become accustomed.

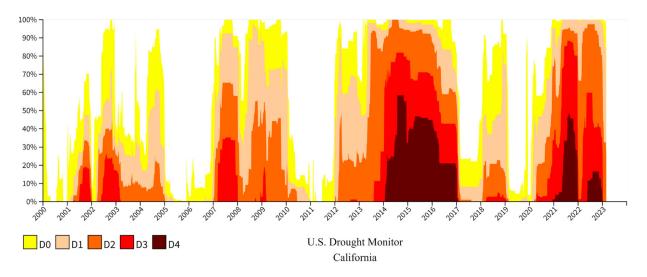
As evidenced over the past five decades, the durations and resulting expectations from the seasons in this geographic region of the U.S. (Western) have dramatically changed. Winters have seen declining periods of sustained precipitation, and summers are hotter, longer, and drier. This has directly affected the rivers, lakes, streams, dammed reservoirs above ground and aquifers below ground that rely on melted snow and rain for continued and reliable replenishment. Paleo-climatologists have validated the past

climate drought trends, and today's climatologists are predicting the same, punctuated by infrequent periods of precipitation, like the precipitation events of this past winter (2022-23). This all points to the current supplies of water not being dependable.

Key facts and predictions identified during interviews and the numerous climate articles reviewed are:

- The current Western United States drought is the longest in 1,200 years
- The drought is likely to continue for the next 100 years.
- The current Southern California climate is characterized as "drought" but this is likely to be interrupted by infrequent wet years.
- Human activities have affected the climate. The Southern California climate is expected to enter a cooler phase based upon long-term historic trends, rather than the current warming.
- Even if carbon emissions are suddenly decreased, the climate could take up to 100 years to adjust.

The following graph illustrates the current tendency of the climate. It shows five categories: Abnormally Dry (D0), showing areas that may be going into or are coming out of drought, and four levels of drought (D1–D4). The darker the color, the deeper the drought. It clearly shows increased and more frequent levels of drought for California.



Drought as the norm has reduced precipitation as a source of water and Orange County needs to respond to it by providing a more drought resilient supply of water.

Water Demands

• In the past fifty years, California's population has nearly doubled. Water is needed, and expected, to sustain the current population in all aspects: quality of life, commerce, industry, agriculture, etc., and promote growth and development. However, current, and foreseeable circumstances regarding water availability

- have severely impacted modern Californians' expected way of life. To preserve the status quo, water reduction mandates are used to facilitate further development.
- Some water agencies are paying farmers to not grow crops. They are transferring the farmer's water rights to the water agency to feed the thirst of metropolitan areas. Many projects to capture, transport, and store water have been proposed but not yet constructed due to various political and environmental obstructions. The projects that have been approved to capture, store, recycle, and transport more water will only succeed if there is enough water to do so. Precipitation is a declining source of water. Interviews with water experts, e.g., wholesalers, retailers, and suppliers have said that "we cannot conserve our way out of the drought" but they have yet to make Orange County self-sufficient.

Overview of Water Suppliers and Agencies

The water supply for Orange County is primarily managed by three entities – Orange County Water District (OCWD), Municipal Water District of Orange County (MWDOC), and Metropolitan Water District (MET).

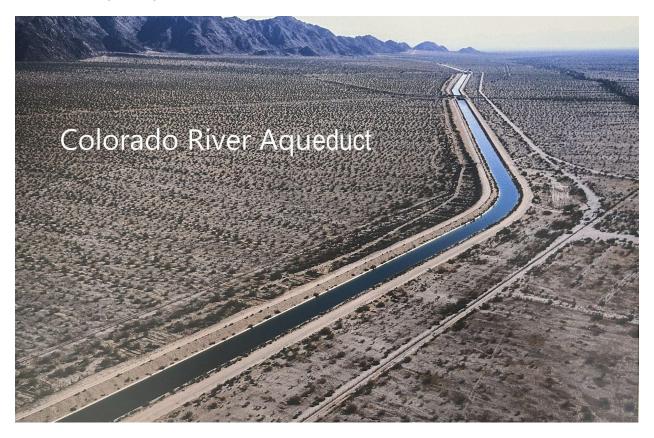
Consumers receive their water from 29 independent water districts and cities. The suppliers primarily receive water from either the groundwater basin managed by OCWD, directly from MET, or through MWDOC. The water agencies also have additional minor supplies of water, including treated surface waters and supplies obtained from agreements with other entities. Some of the water agencies provide treated wastewater for landscaping and industrial uses (recycling).

Metropolitan Water District (MET) – (Water Wholesaler)

The Metropolitan Water District (MET) serves the water needs of Southern California by securing and transporting water. This includes overseeing the importation of water from the Colorado River Basin since 1941 and the State Water Project since 1971. MET is a wholesaler which sells and allocates this water to other water agencies, municipalities, and counties from Ventura to San Diego. Orange County receives its purchased allocation through the Municipal Water District of Orange County. Recognizing the long-term effects of drought and reduced flows from the Colorado river and California Aqueduct, the MET has initiated major water conservation and recycling programs to make water management a priority. They have attempted to create storage capability and negotiate contracts with the agricultural entities within the Colorado basin to limit their water usage and acquire their allocations.

The long-term threat of climate change and historic droughts have challenged MET and they have failed to identify new supplies of water beyond their historic charter. The State Water Project is delivering only 10% of the historical allocation and the Colorado River supply allocation was reduced 25% in 2022.

Metropolitan Water District is in the water movement business and is not historically tasked with securing new sources of water. As the leading water agency in Southern California, MET has not taken on this responsibility. Their supply of water is dependent on precipitation. When the water allocation was reduced from the State Water Project, MET had to switch many of its customers to the Colorado River. However, numerous articles have documented that the lakes on the Colorado River (Mead and Powell) are at the lowest levels since they were built, and their future viability is at question due to a decade's long drought in the west.



The State Water Project⁴ includes 700 miles of delivery canals (California Aqueduct) that serves 27 million people and irrigates 750,000 acres of farmland, which supplies fifty percent of the United States' produce. The project originated in 1960 and although it is well maintained, it has not been upgraded in years. The water for the State Water Project comes primarily from the Sacramento-San Joaquin Delta. When forming its water strategies, Orange County needs to recognize that the State Water Project's reliability is in doubt due to its 53-year history of not being adequately maintained.

The Colorado River has been in the news due to the drought reducing its flow over the past twenty years. The agreements regarding the allocation of Colorado River water are set to expire in 2026 and are currently being renegotiated. Water levels at Lake Mead and Lake Powell have dropped significantly, and experts say it would take at least 10 years of above average precipitation to restore them. Orange County should simply not rely upon the Colorado River as a dependable supply, now or in the future.

Following numerous interviews and a thorough review of project documentation, the Grand Jury reached several conclusions regarding MET programs to replace dwindling

water supplies. Most notable is that the Carson wastewater reclamation project is years away from being completed and 20 years behind similar projects in Orange County. Overall, MET cannot be expected to significantly replace the reductions in water allocations from the Colorado River and the State Water Project within the next decade.

"MET water will not be reliable for at least a decade and Orange County needs to consider developing other resources to make up for this lack of reliability."

Municipal Water District of Orange County (Water Wholesaler)

The Municipal Water District of Orange County (MWDOC) is primarily a wholesale water provider and, to a lesser extent, a water resource development and planning agency for nearly 3.2 million Orange County residents, and businesses. MWDOC buys imported water from the California State Water Project in Northern California and the Colorado River through the Metropolitan Water District of Southern California. MWDOC has four representative seats on the Metropolitan Water District (MET) Board. Through its member agencies, MWDOC covers all of Orange County except the Cities of Anaheim, Fullerton, and Santa Ana.

Orange County must import water due to limited local water supplies. Central and North County import approximately 30% of their water to supplement its existing supply. However, South County is highly reliant on the Municipal Water District, as South County water districts must import 90% of their water supply from outside of Orange County.

The Municipal Water District of Orange County is extremely important as a wholesaler or broker to the retail water districts in Orange County and as a representative of Orange County's interest on the Metropolitan Water District Board.

MWDOC has completed a comprehensive study of Orange County's water reliability needs that could serve to achieve a climate resilient water supply. The study covers MET system reliability and Orange County projects including desalination projects, water shed projects, and water banking projects. The study also identifies the crisis Orange County is facing – by 2030, eight out of every ten years can be expected to be in drought. However, the study is devoid of information about financing and implementation, and its conclusions rely too much on MET efforts that are decades behind where they should be.

Based upon this study and MWDOC's countywide area of responsibility, MWDOC could conceivably lead Orange County's efforts to plan, finance, and implement water source and supply projects.

MWDOC serves no other purpose than to distribute water and has not attempted to expand its supply of water beyond its engagement with the MET. Previous Orange

County Grand Juries have recommended that the MWOC and OCWD merge for a more efficient and streamlined approach towards water management.

Orange County Water District (Water Wholesaler)

The Orange County Water District (OCWD) provides water to 2.5 million residents in North and Central Orange County. The District effectively manages the Orange County groundwater basin that provides approximately 77% of water used in the region. It supplies the 19 cities and retail water agencies in Central and North Orange County with potable water. As the sole adjudicator of Orange County's ground water basin, the agency plays a vital role in assuring the aquifer is effectively managed.

The Orange County Water District has been a true innovator in water management and operates the world's largest water purification replenishment system for indirect potable water use. Over 130 million gallons per day are recycled into the Orange County aquifer, thus replenishing this vital resource. It has exhausted the wastewater supply available for recycling through its comprehensive efforts.

The management of Orange County's underground reservoir has been exceptional. OCWD has also implemented a regional groundwater banking program to assure long-term reliability and increasing stormwater capture behind Prado Dam where water eventually gets released and recharged into the Orange County aquifer, thus becoming part of the local water supply.

Despite its absolute success at recycling, the Orange County Water District must still import 23% of its water brokered by the Municipal Water District of Orange County through the Metropolitan Water District. The local Orange County ground water basin is simply not large enough to meet demand.

Water Retailers

The **Irvine Ranch Water District** serves a large Orange County populace of 600,000, primarily in the Cities of Irvine, Lake Forest, parts of the Cities of Orange, Costa Mesa, Tustin, and Newport Beach. IRWD provides water as well as reliable sewage collection and treatment. The combination of being a water retailer combined with managing sewage treatment has allowed IRWD to implement groundbreaking recycling water programs for non-potable use and innovative urban runoff programs. The district relies partially on the Orange County basin for its water supply, but also is dependent on 20% of imported water from the Municipal Water District of Orange County.

As an innovator, the IRWD secured rights to the Kern water basin for water storage. This storage reduces its reliance on Metropolitan Water District and provides access to a potential supply of water in an emergency. Through conservation and water efficiency programs, IRWD has reduced overall water consumption year over year allowing development to continue to move forward unabated within the jurisdiction it serves. However, growth in community development exposes IRWD to shortages as its allocation of imported water is determined by Municipal Water District of Orange County.

The **Moulton Niguel Water District** serves 170,000 residents in South Orange County, and is highly dependent on imported water from the Municipal Water District of Orange County (in excess of 90% of its potable water). Therefore, the District has made a major effort to drive efficiency and conservation efforts, which have been successful in reducing water utilization and continue to allow local development. Negotiations are underway with local sanitation districts to attempt to initiate recycling programs for the betterment of the community. The collaboration with South Orange County Wastewater Authority (SOCWA) has been less than cooperative thereby impeding recycling efforts. Should the Municipal Water District of Orange County fail to deliver the required water, Moulton Niguel Water District is highly vulnerable to supply disruption.

The Rancho Santa Margarita Water District (RSMWD) imports 100% of its potable water from the Municipal Water District of Orange County and services over 200,000 residents in south Orange County, primarily the eastern portion of Orange County from Mission Viejo to San Clemente. As a result, the District has committed to developing local reliable drinking water supplies. RSMWD constantly monitors opportunities to enhance its water portfolio. The current major effort is the San Juan Watershed project that will capture local stormwater runoff as well as directing recycled water to recharge the local underground aquifer.

Conservation water efficiency efforts have also played a major role to minimize water usage. Within RSMWD's service area, there are major communities being planned. The planned communities under development, Los Flores and the Ranch, will add 15,000 homes or approximately 60,000 additional residents to the District's customer base. With this development the water demand will increase and therefore will increase the need to import water. Should Municipal Water District of Orange County fail to deliver required water, RSMWD is highly vulnerable to supply disruption.

The **South Coast Water District** (SCWD), like other south Orange County water districts, is highly dependent on imported water from the MWDOC. SCWD serves 35,000 residents and 2 million visitors a year. SCWD relies on 90% of its potable water being supplied by the MWDOC. SCWD is to be applauded in its attempt to expand its efforts to decrease its dependence on imported water. Recently, SCWD was granted approval to proceed with an ocean desalination plant of 5 million gallons of water a day. The plant is to be built within the next five years. SCWD is working to maximize recycling efforts to minimize reliance on imported water. Major conservation and water efficiency programs have been implemented locally. Until the desalination plant comes online, and should MWDOC fail to deliver required water, SCWD is highly vulnerable to supply disruption.

Until the desalination plant comes online, and should MWDOC fail to deliver required water, SCWD is highly vulnerable to supply disruption.

Other Orange County Water Suppliers. Water wholesalers in Orange County work with local water retailers to provide water to their residents. The Orange County local retailers include 29 cities and local water districts.

Most of the cities and water agencies have implemented programs to minimize water utilization to become more efficient. They are to be applauded for their efforts.

South Orange County retailers Moulton Niguel Water District, Rancho Santa Margarita Water District, and South Coast Water District are highly dependent on the importation of water, in excess of 90% of total local demand.

Irvine Ranch Water District is included because of the unique characteristics that were identified during the course of this investigation. Specifically, the Grand Jury noted its creativity in securing potential sources of water coupled with the continued development of the Irvine Ranch and water required to serve new residents.

South Orange County retailers are highly dependent on the importation of water for more than 90% of local demand. The Grand Jury's investigatory efforts have included a focus on this dependency.

State of California Managed Supplies

The State of California is responsible for operating the State Water Project, planning and implementation of statewide projects for water supply, State bond financing for projects, and management of federal and State funding programs. These have been insufficient to address the threats to Orange County water supply.

Water management in California is very complex. There are numerous constituents placing a huge demand on water resources: agriculture, urban centers, industry, business, developers, tourism, and residents. This pressure coupled with an antiquated water structure with hundreds of water wholesalers and retailers makes a challenging dynamic.

Environmental pressure exacerbates the challenge. The State's lack of long-term solutions to California's water needs is not new. No new reservoirs have been built since the 1970's when the population was 20 million people. 50 years later, California's population has almost doubled to 39 million. For years, the State has studied proposals to secure additional supplies of water by moving water from the Sacramento delta to Southern California through the California Water Project, with no discernable results. The project is needed to protect the existing water supply and secure additional water but has been bogged down by debate about approach and environmental review.

No new reservoirs have been built since 1970 when the population was approximately 20 million, yet California's population has almost doubled to 39 million.

In 2014, a bond initiative was passed to provide \$7.3 billion in funding for 10 new reservoirs and other water related projects, yet the reservoirs have not been completed. The recent rains that swept California this winter resulted in billions of gallons of water flowing out to sea.⁵ The California Natural Resources Agency maintains a web page that shows the progress of the bond issue.⁶ The web page shows most of the funds have been committed but lacks information regarding what has been accomplished.

In terms of planning, in August 2022, the California Environmental Protection Agency issued a major report entitled "California Water Supply Strategy – Adapting to a Hotter, Drier Future, California Agencies." But the strategy does not detail schedules or actions or assign resources or funding. In the report, the Newsom administration points out that in order to deliver the pace and scale of projects necessary to meet California's water crisis, the State's regulatory structures must be modernized so that "State agencies can assess, permit, fund and implement projects at the pace this climate emergency warrants." The report does not describe how Newsom's directive is to be understood or executed. Other relevant State reports touching upon State water resources include those on climate change, water supply assessment, and an analysis of recent droughts. While all these reports help identify problems, they provide few and limited actionable recommendations.

The California State Water Control Board is the State's key water agency, yet its focus on water supply is not clear. Other State agencies that have water oversight include: the Department of California Water Resources, the California Water Commission, and the National Resources Agency, and State Conservancies, such as the Sacramento-San Joaquin Delta Conservancy that are involved in water grants and planning. The State environmental and river basin authorities also complicate planning and actions. There seems to be no coordinated focus on water supply.

The Sacramento-San Joaquin levees are very important to the State Water Project. They protect the integrity of the system. For decades, the levees have been identified as needing bolstering, yet this has not been done. If the levees fail or are breached there will be an influx of brackish water from the San Joaquin Delta that will contaminate the fresh water in the Project, making it unusable. The recent rains have focused the need for action, yet nothing is likely to be done anytime soon. As an example, the need to capture and store rainwater in aquifers has been recognized for decades, yet the recent rainfalls show little has been done.

Recently, the State initiated the Delta Conveyance Project (DCP). This is a joint powers authority formed to help ensure water supply reliability for the State Water Project and to adapt to forecasts of future changes in precipitation and seasonal flow patterns due

to climate change. An important part of the DCP is a proposed tunnel under the Delta. The concept for the project originated in the 1970s and subsequent versions included the Trans-Delta System, Peripheral Canal, Bay Delta Conservation Plan, and the California Water Fix (a dual tunnel). The Delta Conveyance Project faces strong opposition from environmentalists. The prospect of the project being completed in a timely manner, if at all, is doubtful.

Governor Newsom himself noted the difficulty of getting water projects going in his statement at an August 2022 news conference: "The time to get these damn projects is ridiculous," Newsom said. "It's absurd. It's reasonably comedic. In so many ways, the world we invented from an environmental perspective is now getting in the way of moving these projects forward." Projects take decades to accomplish, if they are completed at all. The State cannot be relied upon for consistent water delivery in wet or dry years.

Water management in California can best be summed up as always studied but never resolved. The impacts of this paralysis mean that Orange County cannot currently rely on the State to identify or secure a new source or supplies of water.

Federal Intervention

California may have to reduce its reliance on Colorado river water under a proposal by the U.S. Department of the Interior, unveiled on April 11, 2023, that upends the longstanding system of water rights. The Department proposed two methods for reducing water usage by as much as 25% in 2024. The seven states utilizing the Colorado river have been negotiating with each other since August 2022 to make voluntary cuts. To date no agreement has been reached.

The U.S. Bureau of Reclamation, part of the U.S. Department of the Interior, warned that it would impose large cuts if the states relying on the river did not come up with a plan by January 31, 2023. The states failed to do so. Although California has experienced an unusually wet winter, this has not changed the Colorado River's longstanding challenges amid a much drier climate.

The rationing of water from the Colorado River basin appears inevitable at the time of this report, disrupting the long-tenured stability of Southern California's imported water supply. It reinforces the idea that the time to act for securing a new source of water for Orange County is now.

Water Justice

As the demand for water increases, not only to sustain the status quo but also for development, equal access to water must also be addressed. What regions will be entitled to preserve their way of life and what regions will have to compromise?

The cost of obtaining and distributing water is equally important to water justice. The projects required to ensure a reliable water supply are costly and, if delegated to the ratepayers, may have a significant impact on lower income households. Traditionally,

major water projects have been financed through state and federal governments or through special tax assessments. This is an easier burden on lower income groups than strictly through rate structures. Orange County should develop a funding strategy for water projects that is acceptable to rate-payers and does not overly burden lower income groups.

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Actions to Secure and Strengthen Supply

Numerous initiatives and projects have been planned to improve and strengthen the existing supply systems:

- 1) water banking,
- 2) purchasing water rights,
- 3) recycling water,
- 4) reuse of water for potable purposes,
- 5) aquifer management,
- 6) utilization of other supplies, and
- 7) water efficiency.

However, these projects are years behind schedule and taking an extraordinarily long time to complete. These initiatives are important to point out as efforts, but it must be noted that by themselves, they are not solutions to Orange County's water reliability. The Grand Jury's evaluation of these efforts is included in Appendix A "Local Agency Action to Secure Water Supply."

The efforts to diversify the water portfolio and make the existing supply more resilient are commendable, but a new source is also needed.

Effective Management of Initiatives

Orange County needs an entity to champion and lead the efforts to develop a water source that will enhance the reliability of existing water supplies. Orange County water suppliers have completed and are engaged in several projects to improve the resilience of our water supply, but efforts for the whole County have been limited. A countywide effort to develop a drought-resistant source of water is necessary due to climate change.

Effective countywide management of water resources would alleviate the jurisdictional issues that have hampered the development of recycled water in South County including shared use of the aquifer for all of Orange County. A Climate Resiliency District could serve this purpose.

A Climate Resiliency District is authorized by the Climate Resilience District Act, codified in California Government Code Sections 62300-62312. Section 62301 describes the legislative intent of the Act:

It is the intent of the Legislature in enacting this division to provide the ability for local governments to create districts for the purpose of addressing climate change effects and impacts through activities and actions that include mitigation and adaptation, as necessary and appropriate, to achieve all of the following:

- (a) Providing a sustained and certain level and source of funding at the local level.
- (b) Allowing activities and actions on an appropriate geographic basis.
- (c) Facilitating the receipt and use of federal, state, local, and private funds.

The purpose of the Climate Resiliency District would be to promote a project that addresses drought, including multiuse land repurposing, groundwater replenishment, groundwater storage, or conjunctive use. ⁹ It is envisioned that a Climate Resiliency District would be capable of planning and financing water source projects such as desalination that are beyond the means of existing Orange County water agencies.

There were concerns about a Climate Resiliency District expressed by some water district leaders interviewed by the Grand Jury. They stated that a Climate Resiliency District might be another level of bureaucracy that could impede the pursuit and development of their own projects. However, these concerns would carry more weight if planned projects were actually being implemented.

Alternative structural entities could be a joint powers authority (JPA) created for this purpose, either spearheaded by Orange County Water District (OCWD) or Municipal Water District of Orange County (MWDOC), or a collaborative effort between both.

The Joint Exercise of Powers Act, codified in California Government Code Section 6500 et seq., authorizes two or more public agencies, by agreement, to exercise any power common to the agencies to provide more effective or efficient government services or to solve a service delivery problem. A JPA could plan, finance, and implement water source and water supply projects. Similarly, Orange County Transportation Authority (OCTA) was created in 1991 to fund, plan, and implement transit and capital projects. OCTA has been successful in solving some of Orange County's transportation needs. A JPA focused on Orange County's water needs could similarly succeed.

Forming a JPA to comprehensively address all of Orange County's water needs would ultimately require the cooperation of 29 entities including special water districts and cities that supply water. The political effort required for this cooperation would be significant and would require a new approach towards such collaboration.

Either separately or cooperatively, OCWD or MWDOC could take the lead for the planning, financing, and implementing of water source and supply projects to the benefit

for all of Orange County. Unifying the water districts is also a possibility, as previously reported by the 2021-2022 Grand Jury. 10

Through its member agencies, MWDOC covers all of Orange County except the Cities of Anaheim, Fullerton, and Santa Ana. MWDOC has completed a comprehensive study of Orange County's water reliability needs that could serve as means to achieve a climate resilient water supply. The study covers MET system reliability and Orange County projects including desalination projects, watershed projects, and water banking projects. The study clearly identifies that Orange County is facing a water crisis, and forewarns that by the year 2030, eight out of every ten years can be expected to be dry. Based upon this study and MWDOC's countywide charter, MWDOC could accept responsibility to lead Orange County's efforts to plan, finance, and implement water source and supply projects. However, the study would need to be updated, as it is totally devoid of financing and implementation data, and it relies too much on MET efforts that are decades behind where they should be.

Orange County needs a champion to lead the efforts to develop a water source and to enhance the reliability of existing water supplies. OCWD and MWDOC have planned but failed to implement a solution, and a joint powers authority requires a level of political cooperation that may not be possible with 29 separate water agencies. Therefore, the County of Orange should initiate the Climate Resiliency District to plan, finance, and implement water supply projects to meet future conditions and needs.

Orange County needs a champion to lead the efforts to develop a water source and to enhance the reliability of existing water supplies

Public Awareness of the Need for Action



Public awareness of the consequences of current and future climate change is important as a catalyst for adapting to the change. In the past several months, there have been numerous newspaper and magazine articles on water concerns in California and the Western United States. There have also been at least two television documentaries. Many local water agencies have included fact sheets and other information on their web pages and in monthly statements warning of the water "crisis". These messages have resulted in increased public awareness but more needs to be done. Public education to promote projects to address the crisis is a must.

As a result of increased public awareness, water agencies have noticed a decrease in per-capita water usage. The public is using water more efficiently. However, several Grand Jury interviewees noted that we cannot conserve our way out of the drought. Solving Orange County's future water shortfall through conservation alone would require drastic changes in water usage and would likely meet strong public resistance. Additional efforts are needed to inform the public of potential lifestyle changes if additional water sources and supplies are not developed.



Some water agencies in Orange County have conducted public campaigns to make the public aware of the need to increase rates. The rate increases are for projects to increase the water supply and source resiliency of the agency. South Coast Water District's outreach to its customers has been most notable and enabled the District to proceed with community support for the Doheny Desalination Project.

The public needs to be galvanized to move forward. The Grand Jury recommends that the County Board of Supervisors lead a countywide campaign to mobilize the public in support of new water sources that will make the supply systems more efficient and resilient.

Effect on Local Economy

If no new sustainable source of potable water is developed there will be an adverse impact on Orange County. While North Orange County has an underground aquifer with a substantial amount of water, South County is almost entirely dependent upon external supplies. Major strides have been made in recycling water for industrial and landscaping purposes, but there is still a shortage of potable water with the only current source of "new" water being the Doheny Desalination plant, which will take years to complete and probably not begin operations until 2028. Capital costs of building a desalination plant are generally beyond the capability of a single water district.

Water supplies collected through precipitation are the most economical but the most unreliable. There are insufficient storage facilities in Orange County for capturing precipitation and there are no aquifers in South County.

The State of California has mandated that municipalities create new housing opportunities, particularly low-income housing. Developers are required to install water saving features such as low-flow toilets and showers, water-saving washing machines and drought-resistant landscaping, all of which increase the cost of building. These features do not offset the effects of the drought, and experts predict an eventual shortage of water would result in a moratorium on development.

Businesses and industries such as retailers, manufacturers, and theme parks rely on clean and dependable water. If they cannot depend on the local suppliers their enterprises are at risk. Homeowners, as ratepayers, are likely to see increases in their water bills due to increased costs of purchased water by the wholesalers and retailers.

Severe drought, causing major reductions in river flow, has an adverse effect on hydroelectric plants resulting in shortages of power to the grid. Developing an alternative source of water (desalination) reduces the reliance on this supply for consumption, thus making more available for power generation.

... experts predict an eventual shortage of water would result in a moratorium on development.

Drinking Water Obtained from the Sea

South Orange County imports 90% of its drinking water, with most of it currently coming from the Colorado River. The allotment of water from the river is at serious risk and will likely be significantly reduced. In recent years, not enough precipitation has fallen to meet Orange County's drinkable water needs, and there is no way to make it rain or snow.

Seawater can be made into fresh potable water in a process called desalination, one of the solutions being considered to resolve this looming crisis. However, the Grand Jury determined that desalination is not being implemented fast enough. Although ocean desalination currently requires an initial capital investment and high operating costs and raises environmental challenges, critics acknowledge it would make a significant contribution to Orange County's water portfolio.¹²

Desalination is being used increasingly around the world to provide people with needed freshwater.¹³ According to the International Desalination Association, more than 300 million people around the globe receive their water from desalination plants.¹⁴

Multiple desalination plants are under consideration in California, with only a few in operation. The Carlsbad Desalination Plant, near San Diego, provides approximately ten percent of the freshwater used in the region, and Santa Barbara is currently

upgrading an older plant. Recently, two new seawater plants have received approval to begin construction: one on the Monterey Peninsula, and the Doheny Plant in Dana Point. Orange County must consider the benefits of a high-capacity facility as a means towards self-sufficiency.

Current challenges to desalination include planning, construction costs, impact on marine life from saltwater intake, high energy demands, operating complexities, difficulty of cycling plants on and off, and disposal of concentrated salt brine.

Desalination challenges are mitigated by creating economies of scale with high volume production and careful planning, selecting suitable locations, and technological improvements. For example, the Carlsbad plant produces 50 million gallons per day or more than 56,000 acre feet (AF) per year. The plant started operation in 2015 and reports that it produces water for ½ cent per gallon, or \$1600 per AF, in large part due to its high volume. For comparison, the MWDOC published rate as of January 1, 2023, is \$1,209 per acre foot. For County were to establish a similar facility, it would offset the need for imported water and allow imported water to be redirected to other Southern California communities relying on importation, such as Inland Empire.

The length of time to plan, obtain permits, and construct a desalination plant can take decades. A proposed plant at Huntington Beach was in planning and permitting for over twenty years and ultimately was not approved. South Coast Water District began the initial steps for the Doheny Plant at Dana Point in 2016 and it is expected to be in operation by 2028.

Unless the State of California initiates methods for expediting the planning and approval processes, it can take at least as long as these two projects for any new ocean desalination plants. The State has shown it can accelerate the approval process as evidenced by the approval of SoFi Stadium¹⁷ in record time by enacting legislation that expedited the permit and environmental requirements without compromise.

It is well known that desalination has an impact on the environment, and we are fortunate to live in a state where protecting the environment is important. Engineers and water experts are researching how to integrate more renewable energy into the next generation of plants. The environmental impacts and costs of desalination should be compared against the full environmental impacts and costs of importing water from 700 miles away, not just wholesale rate costs as is usually done.

Orange County cannot continue to rely on imported water, nor can it ignore the fact that there is an immediate need to take advantage of the ocean as a drought-resistant source of water. According to the Grand Jury's research and interviews, the environmental concerns, surrounding intake and outflow of saltwater, and high electricity demand are being met as evidenced by the Doheny approval, therefore allowing desalination plants to operate. Orange County should embrace desalination as a major part of an overall local plan, not just a last resort.

COMMENDATIONS

South Coast Water District is to be commended for its strategic foresight. The District has recently gained approval for the Doheny Ocean Desalination Project for which they initiated feasibility studies in 2008. The plant is now anticipated to be operational in 2028. The Doheny Ocean Desalination Project is a new, reliable, local, and drought-proof water supply. The Doheny Ocean Desalination Project is the first desalination project in the State of California to be fully compliant with the California Ocean Plan. ¹⁸

Orange County Water District successfully manages the aquifer under Central and North Orange County for the benefit of multiple water suppliers. It has also built the Groundwater Recovery System (GWRS) to treat wastewater to potable levels for supplementing the aquifer. Recently, it expanded and commissioned the GWRS. The Orange County Grand Jury commends OCWD for its work.

The water suppliers for Orange County have undertaking numerous initiatives to increase the resiliency of their water supplies. The Orange County Grand Jury commends these suppliers for their efforts and encourages them to continue pursuing expanded opportunities.

The Orange County public has significantly reduced the per-capita water usage through conservation efforts. This is important to maximizing the water supply. The Orange County Grand Jury commends the public for these efforts.

The Orange County Grand Jury commends the leadership of MWDOC and OCWD for their continued negotiations regarding merger.

The Orange County Grand Jury commends the Southern California news media for their continued efforts in reporting on the critical nature of our water supply.

FINDINGS

In accordance with California Penal Code Sections 933 and 933.05, the 2022-2023 Grand Jury requires (or, as noted, requests) responses from each agency affected by the findings presented in this section. The responses are to be submitted to the Presiding Judge of the Superior Court.

Based on its investigation titled "**Historic Rain, Yet Drought Remains**," the 2022-2023 Orange County Grand Jury has arrived at the 12 principal findings, as follows:

- F1 Future water supplies are impacted by climate change and current supplies will not meet future demands.
- F2 Climatologists predict future extended periods of low moisture with occasional wet years.
- F3 Climate change is inevitable and is exacerbated by human behavior.

- F4 South Orange County relies primarily on the importation of water.
- Local water suppliers recognize that enhanced stormwater capture and storage, wastewater recycling, and infrastructure improvements will not be sufficient to address the long-term forecast of drought and its effects on supply.
- F6 There is significant water infrastructure planning, but inadequate implementation.
- F7 The review and approval process for major water capital projects is cumbersome and overly restrictive.
- F8 Failing to find solutions to water shortages will have a significant impact on the Orange County economy.
- F9 Continued development in Orange County creates additional water supply needs.
- F10 Conservation and efficient use of water is essential.
- F11 Increased outreach and public education are necessary.
- F12 Desalination has proven to be technologically and environmentally feasible and is slowly being embraced as a drought-resistant source of water.

RECOMMENDATIONS

In accordance with California Penal Code Sections 933 and 933.05, the 2022-2023 Grand Jury requires (or as noted, requests) responses from each agency affected by recommendations presented in this section. The responses are to be submitted to the Presiding Judge of the Superior Court.

Based on its investigation titled "Historic Rain, Yet Drought Remains," makes the following four recommendations:

- R1 The County of Orange Board of Supervisors should take a leadership role by the end of calendar year 2023 to explore the establishment of a "Climate Resiliency District" or Joint Powers Authority to fund and expedite implementation of a drought-resistant source of water. F1, F2, F3, F4, F5, F6, F7, F8, F9, F12
- Orange County water agencies should expedite the planning, development, and construction of desalination plants over the next five years to insure a sustainable and reliable drought-resistant source of water. F1, F2, F3, F4, F5, F6, F7, F8, F9, F11, F12
- R3 The County of Orange and all Orange County cities should formulate an emergency development moratorium plan in anticipation of the Colorado River water supply being constrained. The emergency moratorium plan should be developed by the end of calendar year 2023. F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12

Orange County water agencies should update their public communication strategies, by calendar year end 2023, to inform the public of lifestyle changes if additional water sources are not developed. F10, F11, F12

REQUIRED RESPONSES

Findings – 90 Day Response Required

County of Orange Board of Supervisors	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Municipal Water District of Orange County	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Orange County Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Irvine Ranch Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Moulton Niguel Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Santa Margarita Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
South Coast Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12

Recommendations – 90 Day Response Required

County of Orange Board of Supervisors	R1, R3
Municipal Water District of Orange County	R2, R4
Orange County Water District	R2, R4
Irvine Ranch Water District	R2, R4
Moulton Niguel Water District	R2, R4
Santa Margarita Water District	R2, R4

Recommendations – 90 Day Response Required

South Coast Water District R2, R4

REQUESTED RESPONSES

Findings – 90 Day Response Requested

East Orange County Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
El Toro Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Anaheim	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Santa Ana	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Fullerton	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Emerald Bay Service District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Golden State Water Company	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Laguna Beach County Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Mesa Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Serrano Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Trabuco Canyon Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Yorba Linda Water District	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of San Juan Capistrano	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of San Clemente	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Tustin	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Fountain Valley	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12

Findings – 90 Day Response Requested

City of Westminster	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of La Habra	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Brea	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Buena Park	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of La Palma	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Seal Beach	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Huntington Beach	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Garden Grove	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
City of Newport Beach	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Santa Ana Water Shed Project Authority	F1, F2, F3, F5, F6, F7, F8, F9, F10, F11, F12
Metropolitan Water District of Southern California	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12

Recommendations – 90 Day Response Requested

District	R2, R3, R4
El Toro Water District	R2, R3, R4
City of Anaheim	R2, R3, R4
City of Santa Ana	R2, R3, R4
City of Fullerton	R2, R3, R4

Recommendations – 90 Day Response Requested

Emerald Bay Service District	R2, R3, R4
Golden State Water Company	R2, R4
Laguna Beach County Water District	R2, R3, R4
Mesa Water District	R2, R3, R4
Serrano Water District	R2, R3, R4
Trabuco Canyon Water District	R2, R3, R4
Yorba Linda Water District	R2, R3, R4
City of San Juan Capistrano	R2, R3, R4
City of San Clemente	R2, R3, R4
City of Tustin	R2, R3, R4
City of Fountain Valley	R2, R3, R4
City of Westminster	R2, R3, R4
City of La Habra	R2, R3, R4
City of Brea	R2, R3, R4
City of Buena Park	R2, R3, R4
City of La Palma	R2, R3, R4
City of Seal Beach	R2, R3, R4
City of Huntington Beach	R2, R3, R4
City of Garden Grove	R2, R3, R4
City of Newport Beach	R2, R3, R4
Santa Ana Water Shed Project Authority	R2, R3

Recommendations – 90 Day Response Requested

Metropolitan Water District of R2, R3, R4 Southern California

GLOSSARY

Acre-feet

The unit of volume typically used to describe the quantity of water stored in large reservoirs and aquifers and delivered through large conveyance systems for irrigation use and for treating for public use. An acre-foot is one surface acre that is one foot deep and is equal to 325,851 gallons.

Aquifer

An underground layer or body of permeable rock, sediment, or soil that can store and yields water. Orange County has a large aguifer underlying North and Central County.

California State Water Project (CSWP)

A multi-purpose water storage and delivery system that extends more than 705 miles and includes a collection of canals, pipelines, and reservoirs to deliver water to 27 million Californians, 750,000 acres of farmland, and businesses throughout the state.

Conjunctive Use

Using surface water in wet years and storing as groundwater for use in dry years. Surface water is injected directly into aquifers and wells to be used as needed as part of groundwater banking or is stocked in ponds or basins and then allowed to percolate naturally into aquifers.

Desalination

The process of removing salt from brackish water or seawater. For the purposes of this report, desalination is used primarily in terms of sea or ocean water.

Direct Potable Water Reuse

The process by which recycled wastewater is treated to a high degree suitable for potable use and placed directly into potable distribution systems. California has recently created regulations for direct potable water reuse.

Drought

A prolonged period of low or no rainfall that causes water scarcity and affects ecosystems, agriculture, and human health.

Gray Water

Wastewater from bathtubs, shower drains, sinks, washing machines and dishwashers; however, some plumbing codes exclude water from sink and dishwasher as being classified as gray water.

Ground Water Recovery System (GWRS)

Operated by Orange County Water District, the system takes highly treated wastewater that would have previously been discharged into the Pacific Ocean and purifies it to potable standards.

Potable Water Reuse Indirect

Treatment of water such as recycled wastewater, to a high degree suitable for potable purposes and uses an environmental buffer, such as a lake, river, or a groundwater aquifer, before the water is treated again and utilized as potable water. This process is used by Orange County Water District at GWRS to treat water and replenish the aquifer under North and Central Orange County.

Recycled Water

Water reuse (also commonly known as water recycling or water reclamation) reclaims water from a variety of sources then treats and reuses it for beneficial purposes such as agriculture and irrigation, potable water supplies, groundwater replenishment, industrial processes, and environmental restoration. For the purposes of this report, recycled water comes primarily from highly treated wastewater.

Reverse Osmosis

A process of producing pure water by forcing it through a semipermeable membrane that only allows water to pass. It is the primary method for large scale desalination and is also used as one of the final treatment steps for producing potable water from wastewater.

Sustainability

The long-term viability of a community or practice.

Urban Runoff

As commonly referred to in Orange County, surface runoff during dry weather of landscape irrigation, and car washing created by urbanization. It can also refer to the stormwater runoff over impervious surfaces (roads, parking lots and sidewalks). The concern with urban runoff is possible contamination of surface and groundwater.

Water Banking

The practice of forgoing water deliveries during certain periods, and "banking" either the right to use the water in the future or saving it for someone else to use in exchange for a fee or delivery in kind. Typically, in Southern California, it is stored in aquifers.

Water Source

As used in this report, a water source is defined as the ocean or precipitation.

Water Suppliers

As used in this report, water suppliers include water districts and cities that provide water to the public.

Water Supply

As used in this report, water supply includes water derived from a water source and that is stored, conveyed, and utilized by the public.

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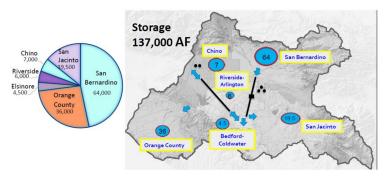
APPENDIX A: ACTIONS BY LOCAL AGENCIES TO SECURE SUPPLY

Water Banking:

Water banking may help with droughts but is only a part of the solution and it has yet to prove itself.

Water banking is being pursued Metropolitan Water District and various water suppliers. Simply put, water banking is a voluntary, market-based tool that could facilitate water transactions between willing sellers and buyers. Water right owners, who are willing to free up some of their water in a particularly dry year or years, would temporarily lease it to those who simply cannot afford to be without water. Water banking also takes water during periods when it is available and stores it. Banking water during wet years provides water districts with a cushion of protection during droughts. It also conserves any unused water, rather than letting it run out to the sea or be lost to evaporation. The storage is usually done in aquifers and generally not within the individual agencies area. The water banking agreements can be complex and depend upon broad cooperation among various agencies for delivery and storage.

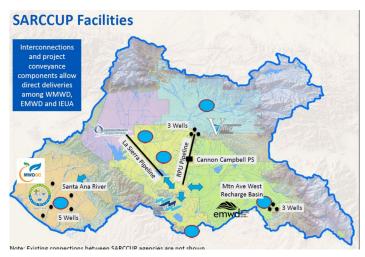
SARCCUP Water Bank Storage



Conjunctive use is a catchphrase for coordinated use of surface water and groundwater. The state considers water banking a "conjunctive use" and encourages such uses.¹⁹

On a statewide level, California has 517 groundwater basins.

Stanford's Water in the West institute estimates that the capacity of underground water storage in California is at least 20 times greater than that of the state's reservoirs and lakes. However, the means to store surplus water and return it in dry years is lacking. The Sustainable Groundwater Management Act of 2014 has created the opportunity to expand recharge basins and banking particularly in agricultural areas but to date, action is lagging.



The largest water banking project underway that affects Orange County is the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP). It is a regional program that involves several agencies in Orange County, Riverside County, and San Bernardino County. While a logical program to undertake, there are technical and distribution issues that must be worked out and these items may

take several years.

A more controversial banking program is the Cadiz project. The Cadiz Water Project is a water supply project to manage the groundwater basin underlying a portion of the Cadiz and Fenner Valleys in California's Mojave Desert. At least one water agency in Orange County has considered this program as a potential source of water to meet their needs. The program has been promoted since 1997



and has yet to move forward. There are several environmental concerns with the program and concerns about transferring water between basins, particularly one under a desert. The Cadiz project currently is not viable supply of water.

There are criticisms of water banking and its effect on local communities. A Georgetown Environmental Law Review article in March 2022 stated, "While advocates of water banking believe its market-based approach will efficiently allow a reduction of use of water, especially during droughts, opponents may cite some examples of how letting the market take over may be detrimental to local communities." Such concerns are valid and need to be considered prior to relying on water banking as the only solution to ensure water supply during times of drought.

Purchase of water rights

Temporary transfers of water from one water user to another have been used increasingly as a way of meeting statewide water demands, particularly in drought years. This has been done through the purchase of water rights. There are numerous articles concerning the possible negative effects of this practice, including the effects on less wealthy communities and agricultural. Due to these concerns, this practice should be limited. Farms in western Arizona are growing alfalfa – one of the most water-

intensive crops – in an area where there's a shortage of water. Some farms are foreignowned and are shipping the crop to Saudi Arabia, where it's illegal to grow because it takes too much water.²⁰

Water sources cannot be bought or sold but the water taken from a lake, river, stream, or creek, or from underground supplies for a beneficial use, requires you have a water right.²¹ The right to use that water can be conveyed on a temporary basis. Temporary transfers of water from one water user to another have been used increasingly as a way of meeting water demands, particularly in drought years.

During interviews, the Grand Jury found the purchase of water rights to be widespread. Agencies stated the cost of acquiring water rights is significantly less than developing new sources. The practice includes asking agricultural users to allow their land to lay fallow.

There are numerous articles about making the agriculture industry more efficient. These effects, if they occur, will take time and be costly. Taking water from a major industry to satisfy urban demands is inherently wrong and will not solve the problem of extended drought.

Recycling Water

Recycled water offers Orange County a way to reduce water requirements but is limited by the amount of wastewater that can be recycled which in turn is dependent upon available water supply. It is an important piece of Orange County water resiliency but not a solution itself.

Recycled water is wastewater that has been treated to a level acceptable for landscaping and certain other industrial uses. The regulations regarding the use and stand for treatment of recycled water are referred to as Title 22.²² Orange County has been a leader in recycling of water through Orange County Water District and Irvine Ranch Water District.²³ Irvine Ranch Water District reports that 25% of the water it supplies is recycled. Recycled water replaces the need for using potable water.

Currently, various water districts are expanding their recycling systems by constructing additional reservoirs and distribution systems. The cities and water districts in Orange County have also been active in sponsoring legislation that supports recycling of water.

South Orange County Wastewater Authority (SOCWA) treats and distributes for reuse roughly six billion gallons of water every year.²⁴ However, not all SOCWA treatment plants are recycling as much as feasible, most notably the JB Latham Treatment Plant does not recycle any treated wastewater. During the interviews, different agencies noted there are jurisdictional friction that is being worked on to increase recycling and potentially water reuse in South Orange County. The Grand Jury strongly encourages cooperation or mergers that would increase recycling in South Orange County.

In summary, water recycling is an important part of Orange County's water supply and needs to be utilized to the maximum extent. However, it will not resolve water resiliency issues by itself and it relies on existing sources of water.

Reuse of Water for Potable Purposes

Reusing wastewater for potable purposes is an important part of North Orange County's water portfolio. Orange County Water District produces 130 million gallons of indirect reuse water per day. However, the amount reused water is dependent upon the diminishing supplies within Orange County.

Water reuse is used to enhance water security, sustainability, and resilience. The process of using treated wastewater for drinking water is called potable water reuse. Potable water reuse provides another option for expanding a region's water supply portfolio.

There are two types of potable water reuse:

- Indirect potable reuse: Uses an environmental buffer, such as a lake, river, or a groundwater aquifer, before the water is treated at a drinking water treatment plant.
- Direct potable reuse: Involves the treatment and distribution of water without an environmental buffer.²⁵

Orange County Water District has been providing indirect potable reuse. In the mid-1990s, OCWD began the planning and construction that created the Groundwater Replenishment System to produce indirect potable water. The process built upon an earlier process to produce water to prevent groundwater intrusion. The process took over ten years to implement and the system is working well. However, it should be noted as being limited because it relies upon a declining supply and it is a lengthy process.

Interviewees have noted that OCWD is considering direct potable reuse. The State of California is currently enacting regulations to enable direct potable reuse. One of the advantages of direct potable reuse is the elimination of the loss due to evaporation at the percolation ponds and the efficiency of direct use.

In summary, water reuse is a vital part of the portfolio of water for Orange County to insure water resiliency. Water reuse should also be expanded to the practical extent possible. The time to complete such projects is lengthy and needs to be started immediately. However, reuse is only part of the water needed by Orange County and the source problem needs to be addressed.

Aquifer Management

Managing the aquifer underneath North Orange County created a highly resilient source of water, but it is challenged by the climate change. The main and supplemental supplies of water are diminishing with less precipitation. The use of the aquifer for wet

weather storage has not met it potential due to challenges in trapping rainwater and runoff. The aquifer has not been made a regular source of water for all of Orange County which could ease South Orange County's supply problems.

The aquifer supplies approximately 72% of the water for North and Central Orange County. The aquifer is primarily supplied by runoff in the Santa Ana River and supplemented with water from the OCWD's Groundwater replenishment project and water purchased through MWDOC and MET.

OCWD has done well managing the aquifer for North and Central Orange County with existing flows. It has also taken steps to increase the supply of water by working with the Corps of Engineers to better manage the flow of water in the Prado Reservoir, expanding the groundwater replenishment system, and participating in the Santa Ana River Conservation and Conjunctive Use Program.²⁶ All of these steps reinforce the ability of the basin to supply water but do not in themselves assure an increased supply water.

South Orange County can only receive water during times of emergencies but does not have regular access to the water. Interviewees noted there was a lack of ability to move water to South Orange County. Because South Orange County is almost 100% dependent upon water imported from MET, this is highly problematic during drought.

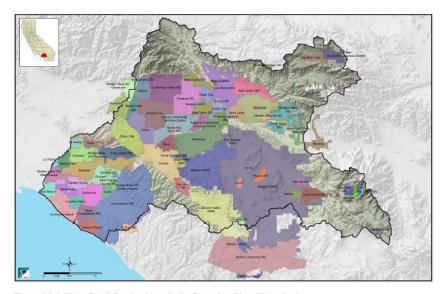
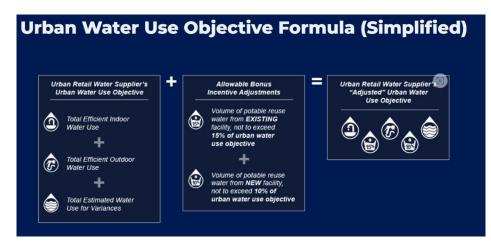


Figure 4.3-1. Water Retail Service Areas in the Santa Ana River Watershed

The Santa Ana River water basin covers San Bernardino and Riverside Counties as well as Orange County. The Santa Ana Watershed Project Authority (SAWPA) works to maintain the water quality in the Santa Ana River and is actively working on drought responses. According to its web site, "SAWPA's work in the Santa Ana River

Watershed advances projects and programs that build water resiliency and promote collaborative, innovative responses to water planning, all of which help address drought conditions."²⁷ SAWPA also prepared a water shed management plan.²⁸



Weather modification and promoting water efficiency are the primary drought responses of SAWP. Through weather modification (cloud seeding) it hopes to achieve 5% more precipitation in specific types of storms.

The water efficiency approach is to help implement water use efficiency programs and conservation-based rate structures.²⁹ We were provided with no specifics regarding what percentage can be saved, but through interviews the Grand Jury learned that the savings are between 15% to 30%.

None of the initiatives by SAWPA are likely to have an impact on water supplies during prolonged California drought. Interviewees consistently stated that we cannot conserve our way out of a drought.

Adding to the concern about the Santa Ana River ground water supply basin is the Inland Empire's future demands on the water. Development is rapidly taking place and surface water sources and water agencies are recycling water to greater degrees rather than discharging treated wastewater to the Santa Ana River.³⁰ The Inland Empire communities are largely dependent upon Metropolitan Water District supplies which are subject to drought.

Orange County Water District only has rights to withdrawing an adjudicated amount of 34,000-acre feet of water from the Santa Ana River. This is approximately half of the 70,000-acre feet typically used to manage the aquifer levels. OCWD typically purchases 30% of the water added to the aquifer from MWDOC. The water MWDOC supplies comes from Metropolitan Water District (MET). During late 2022, MET reduced the water from Northern California Sources to 5% of previous amounts. The water MET receives from the Colorado River is endangered as discussed elsewhere.

In summary, the Central and North Orange County aquifer has limits on its ability to supply water to Orange County. These include dependencies on water from Metropolitan Water District, which has had problems supplying water, and a potentially dwindling supply of water from the Santa Ana River. The aquifer is not a supply of water for South Orange County. The aquifer limitations reinforce the need for Orange County to provide for a more drought-resistant supply of water.

Utilization of other supplies

Besides the North/Central Orange County aquifer and those obtained from Metropolitan Water District, there are other insignificant supplies of water. These include surface water captured in Irvine Lake and the San Juan Creek Groundwater Basin in South Orange County. Neither of these are significant supplies of water.

Water Efficiency to Increase Supply

Orange County Water Districts have found they can reduce the immediate need for increasing water supplies by more efficient use of water. This certainly stretches the water supplies, but it is limited in its ability. Future water needs will require more than just efficient water use.

During the recent drought from 2011 to late 2022, Orange County Water Suppliers reduced the per-capita water use significantly by more efficient water use and conservation. This has allowed development to continue to occur even as the water supply was reduced.

Irvine Ranch Water District (IRWD) customers reduced their water use from 89 gallons per capita in 2007 to 67 gallons per capita in 2021.³¹ The area served by IRWD is a newer area where much of the landscaping is irrigated by recycled water and is drought tolerant. The IRWD also has extensive use of water saving plumbing in homes. Older areas of Orange County have also reduced per-capita water use. North and Central Orange County reduced water use from 330 acre-feet in water year 1999-2000 to 230 acre-feet in water year 2022-2023³² while the population grew slightly.³³

Water efficiency savings have been achieved by adopting water saving devices, changes in landscape practices, greater recycling of water, tiered water rates (higher users, higher rates) and the public's participation. Water suppliers have worked with users to identify the need for greater efficiency by promoting these changes. The State of California also mandated a 20 percent reduction in urban per-capita water use by 2020 in the Water Conservation Act of 2009.

The change to efficient use of water will need to become the future standard as water supplies diminish and as housing development increases. However, it is not reasonable to expect greater efficiency to make up for the reduction in supply caused by climate change. Several of the interviewees and many of the reference documents the Grand Jury reviewed stated Orange County cannot conserve its way out of a drought.

Besides the significant reduction in per-capita water use, greater savings may be made by more drastic changes in lifestyle. None of the information supplied by water suppliers and reviewed by the Grand Jury addressed these changes. As an example of lifestyle changes, areas such as Phoenix and Las Vegas have either adopted or are in the process of adopting drastic restrictions on landscape water use as a long-term climate mitigation. Among these restrictions is a moratorium on development by restricting new water connections.³⁴

Continue efficient water use is needed for the future. Orange County has made significant changes in per-capita water use by being efficient, but any additional savings will only come through changes to lifestyle. This needs to be made clear to residents if additional efficiency is to be achieved, but even additional efficiency will not mitigate the effects of climate on Orange County's current water supply. Ocean desalination is recommended as the ultimate answer to an untapped source of water and can secure Orange County's future.

APPENDIX B: graphics of interest

Metropolitan Water District of Southern California, Municipal Water District Orange County and Orange County Water District Information Sheets

COLORADO RIVER AQUEDUCT (CRA)



242 MILES LONG

The Colorado River is an essential water supply for Orange County.



The CRA transports water 242 miles west from Lake Havasu on the California/Arizona border to Lake Mathews in Riverside County.

Owned and operated by MWD, the CRA began delivering water to southern California in 1941 and was the largest public works project in southern California during the Great Depression.

Five pumping plants push water through the aqueduct and up over 1,617 feet of mountainous terrain.

DIAMOND VALLEY LAKE (DVL) MONTHS OF EMERGENCY SUPPLY

Located in Riverside County, near Hemet, DVL is Southern California's largest drinking water reservoir. DVL nearly doubles Southern California's surface storage and provides six months of emergency water supplies for the region, protecting it against water shortages caused by drought and earthquakes.

DVL measures 4.5 miles long and over 2 miles wide, with a maximum depth of 285 feet. The lake holds up to 264 billion gallons of water and is home to one of 16 hydroelectric plants along the MWD distribution system.







STATE WATER PROJECT (SWP)

700+MILES LONG

The State Water Project (SWP) is a water storage and delivery system that facilitates the transfer of water from the lakes and rivers of Northern California to residential communities, agricultural districts, and businesses in the San Francisco Bay area, Central Valley, and Southern California.

The SWP is the largest state built water delivery and power generation system in the nation, consisting of more than 30 lakes and reservoirs, over 20 water pumping plants, 5 hydroelectric power plants, several dams, and over 700 hundred miles of canals and pipelines.







WATER RECLAMATION

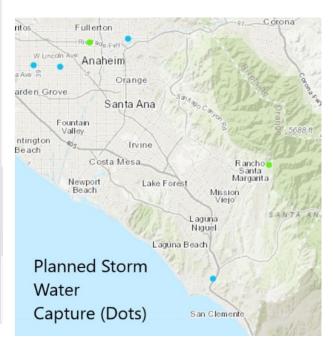
Wastewater has become an important source of water for California. Wastewater is processed at a water reclamation facility to remove solids and impurities, increasing the quality of water. The water, now clean, can be used for a variety of applications.

Reclaimed water is used for irrigation, toilet flushing, industrial purposes, and groundwater replenishment.









DIEMER WATER TREATMENT PLANT

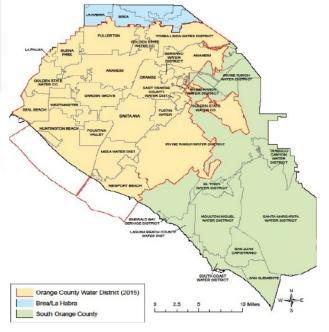


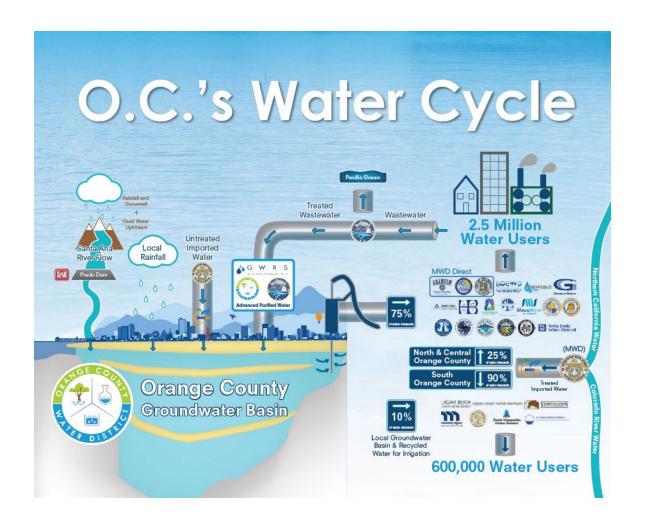


The Robert B. Diemer Treatment Plant (Diemer) is located in Yorba Linda. The plant's hilltop location is well suited for gravity-flow distribution of water to homes and businesses throughout Los Angeles and Orange counties. Most water brought to Diemer for treatment comes from the Colorado River via the 242-mile long Colorado River Aqueduct. To a lesser degree, the plant also receives water from Northern California through the State Water Project.

Diemer delivers up to 520 MILLION GALLONS of clean drinking water a day to Orange and Los Angeles counties.

Three Study Regions in Orange County Based on Mix of Local and Imported Water Sources





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NOTICE

Reports issued by the Grand Jury do not identify individuals interviewed. Penal Code section 929 requires that reports of the Grand Jury not contain the name of any person or facts leading to the identity of any person who provides information to the Grand Jury.

ENDNOTES

ORANGE COUNTY GRAND JURY 2022 I 2023

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- ²⁶ Drought Orange County Water District (ocwd.com)
- ²⁷ Drought Response SAWPA Santa Ana Watershed Project Authority
- ²⁸ Wic07Aone-one-watershed-plan-update.pdf (OCWD.com)
- ²⁹ Water Conservation Portal California Statutes | California State Water Resources Control Board
- ³⁰ Recycled Water Service Eastern Municipal Water District (emwd.org)
- ³¹ See Irvine Range Water District web site IRWDis
- ³² See Water Advisory Committee of Orange County Water Supply Report Dated March 3, 2023
- ³³ USA Facts Orange County, CA population by year, race, & more | USAFacts
- ³⁴ Water shortages threaten development throughout the West AZMirrow Article dated June 10, 20



GENERAL MANAGER REPORT OF STAFF ACTIVITIES

August 2023

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

MEMBER AGENCY MANAGERS MEETING

MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on Thursday, April 20, 2023.

In attendance: Rudy Correa & Matthew Matlock – Brea, Mike McGee - Buena Park, Christine Smith – Fountain Valley, Andrew Ferrigno – Huntington Beach, Cel Pasillas - Garden Grove, Jake Chavira - La Palma, Mark Vukojevic & Steffen Catron - Newport Beach, Scott Miller – Westminster, Mark Sprague - Fountain Valley, Ken Vecchiarelli - Golden State Water Company, Ken Pfister & Paul Weghorst - Irvine Ranch WD, Tracy Manning - Mesa WD, Kaden Young, Matt Collings, Johnathan Cruz & Laura Rocha - Moulton Niguel WD, John Kennedy & Mike Markus – Orange County WD, Dustin Burnside & David Rebensdorf - San Clemente, Jim Leach & Dan Ferons - Santa Margarita WD, Kyle Gough & Greg Pennington - South Coast WD, Fernando Paludi - Trabuco Canyon WD, Dennis Cafferty - El Toro WD, Keith Van Der Maaten – Long Beach County WD, Iris Lee – Seal Beach, Michael Grisso - Tustin

Staff in attendance: Harvey De La Torre, Charles Busslinger, Joseph Berg, Vicki Osborn, Alex Heide, Kevin Hostert

General Meeting Information/Discussion Items:

- Draft Board Agendas
- WEROC EOC Update
- WROC FY23-24 Goals

Announcements:

SWRCB Workshop for WUE Standards

Report Items

- Monthly GM Report
- Legislative Reports
- WEROC Matrix
- Grant Funding Opportunities
- Additional Reports or Material

Next meeting is tentatively scheduled for August 17

RESERVE POLICY CREDITS

Pursuant to the recently adopted Reserve Policy revisions, MWDOC issued credits on the Meter Connection Charge and Groundwater Charge, totaling approximately \$500,000 to the Member Agencies. The list of credits to the agencies is below:

Fiscal Year 2023-2024

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AGENCY NAME		Reserve Fund Credit					
City of Brea	\$	(9,650.32)					
City of Buena Park	\$	(14,339.29)					
Santa Margarita Water District (ID9)	\$	(8,028.78)					
East Orange County Water District	\$	(15,530.70)					
El Toro Water District	\$	(7,079.23)					
City of Fountain Valley	\$	(12,605.39)					
City of Garden Grove	\$	(25,476.45)					
City of Huntington Beach	\$	(40,454.97)					
Irvine Ranch Water District	\$	(88,041.27)					
City of La Habra	\$	(9,669.66)					
City of La Palma	\$	(3,252.74)					
Laguna Beach County Water District	\$	(6,492.83)					
Mesa Water District	\$	(18,170.25)					
Moulton Niguel Water District	\$	(39,232.31)					
City of Newport Beach	\$	(19,255.98)					
City of Orange	\$	(24,610.24)					
City of San Clemente	\$	(13,091.33)					
Santa Margarita Water District	\$	(40,914.13)					
City of Seal Beach	\$	(4,013.28)					
Golden State Water Company	\$	(31,876.25)					
South Coast Water District	\$	(9,962.86)					
Trabuco Canyon Water District	\$	(3,048.09)					
City of Westminster	\$	(15,318.61)					
Yorba Linda Water District	\$	(18,954.60)					
Serrano Water District	\$	(1,699.67)					
Total Retail Meter	\$	(480,769.23)					
	•	(40,000,77)					
OCWD Groundwater Customer Charge	\$	(19,230.77)					
TOTAL	\$	(500,000.00)					

ENGINEERING & PLANNING

RELIABILITY STUDY UPDATE

Staff has been working with consultant CDM Smith and Metropolitan Water District (MET) staff on an update to the 2018 OC Water Reliability Study (2023 OC Study). Updating the planning assumptions and understanding the implications will be useful to our staff, Directors, MET Directors, and member agencies for future water reliability decision considerations. This update was launched because of significant changes in conditions since the publication of the 2018 OC Study.

The final report will be included as a Receive and File Informational Item for the September P&O Committee meeting.

LEAD AND COPPER RULE REVISIONS – LEAD SERVICE LINE INVENTORY CHOICE PROGRAM

In mid-March 2023, multiple agencies requested MWDOC's assistance in complying with US EPA Lead and Copper Rule Revisions (LCRR) - Service Line Inventories which all water systems are required to complete and submit to the primacy agency (for California, that is, the State Water Boards) by October 16, 2024.

On May 24, 2023, MWDOC hosted an initial meeting with (18) OC agencies and the State Division of Drinking Water staff regarding the LCRR – Lead Service Line Inventory compliance requirements.

On June 19, 2023, MWDOC posted an RFP to the MWDOC website for technical assistance with multiple agencies' service line inventories; and directly invited seven (7) consultants to respond.

On July 26, 2023, MWDOC received five (5) proposals. A Scoring Committee is reviewing the proposals toward a recommendation for consideration of the award of the Contract at the P&O Committee on Sept. 5, 2023.

A 2nd workshop with interested agencies is scheduled for August 10, 2023, to:

- update agencies on the status of the RFP process,
- provide preliminary cost estimates for the various areas where agencies may need assistance.
- get an initial count of interested agencies to support negotiations with the consultants and to
- discuss the multi-party agreement and financing of the project.

The project is scheduled to begin issuing Notices to Proceed on a first-come, first-served basis in October 2023.

MNWD PUMP-IN TO EOCF #2 TECHNICAL STUDY

MWDOC hosted a meeting on May 24, 2023, concerning MNWD's technical study of a potential pump-in project to East OC Feeder #2 from the City of Santa Ana's East Station. The meeting included staff from Metropolitan's Water Quality Group, Moulton Niguel Water District, City of Santa Ana, OCWD, and consultant Brown & Caldwell.

MWDOC hosted a second meeting on June 12, 2023, with MNWD staff, Brown & Caldwell, and staff from Metropolitan's Engineering and Operations groups to further discuss technical issues.

MWDOC hosted a 3rd technical meeting on August 2, 2023, between MET staff, MWDOC, MNWD, and consultant Brown & Caldwell.

MWDOC continues to support MNWD's efforts as they work with Brown & Caldwell to complete their technical study.

DOHENY OCEAN DESALINATION PROJECT

South Coast Water District (SCWD) continues to develop the Doheny Ocean Desalination Project. SCWD estimates an online date of 2028 if approved by the SCWD Board.

At the SCWD Board Meeting on June 22, 2023, Clean Energy Capital (CEC) provided an update on the financial implications of the project. CEC presented updated cost projections for a 5 MGD project where SCWD would take 2 MGD.

The updated estimated 1st-year water cost is \$2,597/AF (in 2028\$) or \$2,058/AF (discounted to 2023\$), which is a \$469/AF increase vs. CEC's 2021 estimate. The increase is largely driven by increases in energy costs (with energy costs making up 60% of the overall cost increase).

,	
SCWD Unit Cost of Water (\$/AF)	
MWDOC Average of High and Low	\$2,100
5 MGD Plant	\$2,701
Difference	\$ 601
SCWD Annual Cost of Water	
No Desal	\$10,559,921
With 5 MGD Plant	\$11,839,526
Difference	\$ 1,279,605
SCWD Residential Average Monthly Cost	
No Desal	\$141.63
With 5 MGD Plant	\$145.64
Difference	\$4.01
CEC estimates Construction Costs as follows:	
Escalated to a Feb 1, 2025, construction start date	\$137,642,914
Total Grants	(\$ 30,423,241)
Total Development & Financing Costs	<u>\$ 30,685,350</u>
Total Capitalized Costs	\$137,905,023

https://scwd.granicus.com/MetaViewer.php?view_id=3&clip_id=2790&meta_id=180312

CEC Presentation slides are located here:

SCWD Staff Report is located here:

https://scwd.granicus.com/MetaViewer.php?view_id=3&clip_id=2790&meta_id=180313

SHUTDOWNS

R6 Reservoir Rehabilitation

El Toro WD shut down the 275 Million Gallon R6 Reservoir to replace the aging reservoir liner and cover in November 2022. ETWD is now scheduling reservoir refilling and return to service from Aug. 28, 2023, through Sept. 19, 2023. MWDOC is coordinating with MET and the South Orange County agencies to return R6 to service in time for an October 2023 AMP Prestressed Concrete Cylinder Pipe (PCCP) Inspection shutdown.

AMP Prestressed Concrete Cylinder Pipe (PCCP) Inspection

MWDOC has coordinated with ETWD, MET, and the SOC agencies to move the scheduled shutdown of the AMP down-gradient of OC-70 to Oct. 29, 2023 – Nov. 4, 2023, to accommodate the R6 reservoir return to service. R6 is needed to support SOC agencies during the AMP Shutdown.

MET is conducting a periodic inspection of the PCCP sections of the AMP. These inspections are to monitor the condition of the high tensile strength prestressed structural steel wire in the pipe. A rehabilitation project for the AMP to add a structural steel liner to the PCCP sections of the pipeline is currently in design with an estimated start date of late 2027 which will require a series of shutdowns over a 2–3-year period.

Diemer Water Treatment Plant

MET has rescheduled a 7-day shutdown of the Diemer WTP to repair a broken chlorine solution line to **January 5-11**, **2024**. Finding a suitable window for this shutdown presented challenges due to numerous maintenance shutdowns by MET and retail agencies and fire danger concerns.

Coinciding with the 7-day Diemer shutdown, the following pipelines will also be down for repairs:

- Allen-McColloch Pipeline
- East Orange County Feeder No.1
- East Orange County Feeder No.2
- Lower Feeder (Treated)
- Lower Feeder (Untreated)
- Second Lower Feeder (portions)

EMERGENCY PREPAREDNESS

2023 STORM PRESIDENTIAL DECLARATIONS

- FEMA requested additional information to determine if Orange County would qualify for any additional funding categories for Federal Public Assistance. Vicki aided one agency during this process to ensure information was received by the deadline.
- As a reminder, Orange County was already denied California Diester Assistance Act funding.

Orange County's eligibility for assistance remains as follows:

Identifier	Dates	Eligible Assistance			
FEMA: EM-3591-CA	Jan 8, 2023 - Jan 31, 2023	Category B - Emergency protective measures only			
FEMA: EM-3592-CA	Mar 9, 2023, and continuing	Category B - Emergency protective measures only			
SBA: CA-00376	February 21, 2023, and continuing	Economic Injury as a contiguous County			

COORDINATION/PARTICIPATION WITH MEMBER AGENCIES AND OUTSIDE AGENCIES MEETINGS OUTSIDE OF PROGRAMS AREAS AND EMERGENCY RESPONSE

- On 7/3, Vicki assisted OCTA with their oral boards for their emergency specialist position.
- On 7/7, Vicki gave her monthly update to the WACO meeting.
- On 7/10, Vicki attended the CalWarn working group meeting with the national WARN organization to discuss the national changes and consistency with the website WARN is recommended to all state WARN agencies.
- On 7/11, Vicki attended the ERNIE (Emergency Response Network Inland Empire)
 Inland empire version of WEROC. She participated in the Cyber Security Working
 Group meeting so that jurisdictional collaboration could be established.
- On 7/11, Dave, Janine, and Vicki attended the Moulton Niguel Water District Public Safety Appreciation Luncheon.
- On 7/13, Janine attended the monthly OCEMO meeting.
- On 7/14, Vicki attended the CESA Legislative Committee meeting.
- On 7/17, Vicki attended with Harvey a meeting with MNWD (see EOC Project)
- On 7/18, Vicki and Dave attended a Prado Dam TTX exercise facilitated by the USACE.
- On 7/20, Vicki attended and presented at the MWDOC Managers Meeting regarding WEROC goals for FY23-34 and an update on the MEOC/CP project, including getting feedback and buy-in.
- On 7/21, Vicki attended the monthly CESA State Board meeting.
- On 7/25, Vicki taught in person at SMWD for an ICS 100/700/SEMS class.

- On 7/26, Vicki attended the OCEMO Leadership Meeting.
- On 7/26, Vicki attended the 2023 SGMA Quarterly Meeting.
- On 7/26, Vicki joined the engineering department for a meeting with MET in person at the eagle rock facility.
- On 7/26, Vicki and Janine attended the OCEMO technology meeting,
- On 7/27, Vicki attended the quarterly State MARAC Meeting.
- On 7/27, Vicki presented the WEROC Goals for FY23-24 and the MEOC/CP project update.

PLANNING AND PROGRAM EFFORTS

WEROC Personnel Update

Dave Anderson, WEROC Specialist, has been promoted and will be transitioning out of WEROC into IT as the Analyst II.

EOC Readiness & EOC Project

The WEROC team continues to work on the decommissioning plan for the WEROC EOC in South County. The target date is September 1st to remove all WEROC property from the site.

Mobile CP/EOC Project - Refer to Discussion item #1 on the August A&F Committee.

The PO for the purchase of two (2) 800 MHz Radios thru Motorola has been submitted, and we are awaiting the arrival of the handhelds. Reminder these were purchased using FY 21 State Homeland Security Grant Funding. WEROC pays the initial invoice, and then it will be submitted to the County for reimbursement.

IT & Cyber Security

WEROC continues to send out important information to the Cyber Security Distribution Group as received from DHS or the OCIAC.

Member Agency and County/Operational Area Plan Review

Vicki reviewed the following plans this month:

- OA and County of Orange Emergency Operations Plan
- SCWD Palisades Dam Emergency Response Plan final review

Regional Fuel Project

Vicki has begun the research and data collection for the Regional Fuel Planning Project. Agencies were asked to provide critical infrastructure information by August 31st.

Resource Requests and Member Agency Inventory Lists

Janine continues to obtain information from the WEROC member agency to update the inventory lists. The project is 94% complete. There are only three agencies she has not received information back from.

Training and Exercises

On 7/25, Vicki taught a combined ICS 100/700/SEMS class at the SMWD.

In August, the following classes are available, including a L402 NIMS/SEMS class for Elected Officials, as requested by some agencies; see below for registration information.

Training (In Person)	Course Description	Date	Hours	Location
G626 EOC Action Planning	EOC Action Planning (G626): This course	8/7-8	0800-	MNWD
Register at: Link to Constant Contact	focuses on and Emergency Operations		1700	26161 Gordon
	Center's action planning process.			Road
	Participants learn what the action plan			Laguna Hills
	contains and the process to develop an			
	action plan. Content includes what each			
	SEMS Section contributes to develop the			
	action plan and each participant's role.			
Agency Representative (AREP)	This course is intended to prepare Agency	8/22/23	0800-	City of Seal Beach
Training	Representatives who will be assigned to		1700	Police Department
	either external organization incident			911 Seal Beach
Register at: Link to Constant Contact	command posts or to Emergency			Boulevard, Seal
	Operations Centers.			Beach, CA 90740
SEMS/NIMS (100/700) Combined	Agency Cost = \$0	8/24/23	1300-	Costa Mesa
Training	This introductory course is intended to give		1700	Sanitary District
	participants a basic overview of the			290 Paularino
Register at: Link to Constant Contact	Incident Command System, Standardized			Avenue, Costa
	Emergency Management System (G606),			Mesa, CA 92626
	National Incident Management System			
	(IS100/700), and an orientation to the basic			
	functions of the Emergency Operations			
	Center			
402 Incident Command System (ICS)-	This course will explain the role of the	8/29/23	0800-	Hybrid
National Incident Management	Executive, Senior Official, or Elected Official		1200	In Person Conf
System (NIMS) - Standardized	within an emergency response or recovery			MWDOC-Room
Emergency Management System	using the Standardized Emergency			101
	Management System.			18700 Ward Street

MET ITEMS CRITICAL TO ORANGE COUNTY

MET FINANCE AND RATE ISSUES

Water Transactions for May 2023 (for water delivered in March 2023) totaled 61.5 thousand acre-feet (TAF), which was 37.2 TAF lower than the budget of 98.7 TAF and translated to \$59.5 million in receipts for May 2023, which was \$33.8 million lower than the budget of \$93.3 million.

Year-to-date water transactions through May 2023 (for water delivered in May 2022 through March 2023) totaled 1,310.4 TAF, which was 160.2 TAF lower than the budget of 1,470.6 TAF. Year-to-date water receipts through May 2023 were \$1,247.5 million, which was \$139.9 million lower than the budget of \$1,387.4 million.

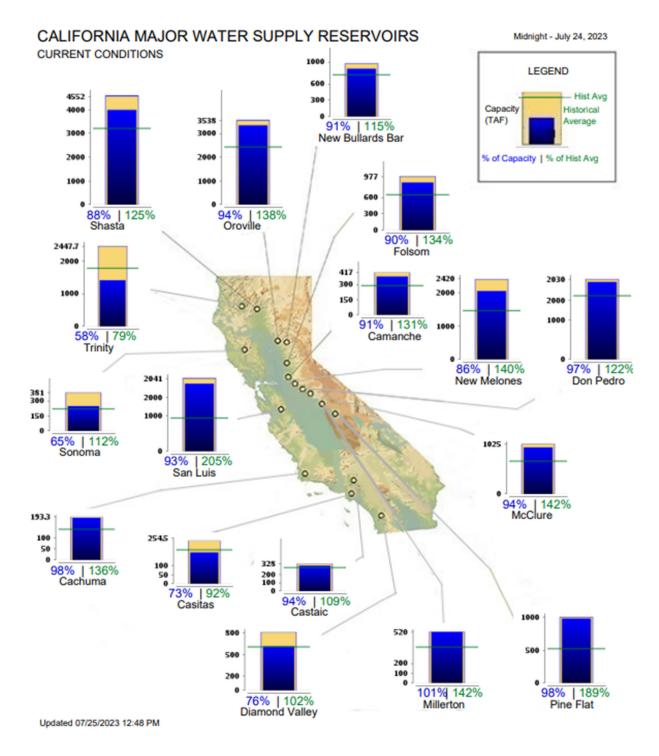
On June 21, 2023, Metropolitan issued \$258,410,000 Water Revenue and Refunding Bonds, 2023 Series A. The bond pricing, held on June 6, 2023, was a tremendous success. Bond orders from 49 institutional investors totaled \$874 million, or 3.3 times the amount of bonds sold. Bond proceeds will be used to fund a portion of Metropolitan's Capital Investment Plan and to refund a short-term note that was issued to prepay approximately \$35 million of subordinate lien revenue bonds.

MET'S SUPPLY CONDITION UPDATE

The 2022-23 Water Year (2022-23 WY) officially started on October 1, 2022. Thus far, Northern California accumulated precipitation (8-Station Index) reported *64.1. inches or 131% of normal* as of July 25th. The Northern Sierra Snow Water Equivalent peaked at *59.1 inches on April 9th*, which is *215% of normal* for that day. Due to the barrage of atmospheric rivers in January and March, the Department of Water Resources (DWR) has increased the State Water Project (SWP) *"Table A" allocation to 100%.* This allocation provides Metropolitan with approximately *1,911,500 AF in SWP deliveries this water year.* In Addition, Article 21 supplies (approximately 148,000 AF) were made to SWP contractors on March 24^{th, 2023.} DWR's SWP Allocation considers several factors, including existing storage in SWP, conservation reservoirs, SWP operational, regulatory constraints, and the 2023 contractor demands. Metropolitan also received *134,000 AF for Human Health and Safety Supply in CY 2022.*

The Upper Colorado River Basin accumulated precipitation is reporting 29.0 inches or 121% of normal as of July 24th. On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. The Upper Colorado River Basin Snow Water Equivalent peaked at 26.2 inches as of April 10th, which is 131% of normal for that day. Due to the below-average inflows into Lake Powell over the past several years, the United States Bureau of Reclamation declared a shortage at Lake Mead that has been ongoing since January 1st, 2022. As of July, there is a 93% chance of shortage continuing in CY 2024 and a 3% chance that Metropolitan will see a 180,000 AF reduction in Colorado River water supplies in CY 2025.

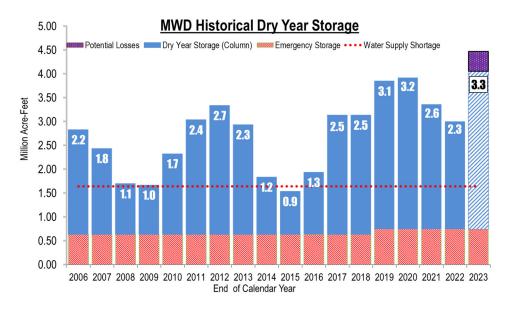
As of July 24^{th,} Lake Oroville storage is at **94% of total capacity and 138% of normal**. As of July 24^{th,} San Luis Reservoir has a current volume of **93% of the reservoir's total capacity and is <u>205% of normal.</u>**

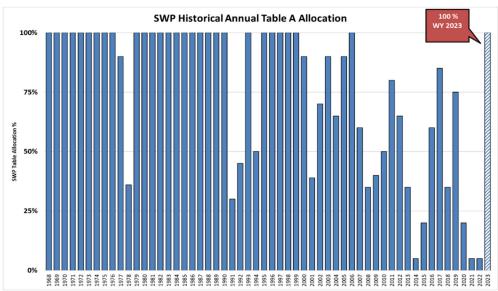


With CY 2023 estimated total demands and losses of 1.56 million acre-feet (MAF) and with a 100% SWP Table A Allocation, Metropolitan is projecting that supplies will exceed demand levels in CY 2023. Based on this, Metropolitan's estimated dry-year storage at the end of CY 2023 will increase to approximately 3.3 MAF.

A projected dry-year storage supply of 3.3 MAF would be the highest level in Metropolitan History. Unfortunately, due to the 100% SWP Table A Allocation, there is a potential that Metropolitan will not be able to store approximately 420 TAF. A large factor in maintaining a high-water storage level is lower than expected water demands. We are seeing regional water demands reaching a 40-year low.

However, with a majority of Metropolitan's water supplies stored in Lake Mead and still a 5-year shortage projection at Lake Mead, there remains a lot of uncertainty about where supply balances will be in the future.





2023 WSDM Storage Detail

	1/1/2023 Estimated Storage Levels	CY 2023 Put Capacity ¹	2023 Total Storage Capacity
WSDM Storage Colorado River Aqueduct Delivery System	1,128,000	400,000	1,657,000
Lake Mead ICS	1,128,000 ²	400,000	1,657,000
State Water Project System	502,000	621,000	1,897,000
MWD SWP Carryover ³	39,000	297,000	350,000
DWCV SWP Carryover ³	35,000	257,000	330,000
MWD Articles 14(b) and 12(e)	0	0	N/A
Castaic and Perris DWR Flex Storage	3,000	216,000	219,000
Arvin Edison Storage Program	119,000	04	350,000
Semitropic Storage Program	158,000	32,000	350,000
Kern Delta Storage Program	137,000	45,000	250,000
Mojave Storage Program	19,000	10,000	330,000
AVEK Storage Program	27,000	3,000	30,000
AVEK High Desert Water Bank Program	0	18,000 5	18,000 ⁶
In-Region Supplies and WSDM Actions	698,000	392,000	1,246,000
Diamond Valley Lake	494,000	316,000	810,000
Lake Mathews and Lake Skinner	194,000	32,000	226,000
Conjunctive Use Programs (CUP) 7	10,000	44,000	210,000
Other Programs	662,000	171,000	1,181,000
Other Emergency Storage	381,000	0	381,000
DWCV Advanced Delivery Account	281,000	171,000	800,000
Total	2,990,000	1,584,000	5,981,000
Emergency	750,000	0	750,000
Total WSDM Storage (AF) 8	2,240,000	1,584,000	5,231,000

¹ Put capacity assumed under a 100 percent SWP Table A Allocation. Storage program losses included where applicable.

MET'S WATER QUALITY UPDATE

Water System Operations

Metropolitan member agency water deliveries were 86,000 acre-feet (AF) for June, with an average of 2,900 AF per day, which was about equal to daily deliveries in May. Treated water deliveries increased by 1,000 AF from May for a total of 49,700 AF, or 58 percent of total deliveries for the month. The Colorado River Aqueduct (CRA) pumped a total of 69,000 AF in June. State Water Project (SWP) imports averaged 3,900 AF per day, totaling about 116,400 AF for the month. The target SWP blend decreased from 80 to 60 percent for Weymouth and Diemer plants and increased from 20 to 40 percent for the Skinner plant by the end of the month.

Reflects USBR's final accounting for 2022, released May 2023. This amount is net of the water Metropolitan stored for IID in Lake Mead in an ICS sub-account.

³ Total storage capacity varies year to year based on prior year remaining balance added to current year contractual limits.

⁴ Puts are limited due to water quality considerations.

⁵ Includes the early recharge in the High Desert Water Bank Program expected to commence in the summer.

⁶ Represents a portion of the total storage capacity. Total storage capacity is 280,000 AF once the program is fully constructed. Anticipated to be fully operational by the end of 2025.

⁷ Total of all CUP programs including IEUA/TVMWD (Chino Basin); Long Beach (Central Basin); Long Beach (Lakewood); Foothill (Raymond and Monk Hill); MWDOC (Orange County Basin); Three Valleys (Live Oak); Three Valleys (Upper Claremont); and Western

⁸ Total WSDM Storage level subject to change based on accounting adjustments.

Water Treatment and Distribution

In mid-June, the target blend entering the Weymouth and Diemer plants was lowered from 80 percent to 60 and 65 percent, respectively, to accommodate deliveries to USG-3 from the East Branch SWP. The Mills plant continued to receive a blend of water from Silverwood Lake and Lake Perris in June because of low alkalinity in the East Branch SWP. The SWP target entering Lake Skinner fluctuated to accommodate multiple operational needs and maximize water delivery from the SWP. The SWP blend leaving the lake continued to increase and is expected to reach up to 75 percent over the next few weeks. Chemical dosages were adjusted at Weymouth, Diemer, Mills, and Skinner plants to ensure that water quality objectives continued to be achieved following the blend changes.

Flow-weighted running annual averages for total dissolved solids from May 2022 through April 2023 for Metropolitan's treatment plants capable of receiving a blend of supplies from the SWP and the Colorado River Aqueduct were 568, 580, and 620 mg/L for the Weymouth, Diemer, and Skinner plants, respectively.

Future Legislation and Regulation

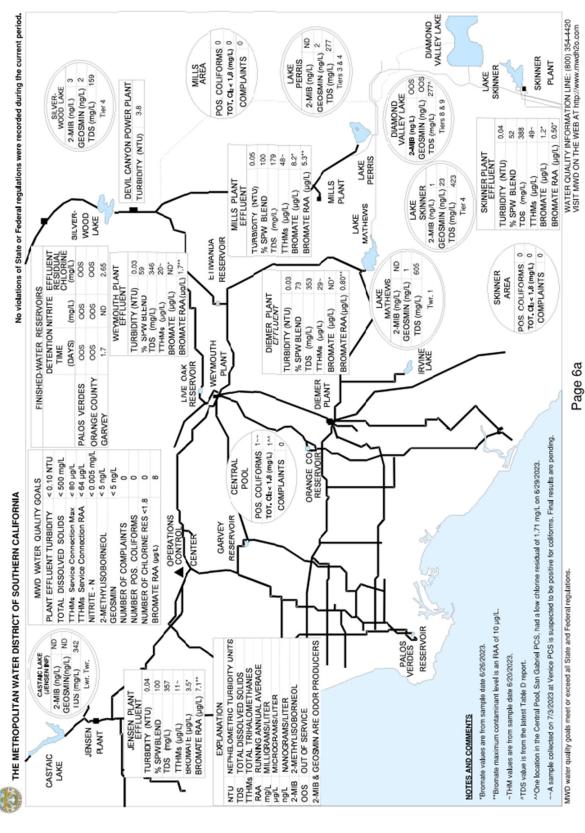
On May 30, Metropolitan staff submitted a comment letter to the Environmental Protection Agency (EPA) on its proposed National Primary Drinking Water Regulation (NPDWR) for six PFAS. The rule proposes to set individual maximum contaminant levels (MCLs) for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) at 4.0 parts per trillion (or ng/L). It regulates the remaining four compounds (perfluorononanoic acid [PFNA], hexafluoropropylene oxide dimer acid [HFPO-DA, commonly known as GenX Chemicals], perfluorohexane sulfonic acid [PFHxS], and perfluorobutane sulfonic acid [PFBS]) as a mixture. While staff supports regulating PFOA and PFOS in drinking water, staff commented that regulating the remaining PFAS is premature as these compounds did not follow the full regulatory process and may have unintended economic impacts. Metropolitan staff will continue to monitor and engage in EPA's efforts to control PFAS in the environment.

On June 6, Metropolitan staff gave the State Water Resources Control Board oral testimony regarding the Division of Drinking Water's (DDW's) Drought and Conservation Reporting Order. Staff reiterated that providing volumetric flow and lake elevation data for our main water system and three of our five housing villages does not provide meaningful information about Metropolitan's drought readiness. Staff participated in DDW's workshop on July 13 to discuss ways to simplify the reporting requirements and potentially exclude our small systems from the need to report.

Weekly Water Quality System Status

Wednesday, July 5, 2023

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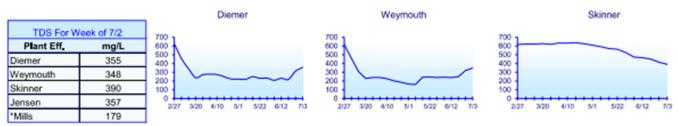


Water Quality Section Weekly TDS Report

For the week of 7/2/2023

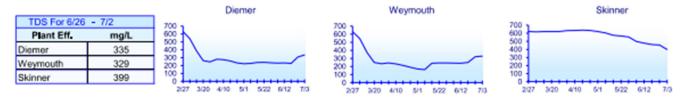
Percent SPW Needed to Achieve TDS Goal of 500 mg/L			Estimated TDS for Reservoirs			
Source Water TDS		SPW Required	Reservoir (Effluent)	Date	mg/L	
Plant	CRW	SPW	Percent	Lake Havasu (Table D)	4/12/23	640
Weymouth	605	159	24%	Lake Mathews (DFPI-LWRFDR)	7/3/23	605
Diemer	605	159	24%	Lake Skinner (Outlet Structure)	7/3/23	423
Skinner-Silverwood	643	159	30%	Castaic Lake (JFPI)	7/2/23	342
Skinner-Perris	643	277	39%	Silverwood (Mills Inf)	7/3/23	159
CRW for Diemer and Weymouth is Lake Mathews and San Jacinto - West Portal for Skinner.			Lake Perris	7/3/23	277	
				DVL Outlet (Table D)	4/10/23	277

SUNDAY COMPOSITE ESTIMATED TDS FOR 02/26/23 - 07/02/23



Sunday composite estimated TDS measured from plant effluent composite samples collected on Sunday and analyzed for hardness and electrical conductivity, "Collected on Monday 7/3/2023

WEEKLY COMPOSITE ESTIMATED TDS FOR 02/26/23 - 07/02/23



Weekly composite estimated TDS measured from plant effluent composite samples collected Monday through Sunday and analyzed for hardness and electrical conductivity.

MONTHLY COMPOSITE CALCULATED TDS FOR May 2022 - April 2023



Monthly calculated TDS calculated from plant offluent monthly composite sample for total arrions and cations. These results are also used for Table D.

FLOW WEIGHTED RAA TDS FOR May 2022 - April 2023



Seasoned flow weighted RAA, TOS calculated from plant officent monthly composite sample for total amions and cations. Results are based on average monthly flows.

COLORADO RIVER ISSUES

Reclamation Begins Post-2026 NEPA Process

In December 2007, the Bureau of Reclamation (Reclamation) adopted a Record of Decision implementing the Colorado River Interim Guidelines, which included surplus and shortage criteria, Lake Powell, and Lake Mead operations, and established the Intentionally Created Surplus (ICS) program. The Guidelines expire on December 31, 2025. Because the operating conditions for 2026 will have already been approved by that date, the 2007 Interim Guidelines essentially are in effect through 2026. These Guidelines were derived from a consensus-based agreement among the Basin States, which followed a statement by then Secretary of the Interior Gale Norton in 2005 to develop such a plan or risk having the federal government develop its own plan. Other consensus-based agreements followed the consensus-based guidelines, including new minutes to the Mexican American water treaty and the 2019 Drought Contingency Plan.

On June 16, Reclamation initiated developing the next set of Guidelines. They laid out a schedule in which a Draft Environmental Impact Statement (EIS) would be prepared by the end of 2024, followed by a Final EIS and Record of Decision in time for the 2027 operating year. The initial step is to solicit scoping comments for the National Environmental Planning Act (NEPA) process. Reclamation has requested input on the scope, strategies, and other issues that should be considered in developing the EIS. The Colorado River Basin States have committed to work together to develop a seven-state scoping comment letter. Metropolitan will also be submitting scoping comments and will be working with our partners to encourage them to also submit scoping comments. Comments are due August 15, 2023.

DELTA CONVEYANCE ACTIVITIES AND STATE WATER PROJECT ISSUES

Delta Conveyance

The California Department of Water Resources (DWR) is continuing efforts to organize and develop responses to the comments received on the Delta Conveyance Project (DCP) draft Environmental Impact Report (EIR), as required under the California Environmental Quality Act (CEQA). DWR received more than 700 unique comment letters with over 6,000 individual comments. The Final EIR is expected at the end of 2023, which will include responses to all substantive comments on the Draft EIR and, where appropriate, edits to the Draft EIR responsive to comments received.

The U.S. Army Corps of Engineers (USACE) draft Environmental Impact Statement (EIS) comment period closed on March 16, 2023. The DCP draft EIS is required under National Environmental Protection Act. The USACE is also starting the initial organization of the comments received on the DCP draft EIS.

DWR's field activities under the Initial Study/Mitigated Negative Declaration for Soil Investigations in the Delta are planned to resume in early May 2023. These activities include data collection, soil samples, and surveys to understand better the region's

geology to support the evaluation of potential activities, including the proposed DCP. DWR will update its public information website to provide information on soil investigations to interested members of the public.

(https://water.ca.gov/Programs/State-Water-Project/Delta-Conveyance/Environmental-Planning)

Sites Reservoir

At the June 16 Joint Sites Reservoir Committee and Authority Board meeting, the Reservoir Committee and Authority Board authorized the Executive Director to enter into a new Memorandum of Agreement with the U.S. Bureau of Reclamation that includes activities necessary to move the Sites Reservoir Project forward into construction. These preconstruction activities include continued planning and engineering, including geotechnical investigations, design, environmental permitting, and the water rights process.

Funding the Sites Reservoir Project beyond the planning phase and into detailed design, construction, and operation will require developing a Sites Reservoir Benefits and Obligations Contract (Contract). The Contract will also serve as the long-term commitment of the Sites Authority to provide the Participant with its capacity interest in the Sites Reservoir water storage system. Executing this Contract will be expected following the receipt of a water rights decision and securing critical permits. The Reservoir Committee and Authority Board authorized Sites Reservoir staff to negotiate the Contract (Draft 1) with the participants. The Reservoir Committee and Authority Board also approved two contracts for geotechnical monitoring as-needed services with the Cachil Dehe Band of Wintun along with geotechnical monitoring asneeded services and an ethnographic study with the Paskenta Band of Nomlaki Indians.

Sites Reservoir Authority staff also presented information on the Principles for the Storage, Delivery, and Sale of Sites Reservoir Project Water (Storage Principles). The Storage Principles describe a framework for procedures related to Sites Reservoir Project water, including system losses, available storage, and allocation. The available storage in Sites Reservoir is calculated to be 1.41 million acre-feet, which includes recent refinements and a 60 thousand acre-feet dead pool that is unavailable stored water in the wholesale electrical energy market, which has the potential to be more cost-effective than going through Pacific Gas & Electric.

Science Activities

Metropolitan staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP) with state and federal agencies, water agencies, and the NGO environmental community. Key progress this month focused on the Delta Smelt Structured Decision Making (SDM) Project. Metropolitan staff is participating in a multi-stakeholder technical work group to develop and evaluate management action portfolios that may improve the population trajectory of Delta Smelt in the next 5–10 years. In June, the results of the first Delta smelt SDM evaluations were presented to the CSAMP Policy Group. The results suggest that actions that include reducing

predation and increasing prey availability would have the greatest chance of meeting the objectives. These actions include turbidity management, habitat restoration, aquatic weed control, and flow. The next phase of the SDM project will include additional refinement and evaluation of management action portfolios.

Metropolitan staff attended a Decision Analysis: Elicitation and Facilitation training in June at the U.S. Department of Interior's National Conservation Training Center in West Virginia. The training is designed for structured decision-making practitioners to develop skills as decision analysts, particularly in facilitating the decision-making process and elicitation techniques. The course provided staff with the opportunity to gain access to specialized training in decision analysis and network with experts in this field. It will provide benefits as staff participates in collaborative science processes.

Ecosystem Restoration

Metropolitan staff attended the Delta Plan Interagency Implementation Committee Restoration Subcommittee meeting, where the California Department of Fish and Wildlife (CDFW) gave a presentation on the Cutting the Green Tape Initiative designed to increase the pace and scale of environmental restoration projects and discussed the potential implications for Delta projects. Metropolitan staff also attended a Southern Yolo Bypass tour with representatives from Yolo County that included a visit to the Lookout Slough Project, which is a multi-benefit project to restore 3,400 acres of tidal wetland.

PUBLIC/GOVERNMENT AFFAIRS

MEMBER AGENCY SUPPORT

Public Affairs Staff:

- Speakers Bureau Attended a special recognition ceremony with Director Seckel, who presented the Metropolitan Water District of Southern California's (Metropolitan) One Water Award to the City of Huntington Beach Mayor and staff for their Neutral Output Discharge Elimination System
- Met with the California Special Districts Association to discuss a series of articles to promote the Coronet Watersmart Conservation Garden project in the City of Westminster

Government Affairs Staff:

 Provided an update at the OC Met Managers meeting on the status of the water rights bills and non-functional turf

COMMUNITY AND SPECIAL EVENTS

Public Affairs Staff:

- Brought Ricky the Raindrop to the City of Westminster Safety Day Event
- Partnered with Save Our Water to co-host a booth at the OC Fair. Provided rebate information and giveaways to visitors.
- Began promoting Scouts BSA & Girl Scout clinics for the 2023-2024 season
- As part of a review and amendment process, re-designed the Scouts BSA workbook and included six (6) new activities that align with the Soil and Water Conservation Merit Badge requirements.
- Completed all necessary trainings to be certified Merit Badge Counselors for Scouts BSA clinics
- Toured Orange County Water District's Groundwater Replenishment System
- Connected Hashtag Pinpoint to June 22 Water Policy Dinner Speaker, Ed Ring, to finalize the post-event meeting video
- Met with Orange Coast College to discuss ways MWDOC could participate in the 19th annual Orange County Children's Book Festival
- Speakers Bureau Coordinated presentation for President Schneider for the Canyon Democratic Club meeting on Tuesday, August 15th
- Continue to participate in the planning and coordination of the OC Water Summit

Government Affairs Staff:

- Attended the OCBC Governmental Affairs Committee meeting
- Participated in the ACC-OC Energy, Environment, and Water Committee meeting
- Attended a meeting with OC LAFCO and OCWD staff, along with consultants, regarding OCWD-focused MSR

K-12 WATER EDUCATION

Public Affairs Staff:

- Participated in the Department of Water Resources (DWR) Water Education Committee (WEC) quarterly in-person meeting
- Provided information regarding MWDOC's K-12 Choice School Program to Yorba Linda Water District
- Attended a WaterSense Webinar on water education programs
- Met with Green Guardians to discuss potential opportunities for collaboration on water education resources and materials

WORKFORCE INITIATIVE

Public Affairs Staff:

- Speakers Bureau In addition to co-hosting the event, assembled and moderated a panel of experts from Tomorrow's Talent, Metropolitan, and West Basin Municipal Water District to discuss workforce needs as part of the Department of Water Resources (DWR) Water Education Committee (WEC) quarterly meeting
- As a co-host of the above-mentioned meeting, met with DWR, Metropolitan, and West Basin regularly to discuss and plan meeting logistics
- Met with Tomorrow's Talent to prepare them for their participation on the DWR WEC panel mentioned above
- Met with Ignited to discuss summer teacher training opportunities
- Prepared and then distributed the Water Energy Education Alliance (WEEA)
 2022-23 year-end report to sponsors
- Met with a consultant for six New England states who are looking at developing a workforce collaborative like WEEA. The same consultant is an American Water Works Association Workforce Strategies Committee member.

DIGITAL COMMUNICATIONS, PUBLICATIONS, AND MEDIA ENGAGEMENT

Public Affairs Staff:

- Prepared and distributed content for social media, including active participation in July Smart Irrigation Month
- Updated the MWDOC website as requested by several departments
- Wrote, designed, and distributed MWDOC August eCurrents
- In collaboration with Hashtag Pinpoint, created a promotional video for the Coronet Watersmart Conservation Garden
- Submitted content to the Association of California Water Agencies newsroom
 - o MWDOC's Nature Journaling Prompts Reflection
 - MWDOC Unveils OC's Newest Conservation Garden
- Translated three (3) Department of Motor Vehicle (DMV) video ads to Spanish and Vietnamese for distribution at select Orange County DMV locations

SPECIAL PROJECTS

Public Affairs Staff:

- Coordinated and confirmed inspection trip dates for the 2023-2024 inspection trip season
- Met with Toro Irrigation, who has nominated MWDOC for the Irrigation Association's Outstanding Partnership Award for its contribution to the Coronet Watersmart Conservation Garden project in the City of Westminster
- Met with the Wyland Foundation (WYFO) to discuss pending items for the Coronet Watersmart Conservation Garden project

Governmental Affairs Staff:

- Staffed the July WACO meeting
- Monitored the San Diego LAFCO meeting
- Confirmed speakers for the September WACO meeting
- Worked with and provided historical information and feedback to the ISDOC website and membership ad-hoc committees
- Reviewed and edited ISDOC meeting minutes
- Staffed the ISDOC Executive Committee meeting

OUTREACH METRICS

Public Affairs Staff:

- Google Performance Analytics (July 2023)
 - 50 MWDOC business listing searches
 - 187 business profile interactions
 - 2403 people viewed the business profile
- Website Analytics (GM report timeframe)
 - 13k pageviews
 - Top pages for this date range
 - RFP / RFQ 2.2k
 - MWDOC homepage 1.8k
 - Turf Removal 1.1k
 - Residential Rebates 963
 - Water Use Efficiency 477
- Social Media (GM report timeframe)
- According to Hootsuite the global leader in social media management –a good engagement rate is between 1% to 5%. For this time period, MWDOC's engagement rate is at 8.02%
 - o 77,573 Post reach (number of people)
 - 884 Post engagement (actions taken likes, shares, etc.)

LEGISLATIVE AFFAIRS

Governmental Affairs Staff:

Completed and filed the Quarterly Lobbying Report

- Drafted and circulated a letter of support for S.2162, STREAM Act, to Senator Feinstein and the Orange County congressional delegation
- Participated in the ACWA Region 10 Legislative Committee planning call
- Met with legislative staff at Metropolitan regarding AB 1572, non-functional turf
- Attended the CMUA Regulatory Committee meeting
- Participated in the ACWA State Legislative Committee meeting

WATER USE EFFICIENCY

CALWEP RESEARCH & EVALUATION (R&E) COMMITTEE

On July 12, Rachel Waite participated in the CalWEP R&E Committee Planning meeting as the newly selected Committee Vice Chair. This meeting focused on planning for the upcoming Committee meeting, including the agenda, presentations, and discussion.

On July 19, Rachel W. co-hosted the CalWEP R&E Committee meeting. Topics on the agenda included:

- Research Project Updates
- Aerial Remote Sensing of Snow Program and Snowmelt Forecasting (presented by Sean de Guzman, DWR)
- USC Public Exchange Research Discussion
- AWE Research Committee Updates
- Committee Member Research

The next Committee meeting will be held on September 20.

PROJECT AGREEMENT (PA) 22 ADVISORY WORKGROUP

On July 17, Rachel W. attended the PA 22 Advisory Workgroup hosted by the Santa Ana Watershed Project Authority (SAWPA) and attended by staff from SAWPA member agencies and MWDOC. Topics on the agenda included:

- Santa Ana River Sustainability Assessment Water Use Efficiency Indicator Update
- Prop 1 Enhanced Decision Support Tool Update
- SARCCUP Water Budget Assistance

The next PA 22 Advisory Workgroup will be held on August 21; the next PA 22 Committee Meeting will be held on September 12.

EVALUATION MEASUREMENT & VERIFICATION (EM&V) PROJECT SCOPE MEETING

On July 18, Joe Berg and Rachel W. met with CalWEP and CalWEP member agency staff to discuss the EM&V project and scope. The EM&V project aims to create guidance documents and tools to help guide and normalize water efficiency research completed by various agencies throughout the state. Discussion focused on the project scope and the approach with the prospective consultants working on this effort.

Follow-up meetings will be scheduled as needed.

ORANGE COUNTY DATA ACQUISITION PARTNERSHIP (OCDAP) STEERING AND TECHNICAL ADVISORY COMMITTEE (STAC)

On July 18, Rachel W. attended the OCDAP STAC. 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:

- Consent Calendar
- Cycle 2 Deliverables Feedback
- 6-month Extension of Cycle 1 ConnectExplorer
- Discussion on Cycle 3 RFP and Membership Costs
- OCDAP Data Sharing/Efforts/Projects Underway and Cycle Derived Products
- OC GIS User Group Update

The next meeting is scheduled for August 8.

METROPOLITAN WATER USE EFFICIENCY WORKGROUP

On July 20, Joe, Rachel Davis, Rachel W., Beth Fahl, Sam Fetter, and Tina Fann attended the Metropolitan Water Use Efficiency Workgroup meeting. Items on the agenda included:

- MWD Board Meeting Updates
- External Affairs Update
- IRWD's Better Yards by Design Expo
- California Data Collaborative Framework Tools
- MWD's Community Partnering Program
- MWD Conservation Program Updates
 - o Turf Replacement Program
 - Upcoming Alliance for Water Efficiency Symposium
- Member Agency Roundtable

The next meeting is scheduled for August 17.

WHOLESALE WATER PROVIDERS GROUP MEETING

On July 25, Beth and Rachel W. participated in the first Wholesale Water Providers Group meeting hosted by San Diego County Water Authority and attended by water use efficiency staff from other Metropolitan wholesale water providers. Topics on the agenda included:

- How to Productively Maximize the Benefits of our Member Agency Administered (MAA) Programs (MAAP) Funds
- How Wholesale Water Providers Share their MAAP Funds Locally and Regionally

- How Much Supplemental Funding Wholesale Water Providers and/or Member Agencies Add to MWD's Rebate Programs
- The Programs Each Wholesale Water Provider Runs that Everyone Should Run
- Other Ways Wholesale Water Providers Can Work Together to Maximize Funds and Programs

The next meeting for this Group has not yet been scheduled.

ORANGE COUNTY LANDSCAPE PROGRAM ADVISORY COMMITTEE

On July 26, Joe, Rachel W, Beth, Sam, and Tina hosted the Orange County Landscape PAC. Topics on the Agenda included:

- Update on Trees
 - o MET's Treebate
 - As a Sustainability Feature
 - Survey Results
- Turf and Drip Program Guides
- Frequency of Meetings

The next PAC meeting is tentatively scheduled for September 7.

WATER CONSERVATION DATA COLLABORATIVE

On July 26, Rachel W. and Sam attended the Water Conservation Data Collaborative Meeting hosted by San Antonio Water Systems (SAWS) and joined by water efficiency analyst staff from various water agencies across California, Texas, Arizona, Nevada, and Oregon. Discussion focused on cooling towers, including the identification and verification of cooling tower locations and AMI implementation and leak alerts.

The next meeting will be scheduled for a date to be determined in October.

DEDICATED IRRIGATION METER (DIM) LANDSCAPE AREA MEASUREMENT (LAM) PROJECT KICK-OFF MEETING - LA HABRA

On August 3, Rachel W. and Sam met with staff from the City of La Habra and project consultant NV5 for a DIM Area Measurements Project kickoff meeting. The DIM Area Measurements Project provides Orange County retail water agencies access to MWDOC's consultant, NV5, to obtain DIM landscape area measurements and classifications as required by SB606 and AB1668 (Conservation Framework). MWDOC, NV5, and retailer staff discussed the Project, workflow, and next steps.

Kick-off meetings will be scheduled with each participating retailer, and follow-up meetings will be scheduled as needed.

ORANGE COUNTY WATER USE EFFICIENCY WORKGROUP MEETING

On August 3, Joe, Beth, Rachel W., Rachel D., Sam, and Tina hosted the Orange County Water Use Efficiency Workgroup meeting. Items on the agenda included:

- Discussion Items
 - MWDOC Updates
 - Choice Invoices Coming in August
 - WUE/WLC Job Opportunities
 - Agency Roundtable
- Water Use Efficiency Standards/Framework Update
- MET Conservation Program Updates
 - Conservation Update
 - Grants Update
- Water Use Efficiency Updates
 - o EGIA Supplemental Funding Issues
 - Update on Trees
 - MET's Treebate
 - As a Sustainability Feature
 - Dedicated Irrigation Meter Measurements (DIMM) Program Update
 - o DMV Videos in Spanish and Vietnamese
 - Turf Removal Program Update
 - Project Term Changes
 - Grant Funding/Turf Activity
- CalWEP Update
 - o Fall Plenary, August 31st in Sacramento
 - Winter Plenary December 13th in San Francisco
- Future Agenda Items

The next meeting is scheduled for September 7.

INFORMATION CALENDAR

MWDOC GENERAL INFORMATION ITEMS

MWDOC BOARD OF DIRECTORS

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

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