

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

PLANNING & OPERATIONS COMMITTEE

September 6, 2022, 8:30 a.m.

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

Computer Audio: You can join the Zoom meeting by clicking on the following link:

<https://zoom.us/j/8828665300>

Telephone Audio: (669) 900 9128 fees may apply
(877) 853 5247 Toll-free

Webinar ID: 882 866 5300#

P&O Committee:

Director Tamaribuchi, Chair
Director McVicker
Director Nederhood

Staff: R. Hunter, J. Berg, V. Osborn,
H. De La Torre, T. Dubuque,
D. Micalizzi, H. Baez, T. Baca

Ex Officio Member: Director Yoo Schneider

MWDOC Committee meetings are noticed and held as joint meetings of the Committee and the entire Board of Directors and all members of the Board of Directors may attend and participate in the discussion. Each Committee has designated Committee members, and other members of the Board are designated alternate committee members. If less than a quorum of the full Board is in attendance, the Board meeting will be adjourned for lack of a quorum and the meeting will proceed as a meeting of the Committee with those Committee members and alternate members in attendance acting as the Committee.

ROLL CALL

PUBLIC COMMENTS - Public comments on agenda items and items under the jurisdiction of the Committee should be made at this time.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED - Determine there is a need to take immediate action on item(s) and that the need for action came to the attention of the District subsequent to the posting of the Agenda. (Requires a unanimous vote of the Committee)

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>.

ACTION ITEMS

1. UPDATE TO FLUME RESIDENTIAL END USES OF WATER STUDY
2. WEROC EMERGENCY OPERATIONS CENTER DESIGN UPDATE AND FUNDING FOR PHASE 2

DISCUSSION ITEMS

3. PRESENTATION REGARDING OC RELIABILITY STUDY PRELIMINARY FINDINGS
4. UPDATE ON COVID-19 (ORAL REPORT)

INFORMATION ITEMS (The following items are for informational purposes only – background information is included in the packet. Discussion is not necessary unless requested by a Director.)

5. MWDOC LEGISLATIVE POLICY PRINCIPLES ANNUAL UPDATE
6. METROPOLITAN'S ASSESSED VALUATION FOR MWDOC AND ORANGE COUNTY FOR FISCAL YEAR 2022-23
7. 2022 OC WATER SUMMIT
8. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects
 - d. Public and Government Affairs
9. REVIEW OF ISSUES RELATED TO PLANNING OR ENGINEERING PROJECTS, WEROC, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, PUBLIC AFFAIRS PROGRAMS AND EVENTS, PUBLIC INFORMATION PROJECTS, PUBLIC INFORMATION CONSULTANTS, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

ADJOURNMENT

NOTE: At the discretion of the Committee, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated, and may be subject to action by the Committee. On those items designated for Board action, the Committee reviews the items and makes a recommendation for final action to the full Board of Directors; final action will be taken by the Board of Directors. Agendas for Committee and Board meetings may be obtained from the District Secretary. Members of the public are advised that the Board consideration process includes consideration of each agenda item by one or more Committees indicated on the Board Action Sheet. Attendance at Committee meetings and the Board meeting considering an item consequently is advised.

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 telephoning 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.



ACTION ITEM
September 21, 2022

TO: Board of Directors

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

Robert Hunter, General Manager
Staff Contact: J. Berg, Director of WUE

SUBJECT: Update to Flume Residential End Uses of Water Study

STAFF RECOMMENDATION

Staff recommends the Board of Directors authorize the General Manager to execute a Change Order to the professional services agreement with Flume, Inc., in the amount of \$25,000, to update the Residential End Uses of Water Study and Dashboard to include two additional quarters (6 months) of data, which will provide for a full year of data in the Study and Dashboard.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

In February 2020, the Board authorized staff to implement a Residential End Uses of Water Study in partnership with Flume, Inc. The cost of that Study totaled \$227,925 and included the installation of 585 “Flume” smart water sensors that attach to typical residential positive displacement water meters. Three member agencies hosted installation of the Flume devices: Golden State Water Company, Santa Margarita Water District, and South Coast Water District. This geographic distribution allowed for drilling into the data by quadrant of the county, that is, by north-coastal, south-coastal, north-inland, and south-inland. These devices collected water consumption flow data in 5-second intervals during the initial 6-month data collection period of October 2021 through March 2022.

Budgeted (Y/N): Yes	Budgeted amount: \$75,000	Core <u> X </u>	Choice <u> </u>
Action item amount: \$25,000		Line item: 35-7040	
Fiscal Impact (explain if unbudgeted): Not applicable, the requested funding is budgeted for WUE research activities.			

Using the Flume device data, the Study disaggregated residential water use into indoor and outdoor volumes. In addition, the Flume device allowed for further disaggregation of indoor residential water use by type of use such as toilet, faucet, shower, clothes washer, leaks, bath, dishwasher, and other. As a complement to the Study, Flume was also able to build a data dashboard to view the data and evaluate compliance with the developing Water Use Efficiency standards called for in SB 606 and AB 1668. This dashboard can be accessed at:

<https://public.tableau.com/app/profile/flumewater/viz/MWDOCQ12022Dashboard/Q122>

Staff presented the preliminary results of the Residential End Uses of Water Study to the Board at the February 14, 2022 Planning and Operations Committee. Because indoor residential water use is consistent throughout the year, staff is confident the results of the indoor disaggregation are reasonably accurate when using the initial 6-months of data collection. However, for an appropriate evaluation of outdoor water use a full year of data is needed to have a complete picture of landscape irrigation need and act use. To accomplish this, an additional six-months of Flume data is needed.

Staff is now seeking Board authorization to update the Residential End Uses of Water Study and Dashboard to include six-months of additional data from April 2022 through September 2022 (quarters 2 and 3 of 2022). It is important to include the additional six-months of data so that a full year of data is available for the landscape water use evaluation.

BOARD OPTIONS

Option #1: Staff recommends the Board of Directors authorize the General Manager to enter into a professional services agreement with Flume, Inc., in the amount of \$25,000, to update the Residential End Uses of Water Study and Dashboard to include two additional quarters (6 months) of data, which will provide for a full year of data in the study and dashboard.

Fiscal Impact: None, staff proposes to use budget funds.

Business Analysis: The additional 6-months of data will provide more clarity regarding residential landscape water use and compliance with the developing water use efficiency standards called for in SB 606 and AB 1668.

Option #2: The Board does not approve the staff recommendation.

Fiscal Impact: Cost savings of \$25,000

Business Analysis: MWDOC will miss an opportunity to gain a better understanding of residential landscape water use and compliance with the developing water use efficiency standards called for in SB 606 and AB 1668.



ACTION ITEM
September 21, 2022

TO: Board of Directors

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

Robert Hunter, General Manager Staff Contact: Vicki Osborn

SUBJECT: WEROC EMERGENCY OPERATIONS CENTER DESIGN UPDATE AND
FUNDING FOR PHASE 2

STAFF RECOMMENDATION

Staff recommends the Board of Directors

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

In April 2021, the MWD OC Board directed staff to work with El Toro Water District (ETWD) and the design consultant Brady and Associates, to refine the cost estimates associated with the WEROC Emergency Operations Center (EOC) project. Direction from the April 2021 Board approval was for staff to move forward with determination of the design costs of the EOC as the initial step forward, and not a final commitment.

The Board directed staff to provide an update once the 30% design estimates were completed. This step was accomplished and presented at the April 2022, Planning and Operations Committee Meeting. As the next milestone, direction was given to return to the Board once the 100% design was complete, along with the results related to obtaining outside funding sources.

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

Design Update:

During the week of August 23rd, the consultant informed MWDOC and ETWD that the 100% design documents would not be ready until December 2022. The final EOC design will consist of a Pre-Engineered Metal Building (PEMB) in line with the original contract. Overall, the probable cost of the Emergency Operations Center remains in the 2.6 million dollar range. This figure should not differ significantly with the finalization of the 100% design drawings. (See presentation for cost estimate slide)

Funding Update:

MWDOC Government Affairs and WEROC have been engaged in obtaining external funding sources to pay for the WEROC EOC project. Below is a synopsis of the efforts to date:

Federal Funding

- FY 2022 Homeland Security Appropriations Bill
 - Request for \$3 million
- April 2021
 - Meeting with Senator Feinstein
 - Meeting with Senator Padilla
 - Letters of support requested and received
 - Funding Application/Request submitted
- Our project was chosen as one of nine projects selected in California
- Dec 2021
 - Notified project cut based on direction received from FEMA
- Continued Work after Appropriations by Government Affairs and WEROC:
 - 1/2022 Outreach to the FEMA Region IX Administrator Bob Fenton
 - 2/2022 Meeting with Representative Kim
 - 3/2022 Follow-up conversations with FEMA Region IX Administrator Bob Fenton and Casey De Shong, Acting Branch Chief - Office of the Chief Financial Officer @HQ.
 - 3/3022 Update federal support letters for upcoming FY23 appropriations request
- April 2022
 - FY23 Appropriations Request to Senator Padilla Office submitted April 4th
 - FY23 Appropriations Request to Senator Feinstein Office submitted April 4th
 - Requested changed this year to 2 million based on the 75%/25% match
- June 2022
 - MWDOC Board approved the match funding at the June 2022 Board Meeting
 - Both Senator Feinstein and Senator Padilla Office submitted projects to the Senate Appropriations Committee for funding.
- July 2022
 - Department of Homeland Security Appropriations Bill 2023 Report released and the WEROC EOC did not make the list
 - Note: not many projects in California made the list and only one EOC nationwide in South Carolina made the list

State Funding

- Dec 2021 - 2021 HMGP NOI released and Due Jan 2022
 - NOI EOC Project Submitted by WEROC
- Dec 2021 - Engagement at State Legislative Level
- Jan 2022 DWR contacted potential funding opportunities. No funding is directed to Southern California similar to the funding being allocated to Delta Projects.
- March 2022 CalOES invites MWDOC/WEROC to submit sub-application for HMPG funding based on NOI request. Due April 2022
- April 2022 project was pulled based on the BCA results and challenges trying to use HMP for construction
- Feb-March 2022 - MWDOC Governmental Affairs met with each office in the Orange County delegation to educate them on the project.
- April 2022 – MWDOC Governmental Affairs secured both a Senate and Assembly budget request letter, signed by each member of the Orange County delegation, which was submitted to designated budget staff, as required.

County Funding

MWDOC requested the County allocate \$1.15 million for the WEROC Operations Center from the American Recovery Act or other discretionary funding available.

- July 2021 - Initial Request Letter Sent to the County
- August 2021 - Meeting with CEO office
- Sept 2021 - Letters of Support Requested
- October 2021 - Meeting with County Board of Supervisor Don Wagner
- November 2021 - Meeting with County Board of Supervisor Lisa Bartlett
- ** Government Affairs remained engaged with County BOS Wagner and Bartlett's office between November – February due to redistricting other meetings delayed
- February 2022 - Meeting with County Board of Supervisor Doug Chaffee
- February 2022 - Meeting with County Board of Supervisor Andrew Do
- February 2022 - County Support Letter Campaign
- March 2022 - Follow up Conversation with CEO and County on Process
- April 2022 – Meeting with County Board of Supervisor Katrina Foley
- May 2022 - County CEO advises this will not be an inclusionary budget item as funding is allocated to County Capital Projects

Action Requested from the Board

The Board is requested to make a decision in regards to the WEROC Emergency Operations Center. The two board options are in this report below.

BOARD OPTIONS

Option #1: MWDOC Board approves the use of MWDOC Reserves up to 3 million dollars to fund the construction of a new WEROC Emergency Operations Center.

Fiscal Impact: Allocation of 3 million dollars from the MWDOC Reserves to fund the construction of the WEROC EOC

Business Analysis: WEROC EOC is estimated to cost approximately 2.75 million dollars. MWDOC is currently looking at the MWDOC Reserves Policy and funding

requirements/allocations. This request is timely for action as the MWDOC Reserves Working Group is currently meeting.

Option #2: WEROC EOC Project is shelved once the design is completed until outside funding can be obtained.

Fiscal Impact: Likely additional site preparation and mobilization costs if the project is completed at a different time than ETWD's project; additionally, as seen from the preliminary construction costs of 2019 at 750,000, to updated costs of 1.7 million in 2021, to the updated 2022 costs of 2.75 million, delaying this project may result an additional increases in construction costs.

Business Analysis: Discontinuing the WEROC EOC will limit its overall capabilities as the current aging facility has many limitations already highlighted in the 2019 facility assessment and continues to deteriorate as time passes. This structure will no longer be safe to occupy for emergencies or for day-to-day meetings/trainings.

Attachment A: Water Emergency Response Organization of Orange County Emergency Operations Center Project Update Presentation September 6, 2022.

Attachment B: WEROC EOC Support Letters, Congressionally Directed Spending Request

Attachment C: State Budget Request Letters



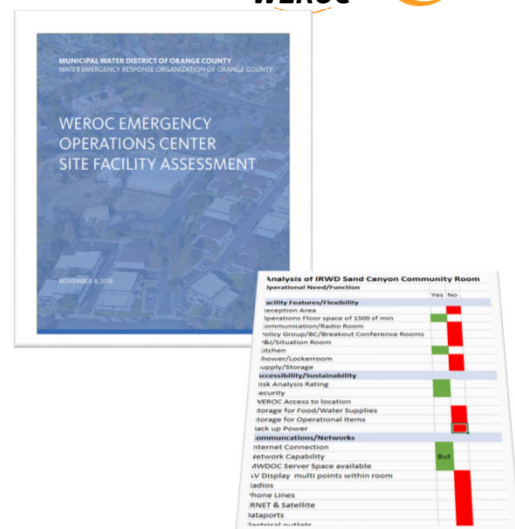
Water Emergency Response Organization of Orange County Emergency Operations Project



Planning and Operations Committee
9.2022

How We Got Here

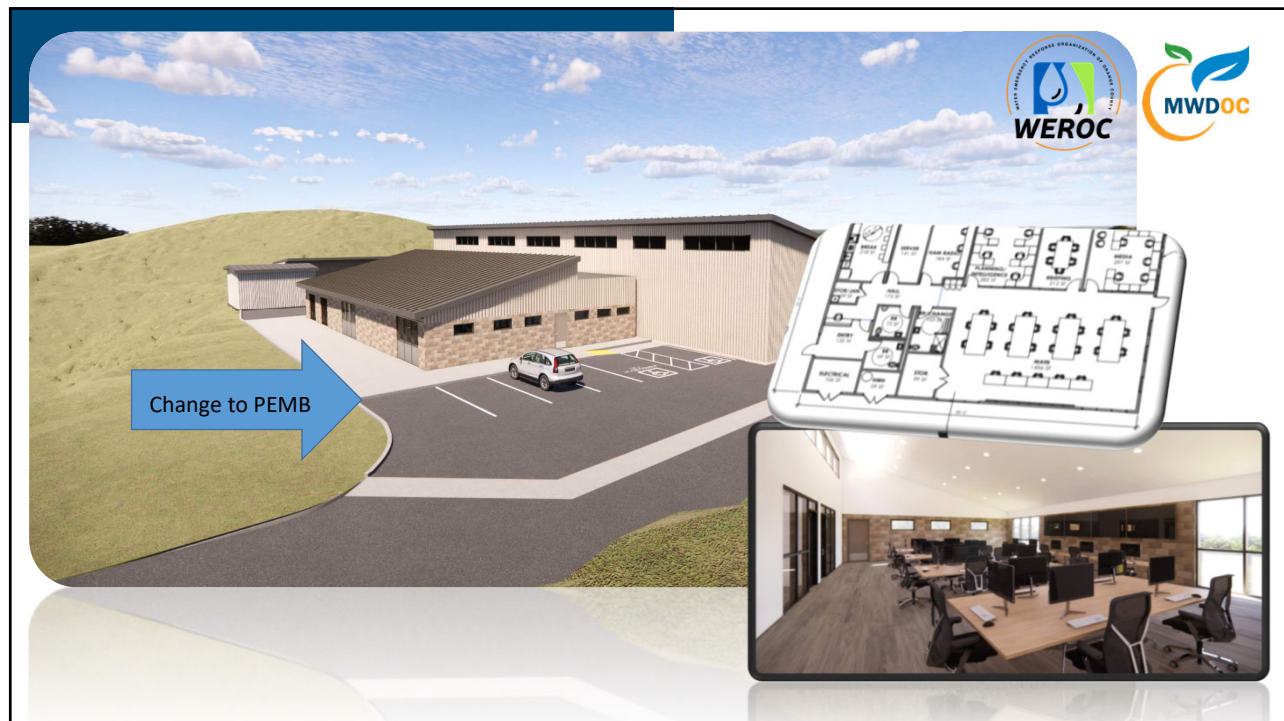
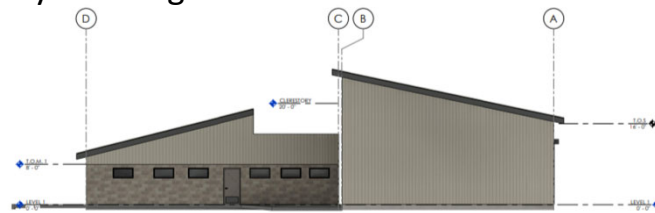
- 💧 WEROC EOC Site Facility Assessment 2016
- 💧 WEROC EOC Seismic Assessment 2017
- 💧 WEROC Program Assessment - 11/2020
- 💧 Other Facilities – EOC Alternatives Research Presentation – April 2021
- 💧 April 21, 2021 - P&O WEROC EOC Project Decision Go/No Go
 - 🔥 Decision to update Design and Costs for Project and bring back to the Board



What Have We Done So Far - Design



- 💧 RFP- Design.
 - 🔥 Joint effort with ETWD
- 💧 10/2021 P&O Committee Meeting
 - 🔥 Approved Cost Share agreement between MWD OC & ETWD for Design – Brady & ABS Consulting
- 💧 Monthly meetings with Brady on design
- 💧 30% Design
 - 🔥 Due March 2022
- 💧 100% Design Final Doc
 - 🔥 Delayed until Nov 2022
 - 🔥 Costs should not change



Element	Quantity	Unit	Unit Cost	Total
EOC BUILDING (PEMB)				
Building scope				
Foundations	4,000	gsf	\$25.30	\$101,200
Slab on grade	4,000	gsf	\$17.10	\$68,400
Metal building erection	4,000	gsf	\$75.00	\$300,000
Miscellaneous metals, allowance	4,000	gsf	\$4.80	\$19,200
Prefabricated metal building structure, quote per	1	ls	\$133,062.00	\$133,062
Tax (city of Lake Forest)	7.75%	pct	\$133,062.00	\$10,312
Allowance for escalation of prefab building	15%	pct	\$133,062.00	\$19,959
Casework	4,000	gsf	\$6.90	\$27,600
Roofing, allowance	4,000	gsf	\$41.00	\$164,000
Doors and windows	4,000	gsf	\$47.80	\$191,200
Interior walls and finishes	4,000	gsf	\$116.00	\$464,000
Specialties, allowance	4,000	gsf	\$20.50	\$82,000
Residential appliances, OFOI				Excluded
Furniture, OFOI				Excluded
Fire sprinklers, allowance	4,000	gsf	\$11.30	\$45,200
Plumbing, allowance	4,000	gsf	\$29.40	\$117,600
HVAC, allowance	4,000	gsf	\$75.00	\$300,000
Electrical, allowance	4,000	gsf	\$95.50	\$382,000
Over-ex and recompact	4,000	gsf	\$8.90	\$35,600
TOTAL - EOC BUILDING (PEMB)				\$2,461,334



Our contract calls for a PEMB

Estimated Building Costs from
April 2021 P&O Report
2021 PEMB - \$1,745,000

Estimated Costs from Phase 1
Design Documents
2022 PEMB - \$ 2,700,000
with total site work

Funding Outreach – Federal

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Funding Outreach – County



Our Ask

Request the County allocate \$1.15 million for the WEROC Operations Center from the American Recovery Act or other discretionary funding available.

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CAPITOL OFFICE
STATE CAPITOL, ROOM 3063
SACRAMENTO, CA 95814
TEL (916) 651-4036
FAX (916) 651-4936

DISTRICT OFFICES
24031 EL TORO ROAD
SUITE 201A
LAGUNA HILLS, CA 92653
TEL (949) 598-5850
FAX (949) 598-5855

169 SAXONY ROAD
SUITE 103
ENCINITAS, CA 92024
TEL (760) 642-0809
FAX (760) 642-0814

SENATOR.BATES@SENATE.CA.GOV
WWW.SENATE.CA.GOV/BATES

California State Senate

SENATOR
PATRICIA C. BATES

THIRTY-SIXTH SENATE DISTRICT



COMMITTEES

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VICE CHAIR

ENVIRONMENTAL QUALITY
VICE CHAIR

HOUSING
VICE CHAIR

RULES
VICE CHAIR

TRANSPORTATION
VICE CHAIR

BUSINESS, PROFESSIONS AND
ECONOMIC DEVELOPMENT

INSURANCE

March 30, 2022

The Honorable Dianne Feinstein
United States Senate
331 Hart Senate Office Building
Washington, D.C. 20510

The Honorable Alex Padilla
United States Senate
112 Hart Senate Office Building
Washington D.C. 20510

RE: FY23 Appropriations Request for Congressionally Directed Spending for the Water Emergency Response Center of Orange County's (WEROC) Emergency Operations Center (EOC)

Dear Senators Feinstein and Padilla,

This letter is in support of the Municipal Water District of Orange County's (MWDOC) FY23 appropriations request for Congressionally Directed Spending for the Water Emergency Response Center of Orange County (WEROC) Emergency Operations Center (EOC).

WEROC, which is administered by MWDOC, supports and manages regional emergency preparedness, planning, response, and recovery efforts among Orange County water and wastewater utilities. To carry out its mission, WEROC provides essential resources, trainings, and exercises to water and wastewater agencies as well as to coordinating partners throughout the county and state.

To do so, the WEROC program actively maintains an EOC that is used to coordinate emergency response operations during threatened or actual natural disasters, acts of terrorism, or other manmade disasters. The trained WEROC EOC staff also provides information sharing and resource coordination when disasters affect the water and wastewater utilities of Orange County.

Unfortunately, California is all too familiar with natural disasters such as devastating wildfires. Moreover, when they occur, water is a critical necessity. It is imperative that our water providers are able to respond.

During a disaster, the WEROC EOC provides the following regionally relied upon essential services:

- Coordination of emergency communications and identification of water agency needs;
- Assessment of the condition of the Orange County water supply system;
- Coordination of mutual aid and quantification of available resources and their optimal use;
- Coordination of policy and strategies to establish repair priorities and water allocation;
- Collection of damage assessment reports and support of agency and community recovery efforts;
- and

The WEROC EOC is a permanent, ready to use facility that supports critical communications infrastructure, including radios that communicate directly with water and wastewater agencies, and with the county and state. The WEROC EOC must be flexible, sustainable, secure, and strategically located within the county.

In 2016, a site facility assessment conducted for WEROC's EOC highlighted the need to address the following operational capabilities:

- Structural enhancements;
- Life safety modifications;
- Building infrastructure improvements; and
- Furniture and equipment workspace upgrades.

The total estimated cost for WEROC to construct a new structure that addresses the shortcomings identified in the site facility assessment, and to ensure that the EOC can continue to provide critical public services is approximately \$2 million.

A safely functioning WEROC EOC is vital to Orange County and throughout Southern California. I ask for your support of the MWDOC's federal appropriations request for the reasons outlined above.

Sincerely,



PATRICIA C. BATES
Senator, 36th District

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0068
(916) 319-2068
FAX (916) 319-2168

DISTRICT OFFICE
3240 EL CAMINO REAL, SUITE 110
IRVINE, CA 92602
(714) 665-6868
FAX (714) 665-6867

E-MAIL
Assemblymember.Choi@assembly.ca.gov



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VICE CHAIR: JOBS, ECONOMIC
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ARTS, ENTERTAINMENT, SPORTS,
TOURISM, AND INTERNET MEDIA
BANKING AND FINANCE
BUDGET
LEGISLATIVE ETHICS

BUDGET SUB COMMITTEE NO. 2 ON
EDUCATION FINANCE

March 30, 2022

The Honorable Dianne Feinstein
United States Senate
331 Hart Senate Office Bldg.
Washington, D.C. 20510

The Honorable Alex Padilla
United States Senate
112 Hart Senate Office Bldg.
Washington, D.C. 20510

Re: Congressionally Directed Spending Request for the Water Emergency Response Center of Orange County Emergency Operations Center

Dear Senators Feinstein and Padilla:

I am writing to you in support of the Municipal Water District of Orange County's (MWDOC) FY22 appropriations request for Congressionally Directed Spending for the **Water Emergency Response Center of Orange County (WEROC) Emergency Operations Center (EOC)**.

WEROC, administered by MWDOC, supports and manages regional emergency preparedness, planning, response, and recovery efforts among Orange County water and wastewater utilities. To carry out its mission, WEROC provides essential resources, trainings, and exercises to water and wastewater agencies as well as to coordinating partners throughout the county and state.

To do so, the WEROC program actively maintains an EOC that is used to coordinate emergency response operations during threatened or actual natural disasters, acts of terrorism, or other manmade disasters. The trained WEROC EOC staff also provides information sharing and resource coordination when disasters affect the water and wastewater utilities of Orange County.

Unfortunately, California is all too familiar with natural disasters such as devastating wildfires. Moreover, when they occur, water is a critical necessity. It is imperative that our water providers are able to respond.

During a disaster, the WEROC EOC provides the following regionally relied upon essential services:

- Coordination of emergency communications to identify needs of water agencies
- Assess the condition of the Orange County water supply system
- Coordination of mutual aid and quantify available resources and their optimal use
- Coordination of policy and strategies to establish repair priorities and water allocation
- Collection of damage assessment reports and support agency and community recovery efforts

- Ability to provide a single point of contact for local water agencies, Metropolitan Water District of Southern California, County Operational Area, California Office of Emergency Services, and the Department of Water Resources

The WEROC EOC is a permanent, ready to use facility that supports critical communications infrastructure, including radios that communicate directly with water and wastewater agencies, and with the county and state. The WEROC EOC must be flexible, sustainable, secure, and strategically located within the county.

In 2016, a site facility assessment conducted for WEROC's EOC highlighted the need to address the following operational capabilities:

- Structural enhancements
- Life safety modifications
- Building infrastructure improvements
- Furniture and equipment workspace upgrades

The total estimated cost for WEROC to construct a new structure that addresses the shortcomings identified in the site facility assessment, and to ensure that the EOC can continue to provide critical public services is approximately \$2 million.

When an earthquake hits or wildfires are raging, water may not be your first thought when it comes to emergency response. However, it is a critical component that cannot be overlooked. A safely functioning WEROC EOC is vital to the resilience of water and wastewater infrastructure, to the community members of Orange County, and throughout Southern California.

I strongly encourage your support of the Municipal Water District of Orange County's federal appropriations request for the reasons outlined above.

Sincerely,

A handwritten signature in blue ink that reads "Steven S. Choi". The signature is fluid and cursive, with the first name "Steven" and last name "Choi" being more prominent than the middle initial "S".

Steven Choi, Ph.D.
Assemblymember, 68th District



DOUG CHAFFEE **DONALD P. WAGNER**
CHAIRMAN, FOURTH DISTRICT VICE CHAIR, THIRD DISTRICT
ORANGE COUNTY BOARD OF SUPERVISORS
ORANGE COUNTY HALL OF ADMINISTRATION
333 W. SANTA ANA BLVD., SANTA ANA, CALIFORNIA 92701

April 6, 2022

The Honorable Dianne Feinstein
United States Senate
331 Hart Senate Office Building
Washington, D.C. 20510

The Honorable Alex Padilla
United States Senate
112 Hart Senate Office Building
Washington D.C. 20510

Re: Congressionally Directed Spending Request for the Water Emergency Response Center of Orange County Emergency Operations Center

Dear Senators Feinstein and Padilla:

We write to you in support of the Municipal Water District of Orange County's (MWDOC) FY22 appropriations request for Congressionally Directed Spending for the Water Emergency Response Center of Orange County (WEROC) Emergency Operations Center (EOC).

WEROC, administered by MWDOC, supports and manages regional emergency preparedness, planning, response, and recovery efforts, coordinating among Orange County water and wastewater utilities. To carry out its mission, WEROC provides essential resources, including professional training and exercises for water and wastewater agencies. It also coordinates partners throughout the county and state.

The WEROC program actively maintains an EOC used to facilitate emergency response operations during threatened or actual natural disasters, acts of terrorism, or manufactured disasters. The trained WEROC EOC staff also provides information sharing and resource coordination when disasters affect the water and wastewater utilities of Orange County.

Unfortunately, California is fraught with natural disasters such as devastating wildfires. Moreover, when they occur, water is a critical necessity. Our water providers must be able to respond.

During a disaster, the WEROC EOC provides the following regionally relied upon essential services:

- Coordination of emergency communications and identifying needs of water agencies
- Assess the condition of the Orange County water supply system
- Coordination of mutual aid; quantifiable available resources and their optimal use

- Coordination of policy and strategies to establish repair priorities and water allocation
- Collection of damage assessment reports and support agency and community recovery efforts
- Ability to provide a single point of contact for local water agencies, Metropolitan Water District of Southern California, County Operational Area, California Office of Emergency Services, and the Department of Water Resources

The WEROC EOC is a permanent, ready-to-use facility that supports critical communications infrastructure. It also requires radio communication, relaying information with water- and wastewater agencies, plus county and state departments. The WEROC EOC must be flexible, sustainable, secure, and strategically located within the county.

In 2016, a site facility assessment conducted for WEROC's EOC highlighted the need to address the following operational capabilities:

- Structural enhancements
- Life safety modifications
- Building infrastructure improvements
- Furniture and equipment workspace upgrades

The total estimated cost for WEROC to construct a new structure is approximately \$2 million. This estimate addresses the shortcomings identified in the site facility assessment and ensures that the EOC can continue to provide critical public services.

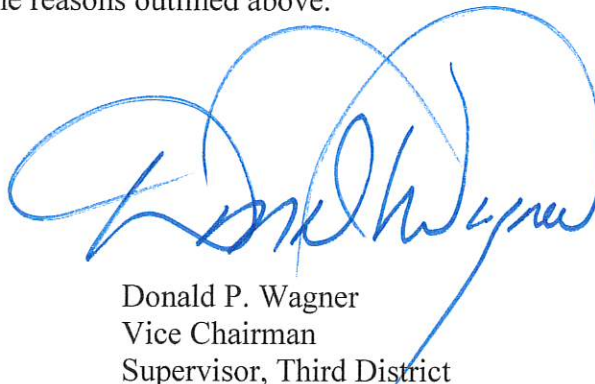
When an earthquake hits or wildfires rage, water may not be your first thought of an emergency defense, but it is a critical component of disaster mitigation. A safely functioning WEROC EOC is vital to the resiliency of water and wastewater infrastructure — and it is desired by the Orange County community and throughout Southern California.

We strongly encourage your support of the Municipal Water District of Orange County's federal appropriations request for the reasons outlined above.

Sincerely,



Doug Chaffee
Chairman
Supervisor, Fourth District



Donald P. Wagner
Vice Chairman
Supervisor, Third District



ORANGE COUNTY SHERIFF'S DEPARTMENT

SHERIFF-CORONER DON BARNES

OFFICE OF THE SHERIFF

March 28, 2022

The Honorable Dianne Feinstein
United States Senate
331 Hart Senate Office Building
Washington, D.C. 20510

The Honorable Alex Padilla
United State Senate
112 Hart Senate Office Building
Washington, D.C. 20510

Dear Senator Feinstein and Senator Padilla:

On behalf of the Orange County Sheriff's Department, I am writing to express support for the Municipal Water District of Orange County, Water Emergency Response Organization of Orange County (WEROC) Emergency Operations Center FY 2023 Non-Defense Congressionally Directed Spending Request.

WEROC provides information sharing and resource coordination when disasters impact the water and wastewater utilities of Orange County. The County relies on WEROC during disasters to activate its Emergency Operations Center to provide essential services to support agency and community recovery efforts. Examples of these services include coordinating emergency communications, assessing the condition of the water supply system, collecting damage assessments, and coordinating repair priorities.

The WEROC Emergency Operation Center is a permanent, ready to use facility that supports critical infrastructure for communications, including radios that communicate directly with water and wastewater agencies, and with the County and State. The current Emergency Operation Center is outdated and WEROC is in need of an updated facility. This Congressionally Directed Spending Request will assist in making this critical upgrade.

As a Director of Emergency Services in Orange County, I know water and wastewater systems are critical infrastructure. When disaster strikes these systems it is imperative to effectively coordinate response and recovery of resources for first responders, community members, and businesses. The proposed project is an investment in critical infrastructure that will provide regional benefit to accomplish stronger disaster response, recovery, and resilience.

Thank you for your consideration of this request.

Sincerely,

A handwritten signature in blue ink, appearing to read "Don Barnes".

Don Barnes
Sheriff-Coroner

550 N. FLOWER STREET, SANTA ANA, CA 92703 | 714-647-1800



ORANGE COUNTY SHERIFF'S DEPARTMENT

SHERIFF-CORONER DON BARNES

March 30, 2022

The Honorable Dianne Feinstein
United States Senate
331 Hart Senate Office Building
Washington, D.C. 20510

The Honorable Alex Padilla
United State Senate
112 Hart Senate Office Building
Washington, D.C. 20510

Dear Senator Feinstein and Senator Padilla:

On behalf of the Orange County Sheriff's Department Emergency Management Division, I am writing to express support for the Municipal Water District of Orange County, Water Emergency Response Organization of Orange County Emergency Operations Center FY23 Non-Defense Congressionally Directed Spending Request. As described below, this project specifically invests in resources that will allow Orange County to address climate-resilience and safeguard the availability of critical water resources for disadvantaged communities.

Under the California Emergency Services Act § 2409, the County and all of its political subdivisions compose an "Operational Area" to manage and coordinate information, resources, and priorities among the local governments within the geographic area of the County, and to serve as the coordination and communication link between the local government level and the regional level of the State; and to use multi-agency or inter-agency coordination to facilitate decisions for overall operational area level emergency response activities.

The Water Emergency Response Organization of Orange County (WEROC) Emergency Management Program, which is operated by the Municipal Water District of Orange County (MWDOC), is charged with supporting the resiliency of Orange County's water and wastewater agencies by working with these agencies and the County to build, sustain, and improve the capability to mitigate against, prepare for, respond to, and recover from threatened or actual natural disasters, acts of terrorism, or other man-made disasters.

Water infrastructure has been an increasing focus of hazard analysis and mitigation. Local efforts to assess the probability and impact of natural hazards and man-made threats has resulted in the science-based analysis of probabilities of existing hazards such as earthquakes, floods, and wildfires are now being measured. The threat of terrorism and cyber-attack incidents have challenged water agencies to adapt operations to new threat profiles. Climate change continues to produce demonstrable extreme weather effects including extreme peak rainfall intensity, or lack of rainfall leading to drought, potentially more significant wildland fire incidents, significant winter storms, increased extreme heat incidents, and coastal storm surge. WEROC provides support during any of these events and incidents.

WEROC provides information sharing and resource coordination when disasters impact the water and wastewater utilities of Orange County. WEROC is written into and fully integrated within the County's Operational Area Emergency Operations Plan. The WEROC program model has been proven so successful over the years that the concepts have been replicated in other California counties. The program is a recognized contributor for Environmental Protection Agency with the creation of the Water Desk Position to work within Emergency Operations Centers nationwide.

The County relies on WEROC during disasters to activate its Emergency Operations Center to provide the following essential services to support agency and community recovery efforts:

- Coordinate emergency communications among over 37 water and wastewater agencies
- Assess the condition of the Orange County water supply system and wastewater management systems
- Identify needs of water and wastewater agencies by collecting damage assessment reports
- Coordinate mutual aid and quantify available resources and their optimal use
- Coordinate Policy and Strategies to establish repair priorities and establish water allocation schemes
- Provide a single point of contact for water agencies, Metropolitan Water District of Southern California, County Operational Area, California Office of Emergency Services, and the Department of Water Resources
- Serves as the Southern California Region mutual aid coordinator for the California Water and Wastewater Agency Response Network known as CalWarn
- Keep senior and elected officials informed

The WEROC Emergency Operation Center is a permanent, ready to use facility that supports critical infrastructure for communications, including radios that communicate directly with water and wastewater agencies, and with the County and State. Additional

redundant, interoperable permanent communication systems are installed at the Emergency Operations Center to provide direct access to multiple responding partners.

Over the course of the past 15 years, all areas of the nation have seen a rise in natural and man-made disasters, Orange County, California is no different. The Water Emergency Response Organization of Orange County has responded to and supported recovery efforts for 15 Federally Declared Disasters and two California Disaster Assistance Act events in Orange County; moreover, this figure does not include the multitude of smaller events requiring Emergency Operations Center Coordination efforts which is why this Emergency Operations Center project is vital to the resiliency of the Critical Water and Wastewater Infrastructure and the community members of Orange County and throughout the Southern Region.

Water and wastewater systems are critical infrastructure. When disaster strikes these systems, it is imperative to effectively coordinate response and recovery of resources to community members and businesses. Economically and socially disadvantaged communities need these types of investments in order to increase resilience after disasters. The proposed project is an investment in critical infrastructure that will provide regional benefit to accomplish stronger disaster response, recovery, and resilience.

Sincerely,

Michelle Anderson

Michelle L. Anderson, CEM, MBA
County Emergency Manager
Director, Emergency Management Division
Orange County Sheriff's Department



ORANGE COUNTY FIRE AUTHORITY

P.O. Box 57115, Irvine, CA 92619-7115 • 1 Fire Authority Road, Irvine, CA 92602

Brian Fennessy, Fire Chief

(714) 573-6000

www.ocfa.org

March 29, 2022

The Honorable Dianne Feinstein
United States Senate
331 Hart Senate Office Building
Washington, D.C. 20510

The Honorable Alex Padilla
United States Senate
112 Hart Senate Office Building
Washington, D.C. 20510

Dear Senator Feinstein and Senator Padilla:

On behalf of the Orange County Fire Authority, I am writing to express support for the Municipal Water District of Orange County, Water Emergency Response Organization of Orange County Emergency Operations Center FY23 Non-Defense Congressionally Directed Spending Request.

Under the California Emergency Services Act § 2409, the County and all of its political subdivisions compose an "Operational Area" to manage and coordinate information, resources, and priorities among the local governments within the geographic area of the County, and to serve as the coordination and communication link between the local government level and the regional level of the state; and to use multi-agency or inter-agency coordination to facilitate decisions for overall operational area level emergency response activities.

The Water Emergency Response Organization of Orange County (WEROC) Emergency Management Program, which is operated by the Municipal Water District of Orange County (MWDOC), is charged with supporting the resiliency of Orange County's water and wastewater agencies by working with these agencies and the County to build, sustain, and improve the capability to mitigate against, prepare for, respond to, and recover from threatened or actual natural disasters, acts of terrorism, or other man-made disasters.

Water infrastructure has been an increasing focus of hazard analysis and mitigation. Local efforts to assess the probability and impact of natural hazards and man-made threats has resulted in the science-based analysis of probabilities of existing hazards such as earthquakes, floods, and wildfires. The threat of terrorism and cyber-attack incidents have challenged water agencies to adapt operations to new threat profiles. Climate change continues to produce demonstrable extreme weather effects including extreme peak rainfall intensity, or lack of rainfall leading to drought, potentially more significant wildland fire incidents, significant winter storms, increased extreme heat incidents, and coastal storm surge. WEROC provides support during any of these events and incidents.

Serving the Cities of: Aliso Viejo • Buena Park • Cypress • Dana Point • Garden Grove • Irvine • Laguna Hills • Laguna Niguel • Laguna Woods
Lake Forest • La Palma • Los Alamitos • Mission Viejo • Rancho Santa Margarita • San Clemente • San Juan Capistrano • Santa Ana
Seal Beach • Stanton • Tustin • Villa Park • Westminster • Yorba Linda • and Unincorporated Areas of Orange County

RESIDENTIAL SPRINKLERS AND SMOKE ALARMS SAVE LIVES

WEROC provides information sharing and resource coordination when disasters impact the water and wastewater utilities of Orange County. WEROC is written into and fully integrated within the County's Operational Area Emergency Operations Plan. The WEROC program model has been proven so successful over the years that the concepts have been replicated in other California counties. The program is a recognized contributor for the Environmental Protection Agency with the creation of the Water Desk Position to work within Emergency Operations Centers nationwide.

The County relies on WEROC during disasters to activate its Emergency Operations Center to provide the following essential services to support agency and community recovery efforts:

- Coordinate emergency communications among over 37 water and wastewater agencies
- Assess the condition of the Orange County water supply system and wastewater management systems
- Identify needs of water and wastewater agencies by collecting damage assessment reports
- Coordinate mutual aid and quantify available resources and their optimal use
- Coordinate Policy and Strategies to establish repair priorities and establish water allocation schemes
- Provide a single point of contact for water agencies, Metropolitan Water District of Southern California, County Operational Area, California Office of Emergency Services, and the Department of Water Resources
- Serves as the Southern California Region mutual aid coordinator for the California Water and Wastewater Agency Response Network known as CalWarn
- Keep senior and elected officials informed

The WEROC Emergency Operations Center is a permanent, ready to use facility that supports critical infrastructure for communications, including radios that communicate directly with water and wastewater agencies, and with the county and state. Additional redundant, interoperable permanent communication systems are installed at the Emergency Operations Center to provide direct access to multiple responding partners.

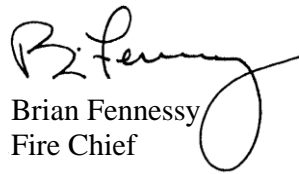
Over the course of the past 15 years, all areas of the nation have seen a rise in natural and man-made disasters; Orange County, California, is no different. The Water Emergency Response Organization of Orange County has responded to and supported recovery efforts for 15 Federally Declared Disasters and two California Disaster Assistance Act events in Orange County; moreover, this figure does not include the multitude of smaller events requiring Emergency Operations Center Coordination efforts which is why this Emergency Operations Center project is vital to the resiliency of the Critical Water and Wastewater Infrastructure and the community members of Orange County and throughout the Southern Region.

Serving the Cities of: Aliso Viejo • Buena Park • Cypress • Dana Point • Garden Grove • Irvine • Laguna Hills • Laguna Niguel • Laguna Woods
Lake Forest • La Palma • Los Alamitos • Mission Viejo • Rancho Santa Margarita • San Clemente • San Juan Capistrano • Santa Ana
Seal Beach • Stanton • Tustin • Villa Park • Westminster • Yorba Linda • and Unincorporated Areas of Orange County

The Honorable Dianne Feinstein
The Honorable Alex Padilla
March 29, 2022
Page Three

As a Director of Emergency Services in Orange County, I endorse water and wastewater systems are critical infrastructure. When disaster strikes these systems, it is imperative to effectively coordinate response and recovery of resources for first responders, community members, and businesses. The proposed project is an investment in critical infrastructure that will provide regional benefit to accomplish stronger disaster response, recovery, and resilience.

Respectfully,



Brian Fennessy
Fire Chief



April 27, 2022

The Honorable Dianne Feinstein
United States Senate
311 Hart Senate Office Bldg.
Washington, D.C. 20510

The Honorable Alex Padilla
United States Senate
112 Hart Senate Office Bldg.
Washington, D.C. 2051

Dear Senators Feinstein and Padilla,

The California Governor's Office of Emergency Services (Cal OES) is the state administering agency for Emergency Operations Center (EOC) funding, and is in receipt of a request from the Water Emergency Response Organization of Orange County (WEROC) as part of the Fiscal Year 2023 Congressionally Directed Spending process. WEROC requests \$2 million to build a new EOC.

Cal OES believes this project will greatly benefit the local community and the resilience of the State. Typically, EOC projects are ranked and rated by Cal OES and submitted to the Federal Emergency Management Agency for final award decisions. Due to the nature of this unique funding opportunity, Cal OES program experts have assessed that this project meets the normal program qualifications. Cal OES' administration of this project will follow the same strict requirements, qualifications, and scrutiny as the traditional project selection and monitoring process.

An award for this project signifies an investment not only by WEROC and the state, but also by Congress. As Congressionally Directed Spending is determined legislatively, Cal OES encourages the Senate to closely follow projects that are implemented to meet congressional intent appropriately. Additionally, Cal OES requests that Congress include funding in Fiscal Year 2023 appropriation legislation to cover state management and administration costs for all Congressionally Directed Spending.

Sincerely,

MARK S. GHILARDUCCI
Director



3650 SCHRIEVER AVENUE, MATHER, CA 95655
(916) 845-8506 TELEPHONE (916) 845-8511 FAX
www.CalOES.ca.gov



March 29, 2022

The Honorable Dianne Feinstein
United States Senate
331 Hart Senate Office Building
Washington, D.C. 20510

The Honorable Alex Padilla
United States Senate
112 Hart Senate Office Building
Washington D.C. 20510

Re: Congressionally Directed Spending Request for the Water Emergency Response Center of Orange County Emergency Operations Center

Dear Senators Feinstein and Padilla:

On behalf of the Association of California Cities – Orange County, I am writing in support of the Municipal Water District of Orange County's (MWDOC) FY23 appropriations request for Congressionally Directed Spending for the **Water Emergency Response Center of Orange County (WEROC) Emergency Operations Center (EOC)**.

WEROC, which is administered by MWDOC, supports and manages regional emergency preparedness, planning, response, and recovery efforts among Orange County water and wastewater utilities. To carry out its mission, WEROC provides essential resources, trainings, and exercises to water and wastewater agencies as well as to coordinating partners throughout the county and state.

Unfortunately, California is all too familiar with natural disasters such as devastating wildfires.

Moreover, when they occur, water is a critical necessity. It is imperative that our water providers are able to respond during threatened or actual natural disasters, acts of terrorism, or other manmade disasters. The trained WEROC EOC staff also provides information sharing and resource coordination. During a disaster, the WEROC EOC provides the following regionally relied upon essential services:

- Coordination of emergency communications and Identify needs of water agencies
- Access to the condition of the Orange County water supply system
- Coordination of mutual aid and quantify available resources and their optimal use
- Coordination of policy and strategies to establish repair priorities and water allocation
- Collection of damage assessment reports and support agency and community recovery efforts



- Ability to provide a single point of contact for local water agencies, Metropolitan Water District of Southern California, County Operational Area, California Office of Emergency Services, and the Department of Water Resources

The WEROC EOC is a permanent, ready to use facility that supports critical communications infrastructure, including radios that communicate directly with water and wastewater agencies, and with the county and state. The WEROC EOC must be flexible, sustainable, secure, and strategically located within the county.

The total estimated cost for WEROC to construct a new structure that addresses the shortcomings identified in the site facility assessment, and to ensure that the EOC can continue provide critical public services is approximately \$2 million.

When an earthquake hits or wildfires are raging, water may not be your first thought when it comes to emergency response. However, it is an absolute critical component that cannot be overlooked. A safely functioning WEROC EOC is vital to the resiliency of water and wastewater infrastructure, to the community members of Orange County, and throughout Southern California.

I strongly encourage your support of the Municipal Water District of Orange County's federal appropriations request for the reasons outlined above.

Sincerely,

Bruce E. Channing
Executive Director

cc: ACC-OC Board of Directors
Heather Baez, MWDOC



April 15, 2022

The Honorable Nancy Skinner
Chair, Committee on Budget and Fiscal Review
Legislative Office Building, Room 502
Sacramento, CA 95814

Dear Senator Skinner:

We the undersigned members of the Orange County delegation respectfully request that \$2 million be made available to build a permanent Emergency Operations Center (EOC) for the Water Emergency Response Organization of Orange County (WEROC).

WEROC, which is administered by the Municipal Water District of Orange County, supports and manages regional emergency preparedness, planning, response, and recovery efforts among Orange County water and wastewater utilities. To carry out its mission, WEROC provides essential resources, trainings, and exercises to water and wastewater agencies as well as to coordinating partners throughout the county and state.

WEROC actively maintains an EOC that is used to coordinate emergency response operations during threatened or actual natural disasters, acts of terrorism, or other manmade disasters. The trained WEROC EOC staff also provides information sharing and resource coordination when disasters affect the water and wastewater utilities of Orange County.

During a disaster, the WEROC EOC provides the following regionally relied upon essential services:

- Coordination of emergency communications and identification of water agency needs;
- Assessment of the condition of the Orange County water supply system;
- Coordination of mutual aid and quantification of available resources and their optimal use;
- Coordination of policy and strategies to establish repair priorities and water allocation;
- Collection of damage assessment reports and support of agency and community recovery efforts; and

- Ability to provide a single point of contact for local water agencies, Metropolitan Water District of Southern California, County Operational Area, California Office of Emergency Services, and the Department of Water Resources.
- Building infrastructure improvements; and
- Furniture and equipment workspace upgrades.

The total estimated cost for WEROC to construct a new building that addresses the shortcomings identified in the site facility assessment, and to ensure that the EOC can continue to provide critical public services during any type of emergency, is approximately \$2 million.

Finding affordable land for any purpose in Orange County is a difficult task, but this major obstacle has been removed by the generosity of the El Toro Water District in Lake Forest which has agreed to donate a parcel of land for WEROC's permanent use. All that remains is to secure the necessary funding to build a suitable facility for WEROC to fulfill its vital role, and we respectfully ask that the Budget Committee support of this request.

Sincerely,



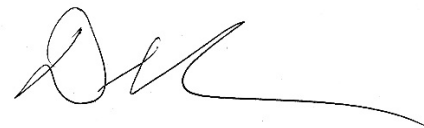
Josh Newman
Senator, District 29



Thomas Umberg
Senator, District 34



Patricia Bates
Senator, District 36



Dave Min
Senator, District 37



COMMITTEE DISCUSSION ITEM

September 6, 2022

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

FROM: Robert Hunter, General Manager

Staff Contact: Charles Busslinger, Chris Lingad

SUBJECT: PRESENTATION REGARDING OC RELIABILITY STUDY PRELIMINARY FINDINGS

STAFF RECOMMENDATION

Staff recommends the Planning & Operations Committee review the presentation by CDM Smith. (The presentation will be posted on the website following the meeting.)

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

Staff have been working with consultant CDM Smith and Metropolitan Water District (MET) staff on an update to the 2018 OC Water Reliability Study (2022 OC Study). As noted in detail further below, updating of the planning assumptions and understanding of the implications will be useful to our staff, Directors, MET Directors, and member agencies for future decision considerations. This update was launched because of significant changes in conditions since the publication of the 2018 OC Study. These changed conditions include:

- Worsening imported water supply conditions for Southern California;
 - State Water Project (SWP) Table A allocation reductions to 20% in 2020, 5% in 2021, and 5% in 2022,
 - Lake Mead at its lowest reservoir elevation levels on record triggering shortage declarations on the Colorado River system for Arizona and Nevada, with a California shortage declaration highly probable for 2023;

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

- Delays in environmental permitting for modernization of aging SWP infrastructure in the Bay-Delta, and Department of Water Resource's ultimate withdrawal of permit applications for a two-tunnel 'Delta WaterFix' project on May 2, 2019;
- Lower regional water demands for MET's service area;
- Increased understanding of climate change impacts relating to temperature;
- April 12, 2022 MET Board adoption of the MET 2020 Integrated Water Resources Plan (IRP) Needs Assessment;
- July 27, 2022 release of the Draft Environmental Impact Report (DEIR) for a single tunnel SWP water supply reliability project in the Bay-Delta – 'Delta Conveyance Project' (DCP),
- State Water Resources Control Board (SWRCB) planning to set water use standards based on combined levels of indoor water usage, outdoor water usage, and system losses.

Purpose

The purpose of the 2022 OC Study is to provide a current perspective of likely future water reliability conditions for policymakers facing upcoming strategic decision points, and for the public; regarding Southern California's, and particularly Orange County's, water reliability future. This analysis of future water reliability conditions compares current best estimates of water supplies and water demands out to 2050 for both the MET service area and for Orange County. Using a scenario approach to analyze critical factors that will likely impact our water reliability future; the analysis builds upon the scenarios from the 2018 OC Study, the MET 2020 IRP Needs Assessment (Phase 1), and includes updated conditions and improved understanding of impacts to the water supply-demand balance.

The 2022 OC Study update will provide the following information to aid regional water supply planning in Orange County and for MET's IRP Implementation (Phase 2):

- 1) Estimates of the probability and magnitude of potential water shortages in Orange County and the MET service area under various planning scenarios,
- 2) Potential economic benefits of reducing water shortages in Orange County from the implementation of additional water supply projects

The 2022 OC Study will not rank potential water supply projects in Orange County, but rather provide information that can be used by local water agencies in the planning and implementation of projects for improved water supply reliability.

2022 OC Study Assumptions

Planning Scenarios

As the future is uncertain, planning scenarios were developed as an extension of 2018 OC Study scenarios to explore plausible projected ranges of future climate change impacts, water demands, and imported and local water supplies. Draft planning scenarios were presented to MWD's P&O Committee on June 6, 2022. The scenarios were subsequently revised to facilitate a more direct comparison of the impacts of climate change and the benefit of the California DCP. The final planning scenarios for the 2022 OC Study, shown in detail in Table 1, are defined as:

1. Low Stress without Delta Conveyance – representing a warm/wet climate future with some additional MET water supplies and current water use efficiency,
2. Moderate Stress without Delta Conveyance – representing a warm/dry climate future with some additional MET water supplies and current water use efficiency,
3. Moderate Stress with Delta Conveyance – representing a warm/dry climate future with some additional MET water supplies and current water use efficiency,
4. Significant Stress without Delta Conveyance – representing a hot/dry climate future with more additional MET water supplies and increased water use efficiency,
5. Significant Stress with Delta Conveyance – representing a hot/dry climate future with more additional MET water supplies and increased water use efficiency.

The increased water use efficiency targets for Scenarios 4 and 5 were based on new proposed California standards for water conservation; but used a longer implementation schedule of 2040 to get to an Evapotranspiration Adjustment Factor (ETF) of .65 as was proposed in MWDOC's November 24, 2021 Water Conservation Legislation Comment letter on the State's proposed Water Use Standards.

Table 1. Planning Scenarios for 2022 OC Study

Scenario Name	Climate Change Future	OC Basin	MET & OC Water Demands	New MET Water Transfers and Storage	MET Pure Water Southern California	Delta Conveyance Project (DCP)
1. Low Stress <u>without</u> Delta Conveyance	Warm/Wet	BPP Target of 82% Median SAR baseflows	Lower baseline with <u>current</u> water use efficiency targets	100 TAF CRA Transfers (2030)	102 TAF (2035)	Not implemented
2. Moderate Stress <u>without</u> Delta Conveyance	Warm/Dry	BPP Target of 82% Median SAR baseflows	Lower baseline with <u>current</u> water use efficiency targets	100 TAF CRA Transfers (2030)	102 TAF (2035)	Not implemented
3. Moderate Stress <u>with</u> Delta Conveyance	Warm/Dry	BPP Target of 82% Median SAR baseflows	Lower baseline with <u>current</u> water use efficiency targets	100 TAF CRA Transfers (2030)	102 TAF (2035)	Implemented (2040)
4. Significant Stress <u>without</u> Delta Conveyance	Hot/Dry	BPP Target of 82% Low SAR baseflows	Lower baseline with <u>increased</u> water use efficiency targets	100 TAF CRA Transfers (2030) 250 TAF MET Local Storage (2035)	168 TAF (2035)	Not implemented

5. Significant Stress with Delta Conveyance	Hot/Dry	BPP Target of 82% Low SAR baseflows	Lower baseline with <u>increased</u> water use efficiency targets	100 TAF CRA Transfers (2030) 250 TAF MET Local Storage (2035)	168 TAF (2035)	Implemented (2040)
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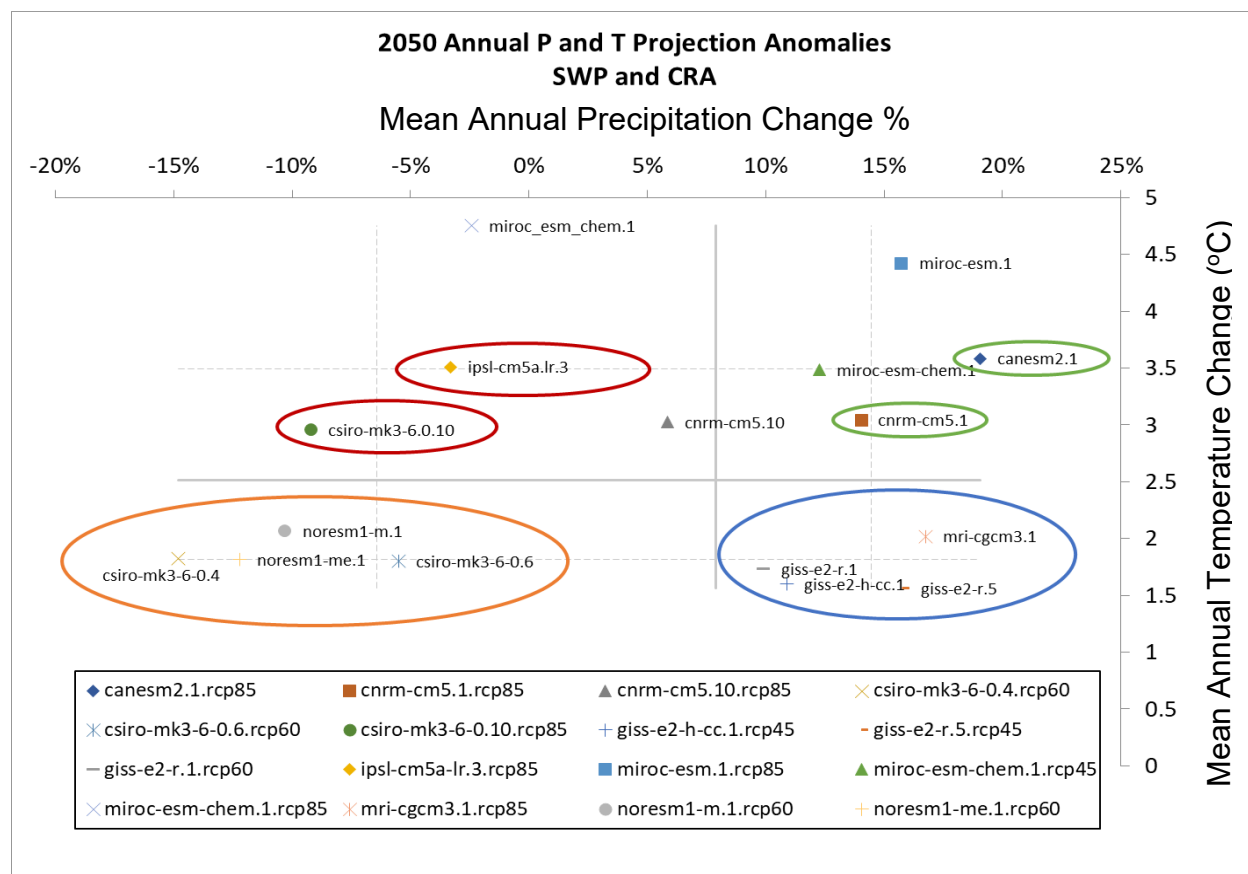
Notes:

1. SAR = Santa Ana River
2. TAF = thousand acre-feet
3. BPP = Orange County Water District Basin Pumping Percentage
4. Online dates for new MET and DCP projects shown in parentheses
5. If OC Basin overdraft is greater than 500,000 acre-feet for extend period of time due to combination of reduced stormflows and MET drought allocations, BPP gets adjusted downward

Climate Change Modeling

Future climate change impacts were modeled by CDM Smith and sub-contractor Dr. David Yates, of the National Center for Atmospheric Research. To estimate impacts on MET's imported water sources, Dr. Yates utilized a Southwest Water Evaluation And Planning (WEAP) hydrologic model to estimate changes in snowpack and river inflows to reservoirs for the SWP system and Colorado River using 16 global climate models (GCMs) from the Coupled Model Intercomparison Project (CMIP) Series 5. These 16 GCMs were selected to represent boundary conditions under hot/dry, hot/wet, warm/dry and warm/wet climate futures, as depicted in an anomaly plot below showing changes from historical precipitation and temperature (see Figure 1). CDM Smith selected a sub-set of GCMs (as indicated in circles) for each quadrant shown in Figure 1 for the 2022 OC Study scenarios shown in Table 1. Results from Dr. Yate's WEAP modeling were then applied to a truncated historical hydrologic period from 1965-2021 for both the SWP and Colorado River systems. Instead of using the hydrologic period of 1922-2021, the truncated hydrologic period was used to represent the general scientific consensus that human-induced climate warming began in the mid-1960s and therefore earlier hydrologic periods should no longer be used for future planning.

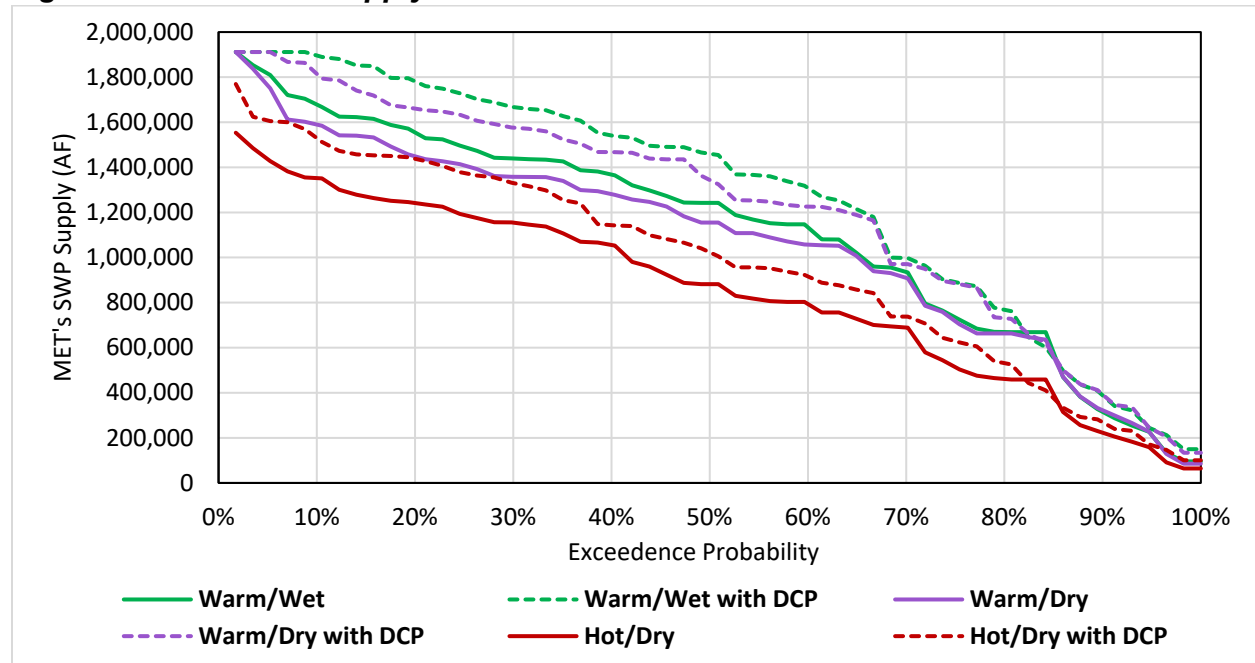
Figure 1. Selection of Global Climate Models (GCMs) for 2022 OC Study



MET SWP Supplies

MET's SWP supplies for the year 2050 under warm/wet, warm/dry and hot/dry climate futures are shown in Figure 2, with and without the DCP. MET's Colorado River Aqueduct (CRA) supplies for the year 2050 under the same climate futures are shown in Figure 3. In both cases, these supplies do not include MET's water transfers or banking programs as they are modeled separately.

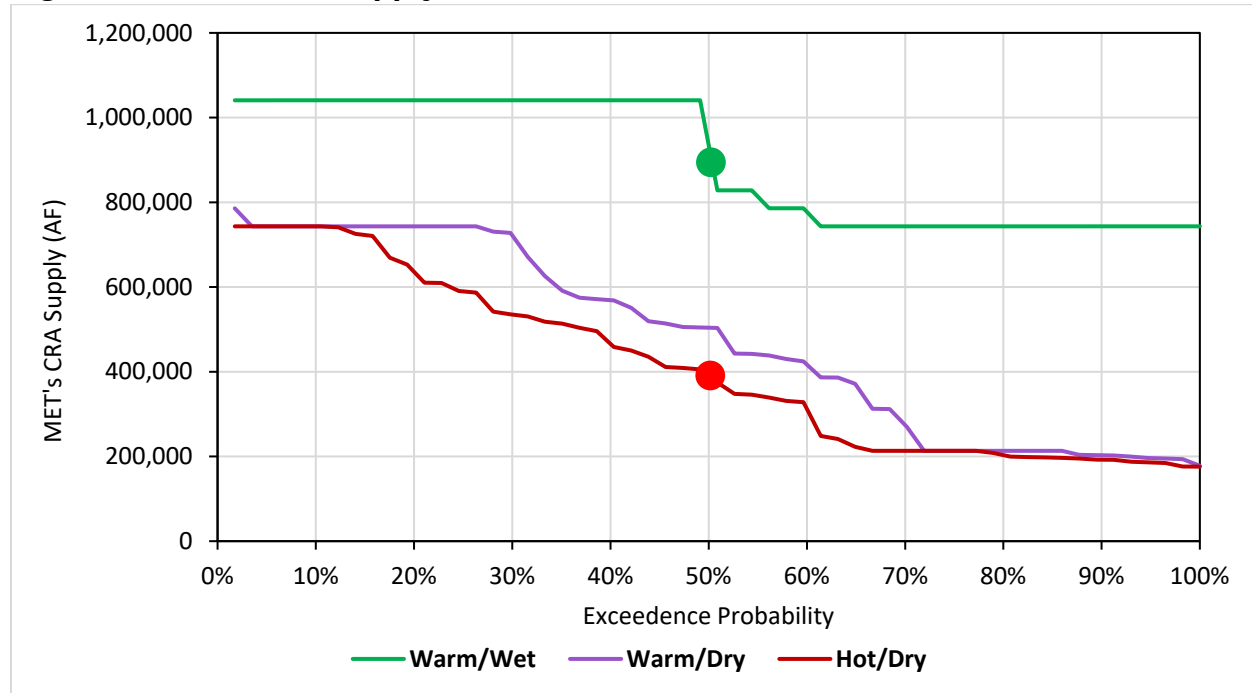
Figure 2. MET's SWP Supply Under Different Climate Futures in Year 2050



- Under warm/wet climate future, MET's SWP supply is projected to be less than 1.2 million acre-feet (MAF) 50% of the time **without the DCP** in the year 2050.
- Under hot/dry climate future, MET's SWP supply is projected to be less than 0.88 MAF 50% of the time **without the DCP** in the year 2050.
- In an average year, the DCP provides about 0.20 MAF of additional SWP supply under these climate futures. **But the true value of the DCP is cumulative in nature due to MET's storage capabilities.**

MET Colorado River Supplies

Figure 3. MET's CRA Supply Under Different Climate Futures in Year 2050



- Under warm/wet climate future, MET's CRA supply is projected to be less than 0.83 million acre-feet (MAF) 50% of the time in the year 2050 (Green Dot in chart above).
- Under hot/dry climate future, MET's CRA supply is projected to be less than 0.40 MAF 50% of the time in the year 2050 (Red Dot).

For climate change impacts on MET service area water demands and local water supplies (groundwater and surface water), CDM Smith used its empirically-derived climate factors from recent studies conducted in Orange, Los Angeles and San Diego Counties. By 2050, CDM Smith estimated that:

- Water demands can be 4 to 7% greater under climate change compared to historical average.
- Los Angeles Aqueduct (LAA) supplies and local surface reservoir supplies can be 6 to 15% lower under climate change compared to historical average.
- Local groundwater (without recycled or imported water replenishment) can be 10 to 15% lower under climate change than historical average.

MET Water Demand Forecast Ranges

Building from MET's 2020 IRP Needs Assessment, CDM Smith developed MET water demand projections that were aligned to the 2022 OC Study scenarios. MET's water demand projections are based on forecasts of regional water demands less projections of future local water supplies for its member agencies based on several factors that contain uncertainty including;

- Population Growth
- Economic Conditions

- Climate Effects
- Residential, Municipal, Industrial, and Agricultural Demands, including Water Use Efficiency efforts
- Groundwater Demands (for replenishment and seawater barrier protection)
- Regional Water Supplies (surface, groundwater, recycled, seawater desalination)
- Imported Water Supplies – for the State Water Project, Colorado River, and Los Angeles aqueducts

With these factors, MET developed four sets of plausible demand projections for its 2020 IRP:

- Low retail water demands with minimal climate change impacts on local water supplies
- High retail water demands with minimal climate change impacts on local water supplies
- Low retail water demands with significant climate change impacts on local water supplies
- High retail water demands with significant climate change impacts on local water supplies

MET IRP Phase 1 Supply Gap Results for 2045			
A – Low Demands, Min. Climate Change		B – High Demands, Min. Climate Change	
Max Shortage	= 0.0 MAF	Max Shortage	= 0.3 MAF
Probability of Any Shortage	= 0%	Probability of Any Shortage	= 5%
Max Shortage	= 0.2 MAF	Max Shortage	= 1.2 MAF
Probability of Any Shortage	= 5%	Probability of Any Shortage	= 66%
C – Low Demands, Sig. Climate Change		D – High Demands, Sig. Climate Change	

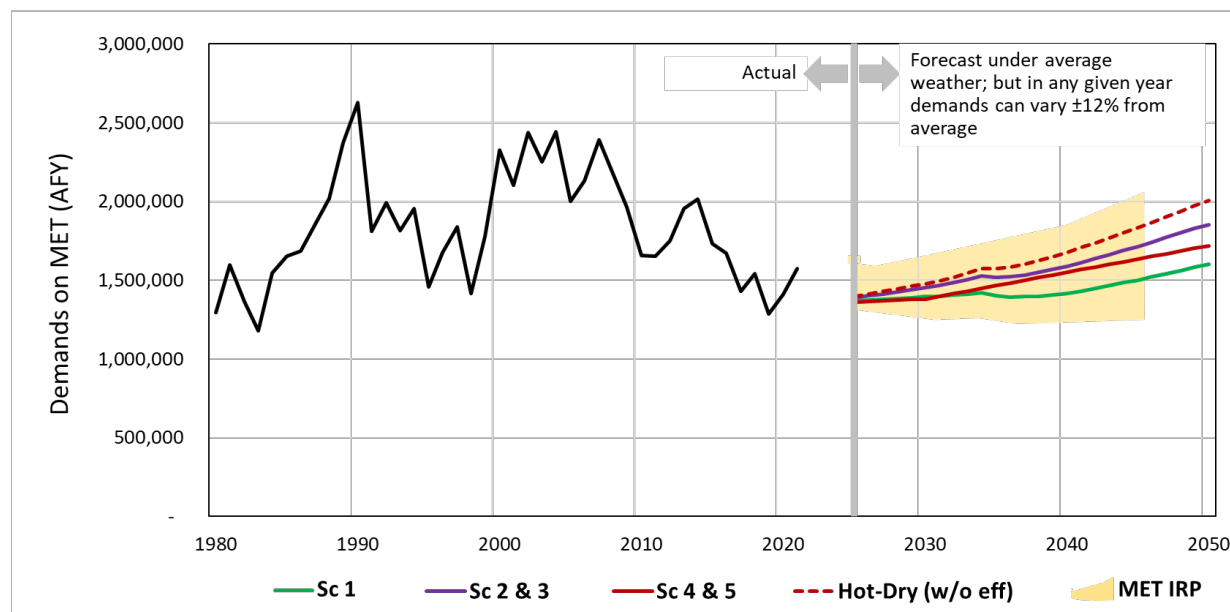
MET 2020 IRP Needs Assessment Summary of Results – CDM Smith

2022 OC Study MET Demand Projections

Because CDM Smith has its own model of climate change impacts, only MET Scenarios A and B were utilized for the 2022 OC Study. After analyzing the range in forecasted retail water demands used by MET for Scenarios A and B, CDM Smith concluded that an average of these retail demands forecasts was more appropriate for the OC 2022 Study. For MET local water supplies, MET Scenario B (with high Retail Demands) was used as the baseline, with the following changes: (1) Los Angeles Aqueduct (LAA) supplies were lowered somewhat to better align estimates with LADWP's 2020 UWMP; and (2) seawater

desalination was reduced to only account for the current San Diego County Water Authority project in Carlsbad that is operational. From this new baseline, CDM Smith applied its own estimate of climate change impacts to reduce local groundwater, LAA supplies, and local surface reservoir supplies. It should be noted that beyond these changes, CDM Smith did not alter any of the assumed projected growth of local recycled water or groundwater recovery supplies assumed by MET for its Scenario B.

Figure 4. MET Water Demand Forecast Range



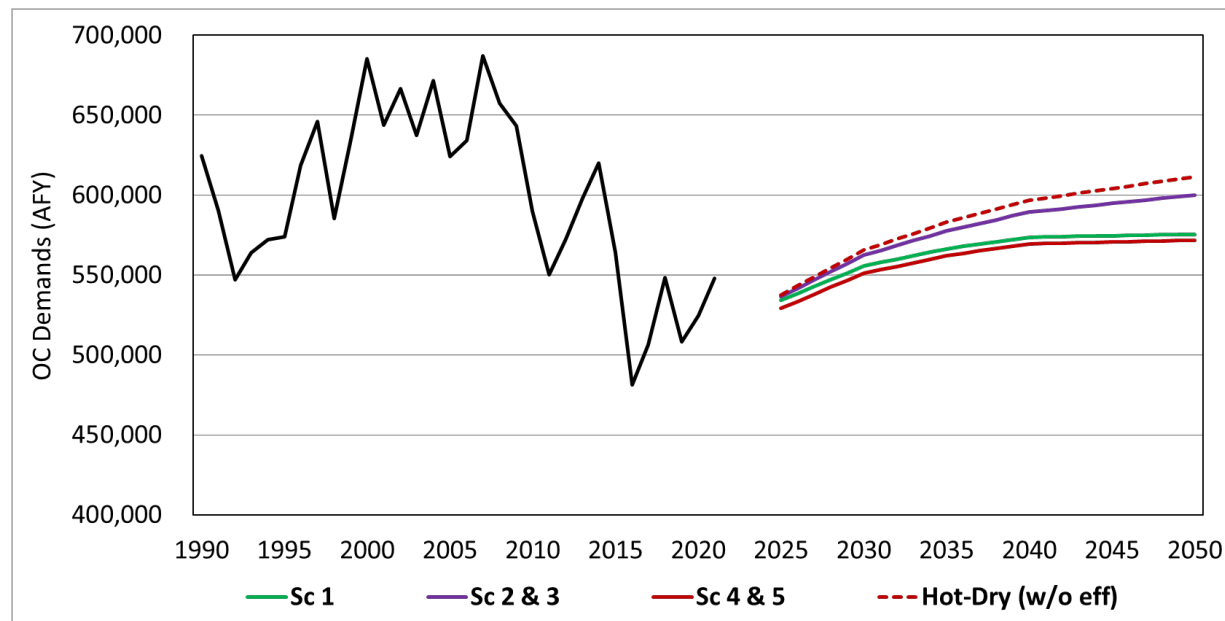
The range of MET demand projections developed by CDM Smith are shown in Figure 4 for the 2022 OC Study scenarios. For reference, a CDM Smith demand projection for a Hot/Dry climate future without increased water use efficiency is shown as a dotted red line (not one of the 5 OC Study planning scenarios). Also shown for reference is the range of demand projections used by MET for its IRP, as shown by the yellow shaded area. Note that MET's IRP planning period ends in 2045, while the 2022 OC Study planning period ends in 2050.

- Scenario 1 (Warm/Wet climate) has the lowest MET water demand with a 2050 projection of 1.60 MAF.
- Scenarios 2 and 3 (Warm/Dry climate) has the highest MET water demand, with a 2050 projection of 1.85 MAF.
- Scenarios 4 and 5 (Hot/Dry climate) would have had the highest MET water demand, but with the assumed increased water use efficiency the 2050 projection is 1.72 MAF. Without the assumed increased water use efficiency, the demand under Hot/Dry climate would be 2.0 MAF in 2050.

OC Water Demand Forecast Ranges

The water demand forecast range for Orange County was based on CDM Smith's demand projections used for MWDOC's 2020 UWMP, with adjustments for climate change (see Figure 5).

Figure 5. Orange County Water Demand Forecast Range



As with the MET demand forecast, Scenarios 2 and 3 have the highest range of demands due to increased water use efficiency assumed for Scenarios 4 and 5. For reference the Hot/Dry climate water demand without the increased water use efficiency is shown as the dotted red line.

Supply Reliability Results

CDM Smith utilized the same modeling platform used for the previous 2018 OC Study, which first simulates MET water supply reliability to estimate available imported water for Orange County. Then Orange County water demands, and local supplies are simulated to estimate the overall supply reliability for three areas within Orange County: (1) OC Basin, (2) South Orange County, and (3) Brea/La Habra. The maximum water shortage and probability of any shortage occurring for MET's service area, and the three OC study areas are shown in Table 2; assuming no water use restrictions during severe droughts.

Table 2. Water Supply Reliability Results

Region	Max Shortage (TAF) in 2040*					Max Shortage (TAF) in 2050*				
	Sc 1	Sc 2	Sc 3	Sc 4	Sc 5	Sc 1	Sc 2	Sc 3	Sc 4	Sc 5
MET Service Area	0	543	310	852	387	80	1,200	900	1,400	1,100
OC Basin	0	76	38	130	54	8	158	74	167	132
South Orange County	0	31	17	48	20	2	57	37	64	49
Brea/La Habra	0	3	2	6	3	0	6	4	8	6

Region	Probability of Any Shortage (%) in 2040					Probability of Any Shortage (%) in 2050				
	Sc 1	Sc 2	Sc 3	Sc 4	Sc 5	Sc 1	Sc 2	Sc 3	Sc 4	Sc 5
MET Service Area	0	2	2	5	3	4	30	15	38	18
OC Basin	0	2	2	5	3	3	30	12	38	17
South Orange County	0	2	2	5	3	3	30	11	36	16
Brea/La Habra	0	2	2	5	3	3	30	12	37	17

Notes:

* Maximum water shortage **without demand restrictions**

TAF = thousand acre-feet

Comparison of MET and OC Study Planning Scenarios

MET's Phase 1 IRP Assessment indicated a maximum water shortage for MET service area of 1.2 MAF for its IRP Scenario D (higher demands with significant climate change) for the year 2045. This MET IRP scenario, is most comparable to the 2022 OC Study Scenario 4 indicating a maximum shortage of 1.4 MAF as shown in Table 2. However, it should be noted that the OC Study Scenario 4 differs from the MET IRP scenario in the following ways:

Variable	MET IRP Scenario D	2022 OC Study Scenario 4	Impact on MET Supply Shortage
Water Demand	Greater baseline demands	Lower baseline demands	Lower shortage for OC Study
Climate Change	Lower impact on local and imported supplies	Higher impact on local and imported supplies	Higher shortage for OC Study
New MET Supplies	No new MET supplies	MET Pure Water So. Cal, Colorado River transfers, and local storage	Lower shortage for OC Study

Impacts of Extreme Drought Related Demand Restrictions

Because it is very likely that during extreme droughts California and/or MET will impose mandatory water demand restrictions, the maximum water shortages for the OC study areas will be reduced. To illustrate the impact of these restrictions it was assumed that during these rare droughts (projected to occur about 1 to 3% of the time), demands were reduced by 20%. Table 3 shows the resulting maximum water shortage for Orange County under these drought demand restrictions.

Table 3. Maximum Shortage for Orange County with 20% Demand Restrictions

Region	Max Shortage (TAF) in 2040*					Max Shortage (TAF) in 2050*				
	Sc 1	Sc 2	Sc 3	Sc 4	Sc 5	Sc 1	Sc 2	Sc 3	Sc 4	Sc 5
OC Basin	0	0	0	46	0	0	74	0	79	44
South Orange County	0	4	0	21	0	0	29	9	36	21
Brea/La Habra	0	0	0	2	0	0	2	0	4	3

Notes:

* Maximum water shortage with 20% demand restrictions in place

TAF = thousand acre-feet

Next Steps

- Incorporate comments from today's P&O Committee meeting
- Meeting with MET staff to review any areas of concern
- Estimate the economic benefits of improving supply reliability from local water supply projects in Orange County
- Present findings to the MWDOC Member Agencies Managers Meeting to receive comments and input
- Complete a draft of the report by November 2022; include in the report specific findings regarding the supply reliability of the MET system over time with a projection of what is needed from the MET perspective to ensure a high level of reliability for Southern California. This information will be useful to our staff, Directors, MET Directors and Member Agencies for future decision-making. Issues at MET coming up within the next year where this information will be needed includes:
 - MET IRP Implementation Plan
 - Long range MET Finance Plan
 - Consideration of changes to MET's Rate structure
 - MET decisions regarding funding towards local projects (LRP Program)
 - MET's Pure Water Southern California Project (aka Carson Project)
 - MET's Capital Improvements for the SWP dependent areas



INFORMATION ITEM

September 6, 2022

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

FROM: Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: MWDOC LEGISLATIVE POLICY PRINCIPLES ANNUAL UPDATE

STAFF RECOMMENDATION

Staff recommends the committee review the policy principles and provide feedback to staff on any suggested or requested updates.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

MWDOC maintains a set of legislative policy principles that serve as guidelines for staff and our legislative advocates on issues that are of importance to the District. The policy principles here are a culmination of current policies and initial changes recommended by staff from all departments within the agency.

In addition, staff will begin soliciting input from the member agencies through the general managers and their legislative staff. MWDOC staff will coordinate feedback from the Board and any input received from the member agencies, as well as any additional input from MWDOC Department Managers, and bring the proposed Policy Principles to the Board for review at the October P&O committee meeting.

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

The focus of this month's item is for staff to receive input from the committee and update the policy principles to advance the Board's objective of establishing legislative and regulatory policy principles to help guide for both our federal and state legislative programs.

Attached: **Legislative Policy Principles**

Municipal Water District of Orange County **Legislative and Regulatory Policy Principles**

OVERALL POLICY

Legislation and regulations addressing water resource management issues should be guided by local and regional water resource officials with knowledge and experience in addressing opportunities, threats and needs for success within the water industry.

IMPORTED WATER SUPPLY

It is MWDOC's policy to support legislation, regulations and administrative actions that:

1) Facilitates the implementation of a Sacramento-San Joaquin Delta Improvement program, such as the Delta Conveyance Project that addresses the co-equal goals of reliable water supply and ecosystem restoration, and related policies that provide long term, comprehensive solutions for the San Francisco Bay/Sacramento-San Joaquin River Delta that:

- a) Improve the reliability and quality of water delivered through the Delta;
- b) Employ validated sound scientific research and evaluation to advance the co-equal goals of improved water supply and ecosystem health and sustainability.
- c) Expedite the completion of the State Water Project and EcoRestore initiative;
- d) Encourages regular infrastructure maintenance and upkeep of the levees.

2) Facilitates the resolution of supply conflicts on the Colorado River and protects California's rights to supply and storage in the negotiations of the 2026 management guidelines including actions that:

- a) Promote continued federal funding and coordination between states for the Colorado River Basin Salinity Control Program under the Federal Departments of Agriculture and Interior.
- b) Protect and preserve Metropolitan Water District of Southern California's interest in binational water conservation programs.
- c) Promote continued coordination between states for the Colorado River Basin Salinity Control Program, including work to secure funding for the continued

operation of USBR's Paradox Valley salinity control project to reduce salt loads to the Colorado River

- d) Resolve issues with the Salton Sea with key funding to be provided by the State and Federal sources.

3) Authorizes, appropriates, and expeditiously distributes the state and federal share of funding to improve the State Water Project and EcoRestore initiative.

4) Supports the completion of the Central Valley Project (CVP) which may include the construction of conveyance facilities in the Sacramento-San Joaquin Bay Delta and the raising of Shasta Dam.

LOCAL WATER RESOURCES

It is MWDOC's policy to support legislation and regulation that:

1) Supports the development of, provides funding for, and authorizes and/or facilitates the expanded use of, cost-effective, water recycling, potable reuse, conservation, water use efficiency, groundwater recovery and recharge, storage, brackish and ocean water desalination and surface water development projects where water supply quality and/or reliability is improved and the beneficiaries of the project pay for the portions of the project not funded by state or federal funds.

2) Reduces and/or streamlines regulatory burdens on augmented or alternative water supply projects, and provides protections for the use of these supplies during water supply shortages, through incentives, exemptions or provisions of credit during state mandated reductions.

3) Supports ecosystem restoration, increased stormwater capture where the capture avoids impact to others, and sediment management activities that are cost-effective and enhance the quality and/or reliability of water supplies.

4) Support the inclusion of environmental infrastructure projects the Army Corps of Engineers must consider in its Report to Congress.

5) Allows Investor Owned Utilities to invest in redundancy and reliability projects.

6) Encourages the State and Federal government to foster investments in water quality, storage, and/or reliability projects.

7) Recognizes that desalinated water, recycled water, and potable reuse are important components of water use efficiency and drought resiliency.

8) Promote science-based and peer-reviewed standards; take economic feasibility and impact into consideration, respect existing water rights, include reasonable time for implementation and compliance, and, be subject to Legislative oversight and review biennially.

9) Authorizes, promotes, and/or provides incentives for the development of extraordinary emergency water supplies for voluntary use by local water agencies during times of drought or water shortages.

10) Is inclusive of transparent collaboration techniques for legislation and regulation regarding water use efficiency.

WATER STORAGE

It is MWDOC's policy to support legislation and regulation that:

- 1) Supports “beneficiaries pay” for water storage that ensure full cost recovery.
- 2) Supports the siting and construction of surface storage in Southern California, which is sited to receive either State Water Project (SWP) or Colorado River Aqueduct (CRA) supplies.
- 3) Supports funding at the state and federal level for surface and groundwater storage, including reauthorization and expansion of the WIIN Water Storage Program and bifurcation of Surface and Groundwater Storage Funding at the state and federal levels.
- 4) Supports the development of both a state and federal funding program to provide funding for local and regional dam safety/improvement projects and programs to repair conveyance facilities that have been damaged due to subsidence.

WATER USE EFFICIENCY AND DISTRIBUTION SYSTEM WATER LOSS

It is MWDOC's policy to support legislation and regulation that:

- 1) Furthers increasing reasonable water use efficiency, throughout the state, and water conservation for local, regional, or statewide emergencies.
- 2) Would allow flexibility and fosters local and regional collaboration to develop and implement options for compliance in achieving statewide water reduction goals.
- 3) Seeks to cost-effectively improve water efficiency standards and policies for water-using devices such as, but not limited to, the EPA Water Sense Program and Cal Green Building Standards.
- 4) Reasonably improves Commercial, Institutional and Industrial (CII) water use efficiency programs while preserving community choice and the local economy.
- 5) Provides financially appropriate incentives, funding, and other assistance to facilitate market transformation and gain wider implementation of water-efficient indoor and outdoor technologies and practices.
- 6) Recognizes and protects past investments of agencies and customers in water use efficiency measures, especially from the demand hardening perspective.

7) Provides federal and state tax exemptions for water conservation or efficiency incentives for measures including, but not limited to, turf removal, devices, and other measures to reduce consumption of water or enhance the absorption and infiltration capacity of the landscape.

It is MWDOC's policy to oppose legislation or regulations that:

1) Places unreasonable conservation measures on residential, commercial, industrial and institutional customers that would negatively impact or limit the potential for economic growth.

2) Requires water efficiency standards or performance measures that are infeasible, not practical or fail to have a positive cost-benefit ratio when comparing the cost of meeting the standard or implementing the performance measure with the value of the volume of water saved.

WATER QUALITY AND ENVIRONMENTAL IMPACTS

It is MWDOC's policy to support:

1) Legislation that protects the quality of surface water and groundwater including salinity management and the reduction of salt loading to groundwater basins.

2) The establishment and/or implementation of standards for water-borne contaminants based on sound science and with consideration for cost-effectiveness.

3) A science-based regulatory process that has been established under the Safe Drinking Water Act and that considers feasibility, benefits and cost, is the best approach for any consideration and development of drinking water regulations to address any contaminant or family of contaminants, including per- and polyfluoroalkyl (PFAS).

4) The investment in the development of analytical methods to more reliably and accurately measure various contaminants, including PFAS, in drinking water.

5) Administrative/legislative actions to improve clarity and workability of CEQA, and eliminate other duplicative state processes.

6) Streamlining water, recycled and desalinated water, wastewater projects, and/or environmental restoration projects, from the California Environmental Quality Act (CEQA).

7) Provides liability protections to public water districts, and related wholesale water providers, seeking to consolidate with or serve as the administrator for troubled water systems that cannot consistently demonstrate that they are able to provide safe, clean and reliable water supplies to their customers.

8) State-funded groundwater basin contamination studies and associated economic or environmental impacts.

9) Supports the efforts of water industry to promote policies that enhance the pace and scale of headwaters and forest management, including improved planning, coordination, and implementation; increase financing, research, and resources to protect water supply and quality; bring management practices in line with modern challenges; and provide multiple benefits to the State's water users.

10) Support the eradication and prevention of invasive species from becoming established in or around water supplies.

11) Legislation and/or regulations that enforce against cannabis growers' water theft and/or negative impacts to water quality.

It is MWDOC's policy to oppose:

1) Legislation or regulation that would mandate an unscientifically supported federal or state maximum contaminant level, or mandating an artificial deadline for promulgating a maximum contaminant level for drinking water.

2) Legislation, regulation or other policy that would hold drinking water and wastewater facilities liable for PFAS contamination caused by third parties; or that does not clearly state that the party directly responsible for the PFAS pollution is solely liable for the costs associated with the contamination cleanup.

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

It is MWDOC's policy to oppose legislation or regulation that:

1) Compromises the existing governance structure and the representation of member agencies on the Metropolitan Water District Board of Directors.

2) Would restrict MET's rate-making ability.

WATER TRANSFERS

It is MWDOC's policy to support legislation and regulation that:

1) Encourages and facilitates voluntary water transfers, or streamlines the transfer approval process.

2) Provides appropriate protection or mitigation for impacts on the environment, aquifers, water-rights holders and third-parties to the transfer including those with interests in the facilities being used.

It is MWDOC's policy to oppose legislation or regulation that:

1) Undermines the operations and maintenance of the conveyance system conveying the water.

2) Interferes with the financial integrity of a water utility or compromises water quality and/or reliability.

WATER INFRASTRUCTURE FINANCING AND PROJECT FUNDING

It is MWDOC's policy to support legislation and regulation that:

- 1) Employs a "beneficiary pays" principle that establishes a clear nexus between the costs paid to the direct benefit received.
- 2) Reduces the cost of financing water infrastructure planning and construction, establishes grants or other funding and finance opportunities.
- 3) Considers local investments made in infrastructure, programs, mitigation and restoration in determining appropriate cost shares for water infrastructure, and project investments.

It is MWDOC's policy to oppose legislation or regulation that:

- 1) Establishes a fee or tax that does not result in a clear and proportional benefit to the District, its member agencies, and their customers.
- 2) Would reduce the total available water infrastructure financing measures such as WIFIA, state-revolving funds, and others.

ENERGY

It is MWDOC's policy to support legislation or regulation that:

- 1) Facilitates the development and expansion of clean, and cost-effective renewable energy in California, and recognizes hydroelectric power as a clean, renewable energy source and that its generation and use meets the greenhouse gas emission reduction compliance requirements called for in the Global Warming Solutions Act of 2006 (AB 32 and SB 100).
- 2) Facilitates voluntary and cost-effective local investments in renewable energy, energy management and storage, and energy efficiency which improve the water-energy nexus and reduce local agency costs.
- 3) Provides water agencies greater flexibility to run backup generators to support critical facilities during de-energization and PSPS events.

FISCAL POLICY

It is MWDOC's policy to support legislation or regulation that:

- 1) Allows retail water providers to voluntarily offer localized Water Rate Assistance Programs that comply with Proposition 218 of California's Constitution and/or are funded either voluntarily or via non-restricted/non-water-rates revenues.

2) Support Proposition 13 as embodied in Article XIII A of the California Constitution, and oppose the “split roll” efforts that would increase property taxes on businesses.

3) Changes how inverse condemnation liability is determined for water service providers in order to limit water agency liability for impacts of wildfire.

It is MWDOC's policy to oppose legislation or regulation that:

1) Is inconsistent with the District's current investment policies and practices.

2) Pre-empts the District's or its member agencies' ability to impose or change cost-of-service-based water rates, fees, or assessments, or requires them to submit their rates or charges to any state agency for approval.

3) Impairs the District's ability to maintain levels of reserve funds that it deems necessary and appropriate.

4) Makes any unilateral reallocation of District revenues, or those of its member agencies, by the state unless the state takes compensatory measures to restore those funds.

5) Mandates a specific rate structure for water agencies.

6) Imposes a “public goods charge” “water user fee”, or “water tax” on public water agencies or their ratepayers.

GOVERNANCE

It is MWDOC's policy to support legislation or regulation that:

1) Advances good government practices and public transparency measures in a manner that does not take a "one-size-fits-all" approach, respects local government control, and facilitates technological efficiencies to meet state reporting and disclosure requirements.

2) Supports or facilitates responsible programs, procedures, and methods that promote collaboration, transparency and open government.

It is MWDOC's policy to oppose legislation or regulation that:

1) Imposes unnecessarily broad burdens or new costs upon all local governments absent a clear and necessary benefit.

2) Reduces or diminishes the authority of the District to govern its affairs.

3) Resolves state budget shortfalls through shifts in the allocation of property tax revenue or through fees for which there is no direct nexus to benefits received.

PUBLIC EMPLOYEE PENSION REFORM

It is MWDOC's policy to support legislation that:

- 1) Seeks to contain public employee pension and other post-employment benefit (OPEB) cost obligations that are borne by public agencies via taxpayers and ratepayers.

EMERGENCY RESPONSE

It is MWDOC's policy to support legislation that:

- 1) Increases coordination on Homeland Security and emergency response efforts among the federal, state, and local governments with clearly defined roles and responsibilities for each.
- 2) Provides continued funding to enhance and maintain local Homeland Security infrastructure, including physical and cyber protection of critical infrastructure.
- 3) Ensures adequate funding for expenditures related to disaster response and all phases of emergency management; including the earthquake early notification system and efforts to enhance water infrastructure resiliency.
- 4) Strengthens intergovernmental planning and preparation coordination for emergency response and drills.
- 5) Enhances protection of information and cyber security for critical infrastructure through policy and funding for local efforts.
- 6) Supports water utility capability to notify customers of emergency protective measures through mass notification systems.
- 7) Properly recognizes water agencies' role in emergency response to wildfires and other natural disasters, where water service is needed or may be impacted, because water and wastewater services are essential public utilities that ensure public health and safety.



INFORMATION ITEM

September 5, 2022

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

FROM: Robert Hunter, General Manager

Staff Contact: Melissa Baum-Haley
Alex Heide

**SUBJECT: Metropolitan's Assessed Valuation for MWDOC and Orange County for
Fiscal Year 2022-23**

STAFF RECOMMENDATION

Staff recommends the Planning & Operations Committee receive and file the information provided below.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

This letter reports on Metropolitan Water District's certified assessed valuations for Fiscal Year (FY) 2022-23, as of August 16, 2022. The assessed valuation is used at Metropolitan to determine each member agency's percentage participation, vote, and director entitlement.

Metropolitan's certified assessed valuations for Metropolitan's six-county service area totaled \$3.62 trillion for FY 2022-23.

As of 2019, AB1220 (Garcia) added subsection (b) to Section 52 of the Metropolitan Act, which provides, "A member public agency shall not have fewer than the number of representatives the member public agency had as of January 1, 2019." Based on the assessed valuations for FY 2022-23 and pursuant to Section 52 of the Metropolitan Act, the

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

number of representatives for each agency remains the same, thereby Metropolitan's Board of Directors remains at 38.

For FY 2022-23, MWDOC will have a voting percentage of 16.80%, which is a decrease of -0.15% from last year. MWDOC's voting entitlement will be maintained at four seats on the Metropolitan Board of Directors.

MWDOC Assessed Valuation

MWDOC FY 2022-23 Assessed Valuation	\$611,405,145,478
Homeowners Property Exemptions	<u>-\$2,270,847,207</u>
MWDOC Certified Assessed Valuation	\$609,134,298,271
Change Compared to FY 2021-22	6.30%

MWDOC Voting Entitlement

MWDOC Voting Entitlement	60,913
Voting Percentage	16.80%
Change Compared to FY 2021-22	-0.15%
Number of Metropolitan Directors	4

Orange County AV & Voting Entitlement

FY2022-23 Certified Assessed Valuation	\$721,585,757,737
MWDOC	16.80%
Anaheim	1.55%
Santa Ana	0.89%
Fullerton	<u>0.66%</u>
O.C. Combined Voting Entitlement	19.90%
O.C. Metropolitan Directors	7

Attachment: Metropolitan staff letter on Item 5G: *Report on list of certified assessed valuations for fiscal year 2022/23 and tabulation of assessed valuations, percentage participation, and vote entitlement of member agencies as of August 16, 2022.*



- **Board of Directors**
Finance and Insurance Committee

8/16/2022 Board Meeting

5G

Subject

Report on list of certified assessed valuations for the fiscal year 2022/23 and tabulation of assessed valuations, percentage participation, and vote entitlement of member agencies as of August 16, 2022

Executive Summary

Every year, Metropolitan receives the certified assessed valuation from the county auditors for the six counties where Metropolitan provides water service. All county auditors have until the 15th day of August to provide the certified assessed valuation to Metropolitan, which is why Metropolitan's Board adjourns its August regular and committee meetings to the third week of the month. Metropolitan received the last of the counties' information for fiscal year (FY) 2022/23 on August 10, 2022.

Based on the information received, staff reports that certified assessed valuations for Metropolitan's six-county service area totaled \$3.62 trillion for FY 2022/23. The percentage participation and vote entitlement by member agencies as of August 16, 2022, have been updated accordingly and are reported in this letter and in **Attachment 1**. Assessed valuation is also used to determine how many representatives an agency has on the Metropolitan Board. Based on the assessed valuations for FY 2022/23, the number of representatives for each agency remains the same and is also reported in **Attachment 1**.

Details

Background

This letter reports the certified assessed valuations for FY 2022/23 and member agency percentage participation, vote, and director entitlement (**Attachment 1**), which become effective for all purposes at the August 16, 2022, Adjourned regular Board meeting.

As part of the Metropolitan Water District Act, the process of determining assessed valuation is made each August, based on submissions from the auditors of each of the six counties in the Metropolitan service area. Metropolitan uses a weighted voting system based on assessed valuation. Under Section 55 of the Metropolitan Water District Act, each member agency gets one vote for every \$10 million of assessed valuation of property taxable for Metropolitan's purposes. Under Section 52 of the Metropolitan Water District Act, assessed valuation is also used to determine how many representatives an agency has on the Metropolitan Board. Each member agency is entitled to one board member and may appoint an additional representative for each full 5 percent of Metropolitan's assessed valuation of taxable property that is within such member agency's service area. Following the passage of AB1220 (Garcia) in 2019, Section 52 also sets the minimum number of representatives for each member public agency as the amount they had as of January 1, 2019. The AB1220 minimum for representatives does not affect voting percentages set by Section 55. Based on the assessed valuations for FY 2022/23, neither the assessed valuations nor AB1220 affects the current number of directors of any member agencies.

The certificates of the county auditors for the six counties covering Metropolitan's area, certifying the FY 2022/23 assessed valuations of all property used for calculating Metropolitan's FY 2022/23 vote and director entitlement, are on file in the office of the Manager of Treasury and Debt.

The assessed valuations by the respective county auditors are as follows:

COUNTY	Net Assessed Valuations Taxable by Metropolitan
Los Angeles	\$ 1,760,089,344,907
Orange	721,585,757,737
Riverside	240,437,374,280
San Bernardino	146,634,414,955
San Diego	632,321,979,224
Ventura	123,683,835,701
Total Net A.V.s within MWD	\$ 3,624,752,706,804

A comparison of FY 2021/22 and FY 2022/23 assessed valuations and the percentage of change (**Attachment 2**) and a comparison of FY 2021/22 and FY 2022/23 vote entitlement and the percentage change (**Attachment 3**) are attached for your information.

Policy

Metropolitan Water District Act Section 52: Additional Directors

Metropolitan Water District Act Section 55: Voting by Board

Metropolitan Water District Act Section 305: Certification of Assessed Valuations; Segregation of Valuations

Fiscal Impact

None


 Katano Kasaine
 Assistant General Manager/
 Chief Financial Officer

8/12/2022

Date


 Adel Hagekhalil
 General Manager

8/12/2022

Date

Attachment 1 – Assessed Valuations, Percentage Participation, and Vote and Director Entitlement of Member Public Agencies as of August 16, 2022

Attachment 2 – Comparison of Assessed Valuations for the Fiscal Years 2021/22 and 2022/23

Attachment 3 – Comparison of Vote Entitlement Percentage for the Fiscal Years 2021/22 and 2022/23

**The Metropolitan Water District of Southern California
Assessed Valuations, Percentage Participation, and
Vote and Director Entitlement of Member Public Agencies
As of August 16, 2022**

<u>Member Agency</u>	<u>*Assessed Valuation Amount Certified</u>	<u>Percent of Total</u>	<u>** Vote Entitlement</u>	<u>*** Director Entitlement</u>
Anaheim	\$ 56,269,073,437	1.55%	5,627	1
Beverly Hills	42,674,597,044	1.18%	4,267	1
Burbank	28,930,674,618	0.80%	2,893	1
Calleguas MWD	123,683,835,701	3.41%	12,368	1
Central Basin MWD	182,159,170,598	5.03%	18,216	2
Compton	5,986,309,227	0.17%	599	1
Eastern MWD	105,024,028,930	2.90%	10,502	1
Foothill MWD	22,900,325,902	0.63%	2,290	1
Fullerton	23,900,520,075	0.66%	2,390	1
Glendale	38,135,312,336	1.05%	3,814	1
Inland Empire Utilities Agency	146,634,414,955	4.05%	14,663	1
Las Virgenes MWD	29,271,920,993	0.81%	2,927	1
Long Beach	61,510,103,081	1.70%	6,151	1
Los Angeles	756,988,951,892	20.88%	75,699	5
MWD of Orange County	609,134,298,271	16.80%	60,913	4
Pasadena	37,161,819,093	1.03%	3,716	1
San Diego County Water Authority	632,321,979,224	17.44%	63,232	4
San Fernando	2,381,877,804	0.07%	238	1
San Marino	7,698,613,665	0.21%	770	1
Santa Ana	32,281,865,954	0.89%	3,228	1
Santa Monica	46,186,316,289	1.27%	4,619	1
Three Valleys MWD	82,538,322,114	2.28%	8,254	1
Torrance	34,159,203,429	0.94%	3,416	1
Upper San Gabriel Valley MWD	126,877,023,875	3.50%	12,688	1
West Basin MWD	254,528,802,947	7.02%	25,453	2
Western MWD	135,413,345,350	3.74%	13,541	1
TOTAL ASSESSED VALUATIONS WITHIN METROPOLITAN	\$ 3,624,752,706,804	100%	362,474	38

Percentage may not foot due to rounding.

* The above valuations include only those which have been certified by the County Auditors, in accordance with Section 305 of the Metropolitan Water District Act, Statutes of 1969, as amended. The certified valuations have been reduced to reflect Homeowners' Property Exemptions and do not include areas excluded from Metropolitan.

** Each member of the Board shall be entitled to cast one vote for each ten million dollars (\$10,000,000) of assessed valuation of property taxable for district purposes, in accordance with Section 55 of the Metropolitan Water District Act.

*** In addition to one representative, pursuant to Section 52 of the MWD Act (Chapter 781, Stats. 1998), each member agency shall be entitled to one additional representative for each full five percent of the assessed valuation of property taxable for Metropolitan purposes. Pursuant to AB1220 (Garcia), a member public agency shall not have fewer than the number of representatives the member agency had as of January 1, 2019.

The Metropolitan Water District of Southern California
Comparison of Assessed Valuations for the Fiscal Years 2021/22 and 2022/23

Member Agency	FY 2021/22 Assessed Valuation	FY 2022/23 Assessed Valuation	Percentage Change
Los Angeles County:			
Beverly Hills	\$ 40,583,310,050	\$ 42,700,345,844	5.2%
Burbank	26,748,023,753	29,018,267,018	8.5%
Glendale	36,345,845,295	38,261,730,936	5.3%
Los Angeles	709,083,947,710	759,144,474,597	7.1%
Pasadena	35,335,259,765	37,278,306,093	5.5%
San Marino	7,320,492,821	7,717,477,265	5.4%
Santa Monica	43,587,383,363	46,248,133,289	6.1%
Long Beach	57,968,268,060	61,751,995,827	6.5%
Torrance	32,515,355,445	34,307,357,029	5.5%
Compton	5,582,500,327	6,034,980,333	8.1%
West Basin MWD	236,818,506,381	255,257,845,190	7.8%
Three Valleys MWD	78,005,973,833	83,007,878,409	6.4%
Foothill MWD	21,419,354,456	23,007,123,502	7.4%
Central Basin MWD	171,489,406,027	183,127,171,787	6.8%
Las Virgenes MWD	27,497,146,604	29,359,126,762	6.8%
Upper San Gabriel Valley MWD	120,106,352,506	127,553,559,528	6.2%
San Fernando	2,252,949,159	2,394,400,804	6.3%
Total Los Angeles County	1,652,660,075,555	1,766,170,174,213	6.9%
Orange County:			
Anaheim	52,973,363,369	56,471,013,637	6.6%
Santa Ana	30,488,478,855	32,419,528,654	6.3%
Fullerton	22,663,775,934	24,010,012,675	5.9%
MWD of Orange County	574,919,973,901	611,405,145,478	6.3%
Total Orange County	681,045,592,059	724,305,700,444	6.4%
Riverside County:			
Eastern MWD	95,577,833,354	105,674,646,026	10.6%
Western MWD	125,405,306,316	136,142,511,643	8.6%
Total Riverside County	220,983,139,670	241,817,157,669	9.4%
San Bernardino County:			
Inland Empire Utilities Agency	134,989,972,419	147,267,806,744	9.1%
San Diego County:			
San Diego County Water Authority	586,179,903,320	635,474,691,216	8.4%
Ventura County:			
Calleguas MWD	116,206,929,078	124,404,274,257	7.1%
Total Within Metropolitan	3,392,065,612,101	3,639,439,804,543	7.3%
Excluded Areas	80,568,829	83,588,799	3.7%
*Total Taxable by Metropolitan	\$ 3,392,146,180,930	\$ 3,639,523,393,342	7.3%

The Metropolitan Water District of Southern California
Comparison of Vote Entitlement Percentage for the Fiscal Years 2021/22 and 2022/23

Member Agency	FY 2021/22		FY 2022/23		Change	
	Vote Entitlement	Vote Entitlement Percentage	Vote Entitlement	Vote Entitlement Percentage	Vote Entitlement	Vote Entitlement Percentage
Anaheim	5,277	1.56%	5,627	1.55%	350	-0.01%
Beverly Hills	4,056	1.20%	4,267	1.18%	211	-0.02%
Burbank	2,666	0.79%	2,893	0.80%	227	0.01%
Calleguas MWD	11,552	3.42%	12,368	3.41%	816	-0.01%
Central Basin MWD	17,051	5.05%	18,216	5.03%	1,165	-0.02%
Compton	553	0.16%	599	0.17%	46	0.00%
Eastern MWD	9,492	2.81%	10,502	2.90%	1,010	0.09%
Foothill MWD	2,131	0.63%	2,290	0.63%	159	0.00%
Fullerton	2,255	0.67%	2,390	0.66%	135	-0.01%
Glendale	3,622	1.07%	3,814	1.05%	192	-0.02%
Inland Empire Utilities Agency	13,433	3.98%	14,663	4.05%	1,230	0.07%
Las Virgenes MWD	2,741	0.81%	2,927	0.81%	186	0.00%
Long Beach	5,772	1.71%	6,151	1.70%	379	-0.01%
Los Angeles	70,689	20.93%	75,699	20.88%	5,010	-0.05%
MWD of Orange County	57,264	16.96%	60,913	16.80%	3,649	-0.15%
Pasadena	3,522	1.04%	3,716	1.03%	194	-0.02%
San Diego County Water Authority	58,302	17.26%	63,232	17.44%	4,930	0.18%
San Fernando	224	0.07%	238	0.07%	14	0.00%
San Marino	730	0.22%	770	0.21%	40	0.00%
Santa Ana	3,035	0.90%	3,228	0.89%	193	-0.01%
Santa Monica	4,352	1.29%	4,619	1.27%	267	-0.01%
Three Valleys MWD	7,753	2.30%	8,254	2.28%	501	-0.02%
Torrance	3,237	0.96%	3,416	0.94%	179	-0.02%
Upper San Gabriel Valley MWD	11,942	3.54%	12,688	3.50%	746	-0.04%
West Basin MWD	23,608	6.99%	25,453	7.02%	1,845	0.03%
Western MWD	12,466	3.69%	13,541	3.74%	1,075	0.04%
Total	337,725	100%	362,474	100%	24,749	0.00%

Percentages may not foot due to rounding.



INFORMATION ITEM

September 6, 2022

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

FROM: Robert Hunter, General Manager

Staff Contact: Damon Micalizzi

SUBJECT: 2022 OC Water Summit

STAFF RECOMMENDATION

Staff recommends the Public Affairs & Legislation Committee: Receive and file the report.

COMMITTEE RECOMMENDATION

The committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

We are less than two weeks away from the 2022 OC Water Summit. The event '**California Dreamin' – Making Water Infrastructure A Reality**' will be held at Disney's Grand Californian Hotel on Friday, September 16, 2022.

Famed NBC Weatherman Fritz Coleman is back for a fifth consecutive time serving as Emcee. The program features sessions on Drought and the Colorado River, the Delta, and how to fast-track projects that have been in the works for decades. Featured Presenters include former Commissioner of the Bureau of Reclamation Brenda Burman, Director of the Department of Water Resources, Karla Nemeth, Assemblyman Devin Mathis, Dr. Jerry Meral, and Delta Watermaster Michael George.

At the time of this report, more than 300 people have registered to attend.

The OC Water Summit is produced in tandem with the Orange County Water District (OCWD). MWDOC is the lead agency for the 2022 event.

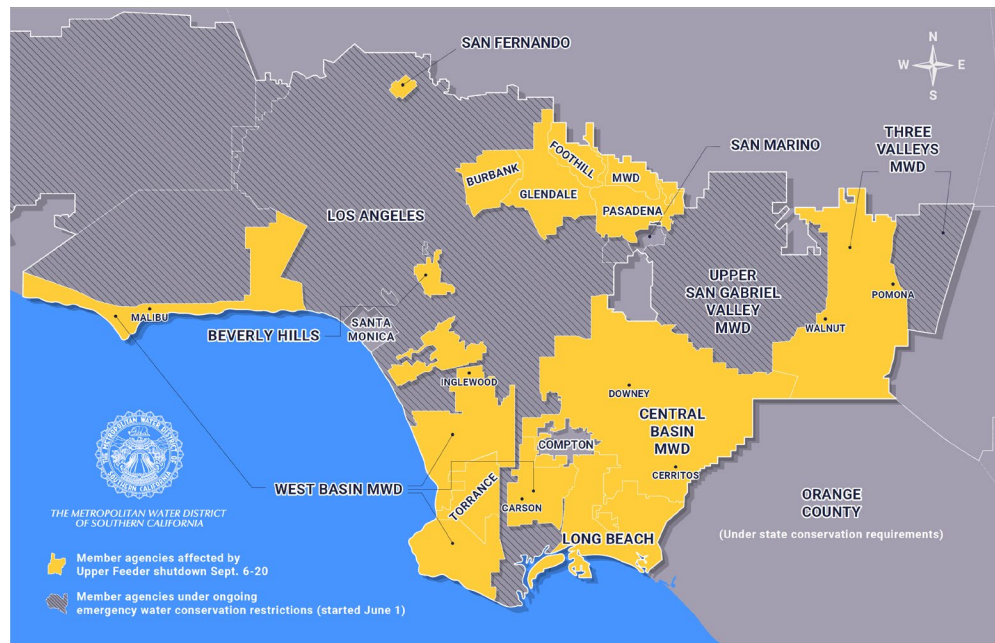
ENGINEERING & PLANNING	
Reliability Study Update	See write-up in this package
Water Use Efficiency Standards Analysis	<p>On May 2, 2022, the Board approved entering into an agreement with Water Systems Consulting (WSC) and sub-consultant M. Cubed to complete an economic analysis of proposed State water use efficiency standards. MWDOC has partnered with SMWD in funding this project. There are four main components of the scope of work:</p> <ol style="list-style-type: none"> 1. A customized version of the recently completed Urban Water Use Objective Analyzer (Model) developed by M. Cubed for the Department of Water Resources (DWR). M. Cubed will customize the Model to allow individual retail agencies to evaluate the impacts of the proposed standards on their operations and customers. 2. Evaluate the relative impact of the proposed standards on Disadvantaged Communities (DACs). 3. Evaluate compliance cost estimates for MWDOC retail water agencies with information on water service affordability. 4. Develop a web interface of the Model using a visual analytics platform (i.e. dashboard). <p>The updated Model has been completed.</p> <p>Initial findings of the analysis were presented to MWDOC's member agencies on August 9, 2022.</p> <p>Due to a scheduling conflict, the presentation of the study findings will be given at the September 14, 2022 A&F Committee meeting. A draft report will be included in the A&F packet.</p>
Doheny Ocean Desalination Project	<p>South Coast Water District (SCWD) continues to develop the Doheny Ocean Desalination Project. SCWD is currently working through multiple due diligence items to move the project forward including; permitting, plant sizing and siting, financing, and project delivery method. SCWD anticipates having all necessary permits by end of Summer 2022 and estimates an on-line date of 2026, if approved by the SCWD Board.</p> <p>SCWD held a Special Board Meeting on September 2, 2021 to discuss the financial implications of the project. Clean Energy Capital (CEC) presented a water cost analysis for the project where CEC presented cost projections for a 2 MGD project with an estimated 1st year water cost of \$1,928/AF in 2021\$, and a 5 MGD project with an estimated 1st year water cost of \$1,479/AF in 2021\$ (later updated to \$1,807/AF in 2027\$ vs \$1,545/AF MET Rate in 2027\$).</p> <p>On March 9, 2022 the San Diego Regional Water Quality Control Board approved the Tentative Orders related to the NPDES permits for discharge associated with operation of the Doheny Desalination Project. This is an important step forward toward realization of this project.</p>

	<p>On April 14, 2022, Dudek presented information to the SCWD Board on a conceptual study of Ocean Water Augmentation for the Doheny Desalination Project. The study considered utilizing Direct Potable Reuse (DPR) source water by two alternative methods from the JB Latham Wastewater Treatment Plant to augment raw ocean water supplies to the proposed Doheny Desalination Project. The proposed conceptual raw water augmentation could potentially become a future phase of the ocean desalination project, and was identified by the name: Doheny Ocean Pure Water Augmentation (DOPWA). This concept was based on the proposition that the challenges of ocean desalination and DPR could be offset by each other's advantages. The conceptual project proposes 5 MGD of product water from each source (recycled and ocean source water) to produce a combined total of 10 MGD of potable water. The report indicated that the gross cost of water in 2021 dollars for the DOPWA concept is similar in price to the cost of desalinated water from the Doheny Desalination Project as shown below.</p> <p style="text-align: right;">Gross Water Cost (without MET LRP incentive)</p> <ul style="list-style-type: none"> • 5 MGD Doheny Ocean Desalination Project \$2,081/AF • DOPWA Raw Water Augmentation \$2,227/AF • DOPWA Treated Water Augmentation \$1,954/AF <p>Further study is also needed to determine the impacts on ocean desalination brine mixing in the San Juan Creek Ocean Outfall from reduced wastewater discharges.</p> <p>SCWD anticipates Coastal Commission consideration of a Coastal Development Permit in October 2022.</p>
<p>East Orange County Feeder No. 2 (EOCF#2) Emergency Pilot Program</p>	<p>Staff and Means Consulting are working with Metropolitan (MET) on defining and phasing a scope of work for emergency pump-in of local water supplies into EOCF #2 under MET Admin Code 4519: Emergency Deliveries of Member Agency Water Supplies in Metropolitan's System. The program is intended to enhance water supply reliability in the event of a prolonged emergency. This is a multi-year effort. The intended outcome of this effort is the establishment of an emergency pump-in program for EOCF#2 as provided by MET Admin Code 4519 as well as a set of guidelines for MET member agencies to use to establish their own emergency pump-in programs. Hazen & Sawyer is also providing technical assistance for this effort.</p> <p>Staff have also been working with MET staff on a potential cost share for the project.</p> <p>Staff met with the Orange County EOCF #2 Joint Power Agreement members and capacity right holders to discuss the pilot project on March 31, 2022. Background information and key points/questions were presented to the group. A follow up meeting will be scheduled in late June once JPA members have had a chance to review the information, to discuss</p>

	<p>clarifications of key points and to determine how best to move forward with the Pilot Project.</p> <p>Staff met with Moulton Niguel WD and Orange County WD on May 16, 2022 to discuss the scope of work developed with MET. MNWD is currently reviewing the scope to see how their design efforts with the City Santa Ana will fit into the scope.</p>
San Juan Basin Authority	<p>The San Juan Basin Authority (SJBA) has been conducting a hydrogeology study of the San Juan Basin to better understand how groundwater flows through the lower portions of San Juan Basin under various conditions. How groundwater flows in the vicinity of Stonehill Drive is important due to potential impacts on pumping within the basin, and also may potentially influence pumping for the Doheny Desalination project.</p> <p>A technical review panel, consisting of three teams of hydrogeologists, have presented their preliminary findings at a special meeting on May 12, 2022. The presentation is available from the SJBA website: https://www.sjbauthority.com/meetings/meetings-2022.html (2022-05-12 SJBA Board Meeting TRP).</p> <p>The preliminary findings are:</p> <ol style="list-style-type: none"> 1. The Basin behaves like two separate areas or ‘buckets’ that are connected by bedrock ledge area in the vicinity of Stonehill Drive. The bedrock ledge operates similar to a spillway; which although not a boundary, does somewhat restrict flows under normal groundwater conditions. 2. Groundwater flows through the bedrock ledge area (spillway) are greatly restricted between the upper and lower portions of the basin when groundwater levels are low. This occurs during dry or excessive pumping periods. 3. Pumping on either side of the spillway (north or south) influences portions of the basin on the other side of the spillway. Without recharge and with continued pumping, groundwater levels at the divide could decline precipitously. 4. Saline intrusion in the basin result from seasonal or longer-term declines in freshwater recharge coupled with pumping. Pumping south of the spillway exacerbates saline intrusion more than pumping to the north. Pumping to the north contributes by restricting the flow of freshwater across the spillway. <p>The Technical Review Panel is recommending additional geologic and geophysical assessment of the spillway area. They area also recommending additional monitoring of groundwater levels and flow across the spillway. The August SJBA meeting has been cancelled and the next meeting is scheduled for September 28, 2022.</p>

Shutdowns	<p>Upper Feeder</p> <p>MET has sent notification of a pending emergency repair to the Upper Feeder at the Santa Ana River (which feeds the MET Weymouth Water Treatment Plant in La Verne). An expansion joint installed at the Santa Ana Bridge in 2018 developed a leak before Easter weekend in April 2022. Temporary repairs were made to keep the Upper Feeder in operation at reduced flows. After inspection in early June 2022, the leak had expanded, and MET declared an emergency on June 8, 2022.</p> <p>A replacement joint will be installed during a 14-day shutdown of the Upper Feeder from September 6-20, 2022. Weymouth will switch to 100% State Project Water during the shutdown. MET media messaging for the shutdown will be asking residents in the Weymouth service areas to voluntarily go to no outdoor watering to reduce demands on the system during the shutdown.</p> <p>OC agencies are supportive of demand curtailment efforts and have been asked to ‘do what they can’ to help to reduce demands on Diemer by switching to local supplies where possible. This will allow Diemer water to be extended as much as possible to Long Beach and other areas outside Orange County to reduce demands on Weymouth and Jensen; which will both be on State Water Project water during the shutdown. Information concerning the shutdown was passed along at the July and August MWDOC Member agencies meetings, and a special meeting was held on July 27, 2022 to explore ways OC agencies can reduce demands on the MET system. A follow up meeting with OC agencies and MET was held on August 3, 2022 where the operational needs of the</p>
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shutdown, conservation messaging and OC agencies' potential to reduce demand on the MET system was discussed.



Orange County Feeder

MET has approved the construction contract for the relining and replacement of valves in a section of the Orange County Feeder from the Willits Pressure Control Structure (north of South Coast Plaza) to Irvine Cross Feeder (south of UC Irvine).

This 9-month shutdown is scheduled to begin September 18, 2022 through June 16, 2023. MWDOC staff have been working with the affected agencies in preparation for this shutdown. Another coordination meeting has been scheduled for September 6, 2022.

Orange County Feeder Extension

MET is planning to reline the final 300-linear feet of the OC Feeder extension from the Irvine Cross Feeder to the terminus affecting the City of Newport Beach, IRWD and LBCWD following completion of the up gradient portion of the OC Feeder.

MET has proposed new shutdown dates of June 18, 2023 through July 14, 2023. LBCWD has raised concerns about the shutdown timing given recent fire events. MWDOC staff is currently working with LBCWD and MET to find a shutdown date that works for everyone.

Lake Mathews Facility Shutdown

Shutdown of the Lake Mathews Facility has been rescheduled for March 13-14, 2023. The following agencies will be affected during the shutdown: OCWD,

	<p>YLWD, Serrano WD, IRWD, TCWD, ETWD, SMWD, MNWD, and the City of San Clemente.</p> <p>Orange County Reservoir</p> <p>The decommissioning of the Orange County Reservoir has been rescheduled to March 20, 2023 through March 25, 2023. This work will affect the cities of Brea and La Habra.</p> <p>Diemer Water Treatment Plant</p> <p>MET is planning to repair a chlorine diffuser pipe at the Diemer WTP which will require a seven-day full-plant shutdown. A meeting was held on February 3, 2022 to inform MET of the agencies' local supply conditions for this calendar year. MET reported that the diffuser pipe was not an imminent failure issue. Shutdown dates for repair of the Diemer chlorine diffuser pipe are being reevaluated by MET staff at this time.</p> <p>Diemer also recently experienced a backwash valve failure in the filter backwash system. Two of 48 filters will remain out of service through the summer; slightly limiting Diemer's maximum flow capacity by 4% to 498 MGD.</p> <p>Allen-McColloch Pipeline</p> <p>MET has completed 50% of the preliminary design of the AMP Prestressed Concrete Cylinder Pipe (PCCP) rehabilitation and is expected to complete the design by 2023. Preliminary design work currently underway includes identifying priority reaches, developing access locations, conducting geotechnical assessments, modeling a surge analysis, conducting real property assessments, identify permitting requirements and development of a feeder isolation plan. A draft project schedule will be developed at the completion of preliminary design. Rehabilitation of individual reaches will be based on the ongoing condition assessments, priorities, and shutdown scheduling.</p> <p>MET plans to inspect additional PCCP sections of the AMP in FY 2023-24.</p> <p>MWDOC staff continue to lead working group meetings with the impacted AMP agencies to discuss options to reduce the number of shutdowns needed for the AMP PCCP rehabilitation project while also helping to increase reliability toward future MET shutdowns. Two potential sites have been identified for construction of a possible pump station to enhance the ability to accommodate longer shutdown durations for the rehabilitation project and provide continuing future long term reliability benefits for future MET shutdowns.</p> <p>MWDOC has formally proposed to MET staff a conceptual cost share savings incentive approach following well established public works contractor cost share incentive programs that would allow for a sharing of realized cost savings. Staff looks forward to MET's response.</p>
Meetings	

	MWDOC hosted a workshop on August 9, 2022 for member agencies on the economic analysis of Proposed Water Use Efficiency Standards.
	Charles Busslinger and Vicki Osborn met with El Toro Water District and consultant Brady and Associates on August 10, 2022 and August 23, 2022 to discuss progress on the design of the Emergency Operations Center and new ETWD warehouse.
	Charles Busslinger, Kevin Hostert and Chris Lingad met with CDR staff on August 10, 2022 to discuss updates to the OC water distribution and transmission main wall maps. New digital maps are now complete.
	Charles Busslinger, Melissa Baum-Haley, and Chris Lingad met with David Mitchell of M. Cubed on August 10, 2022 to discuss the Water Use Efficiency Analysis.
	Charles Busslinger attended the August 11, 2022 CDR Management Oversight Committee meeting.
	Charles Busslinger, Joe Berg, and Chris Lingad met with consultants WSC and M.Cubed on August 16, 2022 to discuss the Water Use Efficiency Analysis.
	Charles Busslinger participated in the August 16, 2022 South OC IRWM Ad Hoc meeting to review project submissions for Proposition 1 Round 2 grant funding.
	The MWDOC Engineering and Metropolitan and Water Issues Departments held a meeting with CDM Smith on August 17, 2022 to review the preliminary results of the OC Water Reliability Study Update.
	Charles Busslinger and Chris Lingad met with WSC staff on August 17, 2022 to discuss the progress of the Water Use Efficiency Analysis.
	Charles Busslinger met with El Toro Water District and consultant Brady and Associates on August 24, 2022 to discuss the design of the Emergency Operations Center and new ETWD warehouse
	Charles Busslinger attended the August 25, 2022 CalDesal Regulatory Committee meeting.
	Charles Busslinger and Chris Lingad attended the August 30, 2022 CDR Management Oversight Committee meeting.
	Charles Busslinger participated in the August 31, 2022 South OC IRWM Ad Hoc meeting to review project submissions for Proposition 1 Round 2 grant funding.

General Manager Report

WEROC Status Report

August 2022

COVID-19 (CORONA VIRUS) COORDINATION

As of 8/19, Orange County moved from the High Level to **Medium Level** rate of community spread.

As of 8/26

Orange County, California
[State Health Department](#)

COVID-19 Community Level ● Medium

Recommended actions based on current level

Stay [up to date](#) with COVID-19 vaccines. [Get tested](#) if you have symptoms. Wear a mask if you have symptoms, a positive test, or exposure to someone with COVID-19. Wear a mask on [public transportation](#). You may choose to wear a mask at any time as an additional precaution to protect yourself and others. If you are at [high risk for severe illness](#), consider wearing a mask indoors in public and taking [additional precautions](#).

Weekly Metrics Used to Determine the COVID-19 Community Level

Case Rate per 100,000 population	158.58
New COVID-19 admissions per 100,000 population	11
% Staffed inpatient beds in use by patients with confirmed COVID-19	5.1%

As of 8/12

Orange County, California
[State Health Department](#)

COVID-19 Community Level ● High

Recommended actions based on current level

Wear a mask indoors in public and on [public transportation](#). Stay [up to date](#) with COVID-19 vaccines. [Get tested](#) if you have symptoms. If you are at [high risk for severe illness](#), consider taking [additional precautions](#).

Weekly Metrics Used to Determine the COVID-19 Community Level

Case Rate per 100,000 population	208.58
New COVID-19 admissions per 100,000 population	13.9
% Staffed inpatient beds in use by patients with confirmed COVID-19	5.5%

Current Data as of 8/26

As of 7/26

Orange County, California
[State Health Department](#)

COVID-19 Community Level ● High

Recommended actions based on current level

Wear a mask indoors in public and on [public transportation](#). Stay [up to date](#) with COVID-19 vaccines. [Get tested](#) if you have symptoms. If you are at [high risk for severe illness](#), consider taking [additional precautions](#).

Weekly Metrics Used to Determine the COVID-19 Community Level

Case Rate per 100,000 population	319.05
New COVID-19 admissions per 100,000 population	15.7
% Staffed inpatient beds in use by patients with confirmed COVID-19	5.8%

Data from 8/12

Orange County, California
[State Health Department](#)

COVID-19 Community Level ● Medium

Recommended actions based on current level

Stay [up to date](#) with COVID-19 vaccines. [Get tested](#) if you have symptoms. Wear a mask if you have symptoms, a positive test, or exposure to someone with COVID-19. Wear a mask on [public transportation](#). You may choose to wear a mask at any time as an additional precaution to protect yourself and others. If you are at [high risk for severe illness](#), consider wearing a mask indoors in public and taking [additional precautions](#).

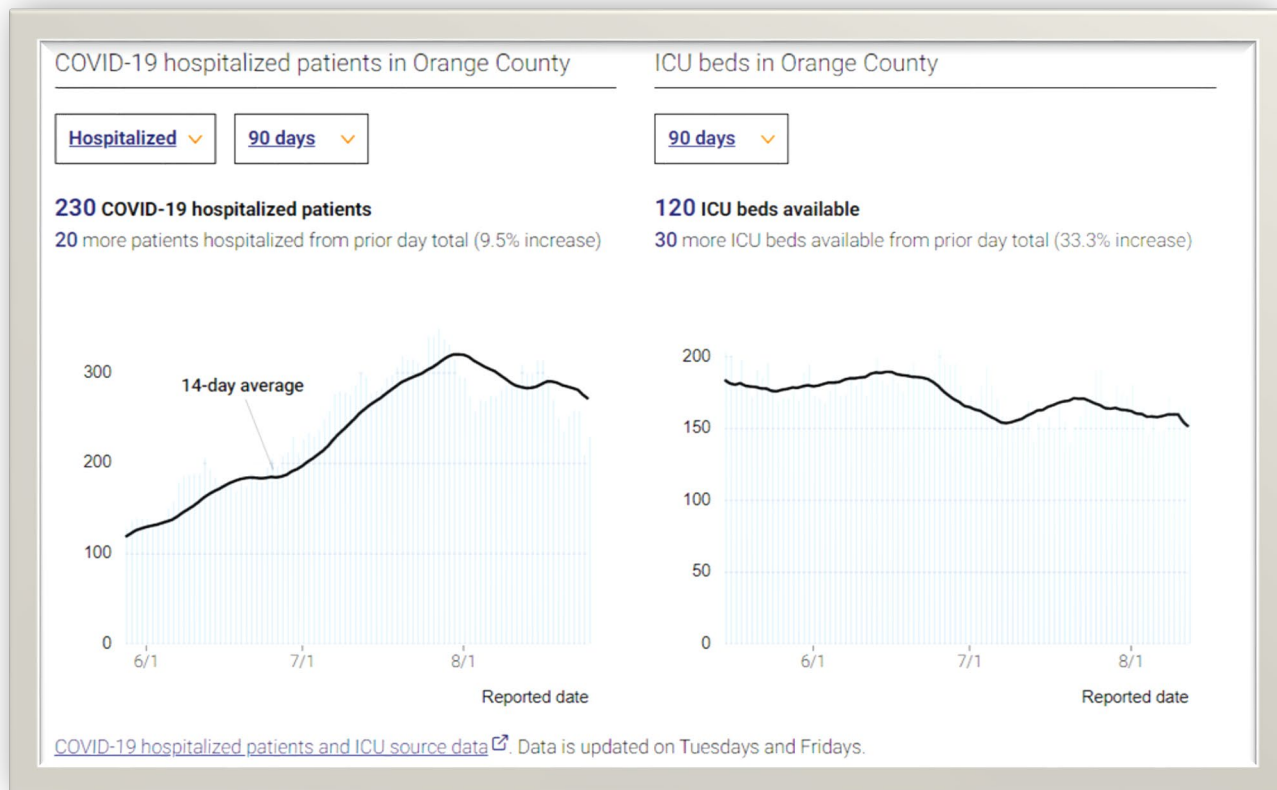
Weekly Metrics Used to Determine the COVID-19 Community Level

Case Rate per 100,000 population	280.44
New COVID-19 admissions per 100,000 population	8.3
% Staffed inpatient beds in use by patients with confirmed COVID-19	4.2%

- ** Note with many people continuing to use the at home testing kits, unless people are seeing their physician or self-reporting it is hard to say exactly how accurate these numbers are for cases per 100,000
- The key statistic to track continues to be the impact on our medical system and agencies reporting if they are having operational impacts due to employees out ill. The medical system:

- 8/29 230 Hospitalizations (3day average -6.7%)
36 ICU
- 8/11 291 Hospitalizations
44 ICU
- 7/21 351 Hospitalizations
35 ICU
- 7/14 277 Hospitalizations
35 ICU

**The Orange County healthcare system remains stable.



- Overall, this statement was in last months report and has not changed. While the severity of the current Omnicron Strains (BA1,BA2,BA4, and the latest BA5) are not

as severe for **MOST** people, this is creating a business continuity issue for many agencies with a recent increase COVID cases and people being out sick for days. With high levels of population immunity from both vaccination and infections, the risk of medically significant disease, hospitalization, and death from COVID-19 is greatly reduced for most people. [Some people and communities](#), such as our oldest citizens, people who are immunocompromised, and people with disabilities, are at higher risk for serious illness and face challenging decisions navigating a world with COVID-19.

People are getting COVID multiple times regardless of vaccination status from the current Omnicron variants.

- On 8/11/22, the CDC updated its COVID guidance. The CDC acknowledges the pandemic is not over, but also helps us move to a point where COVID-19 no longer disrupts our daily lives. ** Note the changes CDC has made aligns more with what California already has in place in regards to testing, and masking guidance in coordination with the CalOSHA ETS.

Among the biggest differences in the new recommendations:

- The CDC's COVID-19 prevention guidance will no longer differentiate by whether people are up-to-date on their vaccinations.
 - Testing to screen for COVID-19 will no longer be recommended in most places for people who do not have COVID symptoms.
 - The CDC says people who have tested positive for COVID-19 can stop wearing masks if their symptoms have improved and they test negative twice in a row — initially on the sixth day after their infection began, and then again on the eighth day.
 - And the CDC says that "to limit social and economic impacts, quarantine of exposed persons is no longer recommended, regardless of vaccination status."
- County of Orange Health Officer Order (Updated 8/19/22) – Nothing really changed just cleaned up language and links to clarify isolation language
 - WEROC continues to host monthly coordination calls with member agencies to provide updates regarding COVID and other items occurring in the OA.
 - CalOSHA Emergency Temporary Standards Update - On June 9,2022, the Division of Occupational Safety and Health (Cal/OSHA) posted the proposed non-emergency COVID-19 Prevention standards on its Cal/OSHA – Proposed Regulations webpage. The dates for the public hearing have not yet been set. WEROC will continue to track

and report out on the progression of the new standards. In reviewing the proposed language, the currently actions being administered by employers currently would be adopted for 2 years at a time. WEROC will provide more information as this changes.

- Remaining in effect is the California's State of Emergency for COVID-19, therefore the end date will be dependent on when the state feels the emergency is over. Based on a conversation with Dr. Chau on 8/10, the Governor intends to keep the California State of Emergency in place as long as the Federal Public Health Emergency Declaration remains. Discussions at the federal level indicate this will most likely be renewed in October will remain in place thru this winter. The County Proclamation will remain in place following the same pattern as the state. WEROC will continue to track this information
- AB 361 - Open meetings: state and local agencies: teleconferences.
For those agencies continuing to protect employees safety with the provisions of use of teleconference for Board Meetings the following is still effect for the requirements of AB 361
 - California State of Emergency is still active
 - As of the time of this report the County of Orange Health Officer Order remained unchanged even with the CDC changes, still including Vulnerable Populations and social distancing is still referenced in the Orange County Health Officer Order
- **For Vulnerable Populations.** *In general, the older a person is, the more health conditions a person has, and the more severe the conditions, the more important it is to take preventive measures for COVID-19 such as getting vaccinated, including boosters, social distancing and wearing a mask when around people who don't live in the same household, and practicing hand hygiene. For more information see <https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html>.*
- As of the time of this report, on 8/15 we have had three agencies request assistance with an additional procurement of tests. This is currently being coordinated and addressed with member agencies.

MonkeyPox Update

Current Situation in Orange County: (As of 8/29/22)

OC Health Care Agency - Monkeypox Situation Summary	
Total Cases	Hospitalizations - n (%)
143	3 (2%)

Compared to: (as of 7/26/2022) **No. of Confirmed and Probable Cases : 3**

AUGUST EVENT INCIDENTS/EVENTS (NON-COVID)

- Cyber Event - 1 Agency - Email Intrusion
- Water Line Break – 1 agency

Vicki can provide an additional oral update to WEROC activities specific to the event as required/requested.

Electrical Grid and Cal ISO Monitoring

As requested from the last Board meeting. Based on the summer outlook “2022 Summer Loads and Resources Assessment” Report and the adoption of the new Energy Emergency Alert (EEA) notification systems. Cal ISO issued one Flex Alert in the month of August and overall the electrical grid remained stable in a good position except for drought effects on hydro supplies.

As of the time of this report, a week long heat event is predicted for the beginning on August 30th and thru the first week of September. WEROC will be monitoring and coordinating information and actions with member agencies as required.

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

- On 8/2, Vicki attended the ISDOC Executive Committee Meeting
- On 8/2, Vicki and MNWD had a meeting with OCFA (see planning efforts below)
- On 8/2, Vicki conducted the Monthly WEROC Coordination calls with member agencies
- On 8/3, Vicki attended the National Special Districts Action Week Briefing
- On 8/3 Vicki attended the Upper Feeder Emergency Shutdown Briefing
- On 8/4, Vicki attended the monthly OCEDO meeting
- On 8/5, Vicki provided the WEROC update to WACO
- On 8/8, Vicki attended the CountyTsunami Working Group meeting.
- On 8/9, Vicki attended the CESA Legislative Working Group call
- On 8/10, Janine attended the UAWG quarterly meeting
- On 8/10, Vicki attended the OA Executive Board meeting as the W/WW Mutual Aid Coordinator representative.
- On 8/12, Vicki participated in the SDGE Exercise briefing
- On 8/15, Vicki participated in the SDGE PSPS Exercise
- On 8/15, Vicki attended the Diemer Plant Exercise Planning Team Meeting
- On 8/16, Vicki participated in the CalWarn Board meeting
- On 8/17, Vicki participates in he County Disease Outbreak Response Plan Revision Meeting
- On 9/17, Vicki participated in the Public Outreach for Filter Building Site Use Project/WEROC Emergency Operations Center
- On 8/18, Vicki participated in the MWDOC Managers Meeting
- On 8/24, Janine participated in the Operational Area Technology Subcommittee meeting.

PLANNING AND PROGRAM EFFORTS

AlertOC

Janine continues to work with of special district members agencies participating in the AlertOC program. At this time, approximately 86% of the staff who will have access to the system to send messages have received training.

Coastal Fire Reimbursement

Vicki continues to work with CalOES and FEMA on the FMAG for the Coastal Fire and trying to get the water used for the suppression a eligible claimable cost, based on changes to Prop 218 in relation to PUC 2713, AB 1432 and Governor EO N-10-19. As of the time of this report on 8/15, CalOES is only following PUC 2713, Vicki is putting together more information for the state and will advise on the progress or outcome.

Cyber Security

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

Vicki continues to follow up with agencies who have a cyber event and reminds all agencies she can assist with bringing in free DHS resources to assist with mitigating the issue.

EOC Readiness Documents and Planning

Vicki has updated the EOC Initial Activation/Startup Checklist for the EOC Manager and the overall EOC responder initial activity checklist. Vicki updated Facility Inspection EOC checklist

Training and Exercises

Vicki is offering a G775 EOC Operations and G191 ICS/EOC Interface Courses September 13-15th. MNWD is hosting the location for WEROC.

In partnership with MNWD, Vicki has scheduled a meeting with OCFA to discuss a training series for incoming fire candidates and OCFA engineers regarding water systems and how they work and information they need to understand. This was an outcome of the Coastal Hotwash and OCFA was very receptive. The first planning meeting for the concept with OCFA was held on 8/2 and an follow up meeting is being scheduled.

Vicki is collaborating with MET on an exercise to be held at Diemer in November. WEROC will be communicating with member agencies as part of establishing a communications and coordination drill as part of the exercise. This will establish a Multi Agency Coordination (MAC) Policy Group coordination call to share information and allow agencies who have not been impacted by recent real world event to see how this coronation will work.

Vicki participated in the SDG&E PSPS Exercise on 8/12 and 8/15 focusing on the communication and coordination piece and how WEROC procedures with this event can be strengthened.

WEROC Emergency Operations Center Project/Funding

Both Senator Feinstein and Senator Padilla summited the project for the FY23 appropriates directed funding. Unfortunately, the project did not make the final bill. In fact not many California Projects made the list.

Vicki will be presenting this item to the MWDOC Board at the September P&O Meeting on the status and next steps.

WEROC Personnel Update

The vacant WEROC Specialist Position recruitment closed on 7/22. Interviews were conducted in August and the New WEROC Specialist will begin in September.

Operational Area and Member Agency Plan Review/Working Groups

Vicki has reviewed and provided written changes or feedback to the following Annexes/Plans. These are currently being reviewed in working group meetings focusing on 1-2 chapters at a time:

- County of Orange - Yorba Linda Dam Emergency Response Plan
 - Orange County Operational Area – Disease Outbreak Annex
 - Orange County Operational Area – Recovery Annex
 - Operational Area Tsunami Annex
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**Status of Water Use Efficiency Projects
August 2022**

Description	Lead Agency	Status % Complete	Scheduled Completion or Renewal Date	Comments
SoCal WaterSmart Residential Indoor Rebate Program	MWDSC	Ongoing	Ongoing	In July 2022, 3 high efficiency clothes washers and no premium high efficiency toilets were installed in Orange County. To date, 126,457 high efficiency clothes washers and 60,851 high efficiency toilets have been installed through this program.
SoCal WaterSmart Commercial Rebate Program	MWDSC	Ongoing	Ongoing	In July 2022, 26 residential premium high efficiency toilets were installed in Orange County. To date, 111,823 commercial devices have been installed through this program.
Industrial Process/ Water Savings Incentive Program (WSIP)	MWDSC	Ongoing	Ongoing	This program is designed to improve water efficiency for commercial customers through upgraded equipment or services that do not qualify for standard rebates. Incentives are based on the amount of water customers save and allow customers to implement custom water-saving projects. Total water savings to date for the entire program is 1,291 AFY and 6,356 AF cumulatively.
Flow-Monitoring Device Rebate Program	MWDSC	Ongoing	Ongoing	In July 2022, no flow-monitoring devices were installed in Orange County. To date, 36 flow-monitoring devices have been installed through this program.
Smart Timer Rebate Program	MWDSC	Ongoing	Ongoing	In July 2022, no residential or commercial smart timers were installed in Orange County. To date, 33,160 smart timers have been installed through this program.

Description	Lead Agency	Status % Complete	Scheduled Completion or Renewal Date	Comments
Rotating Nozzles Rebate Program	MWDSC	Ongoing	Ongoing	In July 2022, no rotating nozzles were installed in Orange County. To date, 574,598 rotating nozzles have been installed through this program.
Rain Barrel Rebate Program	MWDSC	Ongoing	Ongoing	In July 2022, no rain barrels were installed in Orange County. To date, 8,679 rain barrels have been installed through this program.
Turf Removal Program	MWDOC	Ongoing	Ongoing	In July 2022, 19 rebates were paid, representing \$262,115 in rebates paid this month in Orange County. To date, the Turf Removal Program has removed approximately 24.5 million square feet of turf.
Spray to Drip Rebate Program	MWDOC	Ongoing	Ongoing	In July 2022, 2 rebates were paid, representing \$1,807.00 in rebates paid this month in Orange County. To date, the Spray to Drip Program has converted approximately 1.9 million square feet of standard spray irrigation to drip irrigation.
Recycled Water Retrofit Program	MWDSC	Ongoing	Ongoing	This program provides incentives to commercial sites for converting dedicated irrigation meters to recycled water. To date, 182 sites, irrigating a total of 1,672 acres of landscape, have been converted. The total potable water savings achieved by these projects is 3,687 AFY and 20,696 AF cumulatively.

Public & Governmental Affairs Activities Report
July 26, 2022 – August 30, 2022

Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> Added a board member of El Toro Water District to the interest list for inspection trips Designed and printed Fall Bill Inserts Met with the City of Westminster, Wyland Foundation, Saddleback College, about the Pocket Park progress and next steps <p>Government Affairs Staff:</p> <ul style="list-style-type: none"> Distributed the monthly grants tracking and acquisition report to member agencies Distributed information on the Urban Community Drought Relief grant program, which is currently soliciting feedback before guidelines will be finalized in late September
Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> Sent a box of promotional items to Niguel Hills Middle School Planned an activity and purchased materials for the 2022 Girl Scout's STEM Expo Met with Girl Scouts of Orange County to discuss the Water Resources and Conservation Patch Program Staffed a booth at the Festival of the Butterflies, saw around 550 community members and gave away almost 600 prizes Worked with Hashtag Pinpoint on a set of videos for the OC is Garden Smart series Prepared and sent a letter of support for the Wyland Foundation's Streams of Hope grant application to the National Endowment for the Arts <i>Speakers Bureau Presentation Drought and Water Issues Facing Orange County– Director Dick California State Retirees</i> <p>Government Affairs Staff:</p> <ul style="list-style-type: none"> Participated in the Solve the Water Crisis stakeholder working group Attended the ACWA Region 10 meeting at Olivenhain Municipal Water District Met with staff at Valley-Wide Recreation and Park District who is resurrecting the Riverside County CSDA Chapter, and provided them with various forms and feedback
Education	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> Presented MWDOC education updates at Metropolitan Water District of Southern California's (Metropolitan) Education Coordinator meeting Met with Metropolitan to discuss Water Energy Education Alliance (WEEA) workforce development initiatives Participated in the bi-weekly California Environmental Literacy Initiative's Green Careers Innovation Hub meeting

	<ul style="list-style-type: none"> • Participated in a statewide check in meeting with the California Municipal Utilities Association (CMUA) on a High Road Training Partnerships (H RTP) grant application. Provided partnership content to support the application. • Met with Latinos for Water regarding the CMUA H RTP grant application and partnership opportunities • Met with Ignited and San Mateo County Office of Education to discuss a H RTP grant application to introduce career exploration in middle and high schools – Orange County Department of Education is mirroring this grant structure • Met with Western Municipal Water District to discuss sponsorship of WEEA • Met with the Centers of Excellence for Labor Market Research (COE) to discuss the statewide water and wastewater survey progress through WEEA • Collaborated with the State Water Resources Control Board to distribute the WEEA/COE water and wastewater workforce needs assessment survey to water and wastewater agencies throughout the state • Prepared the WEEA year-end report and distributed to WEEA sponsors • Finalized two (2) promotional brochures that introduce water and energy careers to California middle and high school students • Provided information regarding MWDOC Choice School Programs to City of Santa Ana • Met with MWDOC 3-12 Choice School Programs contractor, Orange County Department of Education’s Inside the Outdoors, to discuss program progress and set goals for upcoming school year • Began meeting with Department of Water Resources and Orange County Department of Education’s Inside the Outdoors to plan the upcoming Water Education Committee meeting
Media Relations	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> • Prepared and distributed the August issue of MWDOC eCurrents Newsletter • Prepared and distributed content for social media • Prepared and submitted articles to Association of California Water Agencies News <ul style="list-style-type: none"> ○ https://www.acwa.com/news/mwdoc-offers-quick-video-tips-for-successful-water-smart-gardens/ • Distributed weekly news digests to MWDOC managers and Board • Promoted OC Water Summit on social media • Responded to various media inquiries

Special Projects	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in several OC Water Summit Planning committee meetings • Coordinated with Orange County Water District in the planning and producing of materials for OC Water Summit • Prepared and sent out second invite for OC Water Summit • Sent out sponsorship brochure for OC Water Summit • Coordinated registration and sponsorships for OC Water Summit • Created OC Water Summit signage • Responded to MWDOC department requests for website information and published website updates • Worked with Metropolitan on the inspection trip program • Participated in an inspection trip planning meeting for a shared State Water Project trip with Directors Ackerman and Hawkins • Attended the Upper Feeder Emergency Shutdown discussion with Metropolitan meeting • Participated in the Metropolitan Public Information Officers working group meeting <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Along with Tina Dubuque, staffed the ISDOC Quarterly Luncheon meeting, featuring speakers from OCIAC on cybersecurity. • Staffed the ISDOC Executive Committee meeting • Invited speakers for the September and October WACO meetings and answered related questions • Staffed the August WACO meeting, featuring speakers from Metropolitan Water District and Bard Water District on their seasonal fallowing program • Distributed an invitation to the OC Water Summit to all legislative offices in Orange County • Worked with Tina Dubuque to distribute the ISDOC Officer Election information for the 2023/2024 term, and answered various questions from members • Staffed the WACO Planning meeting • Attended the CSDA County Chapter Roundtable meeting • Began inviting speakers for the October ISDOC Quarterly Luncheon
Legislative Affairs	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in the ACWA SB 222 (Dodd) advocacy meeting • Attended the National Special Districts Association webinar • Participated in the ACWA Region 10 State Legislative Committee prep call • Participated in the ACWA Low Income Rate Assistance Program working group meeting • Attended the ACWA State Legislative Committee meeting • Met with the new governmental affairs manager at IEUA • Coordinated with staff at IRWD on a possible recycled water amendment to benefit water retailers in Orange County • Attended the OCBC virtual Federal Advocacy forum

	<ul style="list-style-type: none"> • Attended the CSDA Legislative Committee meeting • Attended the CSDA Annual Conference in Palm Desert and joined various breakout session on LAFCOs, the Brown Act, redistricting, and legislative updates • Worked with our Sacramento advocate on outreach to our delegation for SB 1157 (Hertzberg) • Attended the ACWA State Legislative Committee meeting • Sent a letter to Governor Newsom asking him to sign AB 2449 (Rubio) per the request of the bill's sponsor, Three Valleys Municipal Water District
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