

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

Jointly with the

**PLANNING & OPERATIONS COMMITTEE**

December 5, 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 Nederhood  
Director McVicker

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

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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>.

**PRESENTATION ITEMS**

1. DISTRIBUTION SYSTEM LEAK DETECTION PROGRESS REPORT
2. PRESENTATION/UPDATE REGARDING THE DOHENY DESALINATION PROJECT

**ACTION ITEMS**

3. EXTENSION OF FEDERAL LEGISLATIVE ADVOCACY CONTRACT WITH NATIONAL RESOURCE RESULTS (NRR)
4. EXTENSION OF STATE LEGISLATIVE ADVOCACY CONTRACT WITH BEST, BEST & KRIEGER

**DISCUSSION ITEMS**

5. 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.)

6. MWDOC'S COMMENT LETTER ON THE DELTA CONVEYANCE PROJECT DRAFT EIR
7. 2023 WATER POLICY FORUM & DINNER SCHEDULE
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.



## Water Savings and Cost Effectiveness of the Distribution System Leak Detection Program



Rachel Davis, Water Loss Control Programs Supervisor  
Municipal Water District of Orange County

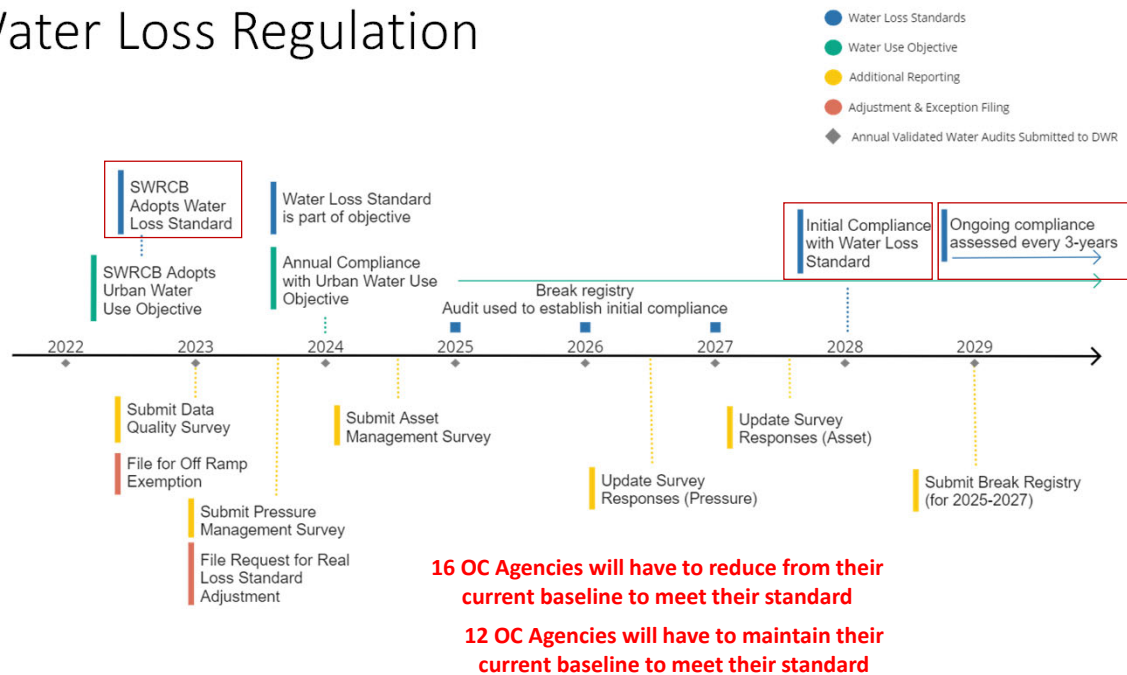
December 5, 2022

### Outline

- 01 Water Loss Standards  
Compliance Timeline
- 02 MWD OC Leak  
Detection Shared  
Service Program
- 03 Water Savings and  
Economic Analysis
- 04 Summary and Next  
Steps



## Water Loss Regulation



## MWDOC Leak Detection Program

- Established in late 2019
- MWDOC developed their own water loss department and hired/trained leak detection technicians to perform surveys
- Provides member agencies access to leak detection surveys at a reduced cost



# Leak Detection Equipment

## Listening Equipment

### Sewerin AquaTest T10



## Correlators

### Subsurface Noise Correlators



# Reporting

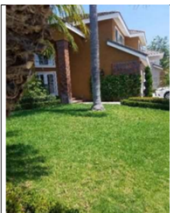
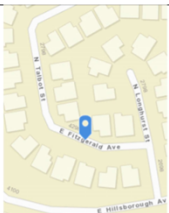
**LEAK REPORT** Report #: 1

Date: Apr 30, 2020

Survey ☒ Recheck ☐ Location Error ☐ Request ☐

LOCATION	LEAK SUSPECTED ON:	INDICATION OF LEAK:
Address: 4231 Fitzgerald	Leak Suspected On: Meter	Leak Indication: Sonic
Cross Street: Longhurst	Connection	
Coordinates: 33.6340181299994, -117.808671449998	Leak Heard From: AMS	

DETAILS	PRIORITY: 3
ESTIMATED GPM: 0.0635	
MEASURED GPM: 0.0554	
LEAK COVER: Meter Box	ACTION: Marked: Blue (Further Action)

Comments:

<b>Actions Taken:</b> Probed Area: No Surveyed Surface: No Pumped Out Meter Box: Yes Dug Out Meter: Yes	<b>Recommend Shutting Service Off at Corp Verify That Leak is on:</b> Service Line: No Retest: No Technician: J Thorpe
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**LEAK REPORT** Report #: 6

Date: May 15, 2020

Survey ☒ Recheck ☐ Location Error ☐ Request ☐

LOCATION	LEAK SUSPECTED ON:	INDICATION OF LEAK:
Address: 3205 Harbor	Leak Suspected On: Other	Leak Indication: Sonic, Visual Water
Cross Street: Normandy	Leak Heard From: Other	
Coordinates: 33.6825256999994, -117.819158899999		

DETAILS	PRIORITY: 3
ESTIMATED GPM: 0.0635	
MEASURED GPM: 0.106	
LEAK COVER: Box	ACTION: Unmarked (Comments)




Comments: Leak on backflow device in between Sonic Burger and Auto Zone.

<b>Actions Taken:</b> Probed Area: Surveyed Surface: No Pumped Out Meter Box: No Dug Out Meter: No	<b>Recommend Shutting Service Off at Corp Verify That Leak is on:</b> Service Line: No Retest: No Technician: J Thorpe
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## Research Questions

1. Is leak detection cost effective?
2. Is an incentive program effective & feasible?



## Data Collection

- Data collected from August 2019 to March 2022
- Two Phases of Data Collection
  - Leak Detection Data: Leak detection findings collected by MWDOC technicians
    - Key Fields Collected:
      - Estimated Flow Rate
      - Measured Flow Rate
      - Suspected Infrastructure Type
  - Repair Data: Confirmation of leaks and repair data collected by agency staff

**Leak Report**

Leak Suspected On: \*

Hydrant  
Main  
Meter Connection  
AMS  
Service  
Valve  
Other

Indication of Leak: \*

Corrosion  
Sonic  
Visual Water

Estimated GPM: \*

Leak Location:  
Please enter point on map where leak detected

33°45'N 118°17'W = 14.7 mi

Photo:  
Capture Photo/Browse to Photo 1

Note:  
Comments

Does this leak report supersede an original leak report? \*

Yes  
No

Reason for sup

**Leak Details**

Measured GPM:

Leak Heard On:

AMS  
Hydrant  
Valve  
Other

Priority:

1  
2  
3

Cover: \*

Asphalt  
Concrete  
Gravel

**FIELD DATA COLLECTION FORM**

**LEAK REPAIR**

Leak Address:

Leak on:  
☐ Main  
☐ Service  
☐ Meter

Job start time:

Service Material: ☐ Copper ☐ Plastic  
☐ Other:

Date of Repair:

Was a Contractor Used: ☐ Yes ☐ No

Comments

**Leak Report Number:** \_\_\_\_\_

Was a leak found: ☐ Yes ☐ No

Job Foreman/Supervisor:

Job end time:

Main Material: ☐ AC ☐ DI ☐ CI  
☐ Other:

Measured Leak Flow Rate (GPM):

Repair Method:



## Leak Detection Results Summary

- Total of 716 leaks identified during 25 surveys covering approximately 1,670 miles of main

Final Leak Location	Count
Agency Meter Connection	354
AMS	30
Customer Meter Connection	110
Customer Property	4
Hydrant	5
Main	9
Other	15
Service	184
Valve	5
<b>Total</b>	<b>716</b>



## Range Analysis

### Leaks at Agency Meter Connection

#### Count

Type	count
Total	354
Measured	253
Remaining	101

#### Range

Variable	min	mean	max
Measured GPM:	0.00	0.04	0.50
Total AF/Year	0.07	7.00	81.46
Total \$/Year*	\$72	\$7,731	\$89,928

**Use mean because sample size is large enough to represent average meter connection flow rate**

\* Valued at Met rate of \$1,104/AF



## Range Analysis

### Leaks at Service

#### Count

Type	count
Total	184
Measured	10
Remaining	174

#### Range

Variable	min	mean	max
Measured GPM	0.02	<b>0.56</b>	2.00
Total AF/Year	3.71	<b>104.25</b>	370.99
Total \$/Year	\$4,096	<b>\$115,091</b>	\$409,575

Large range. Flow rate in SWRCB model is 7 gpm.

**Use mean measured flow rate data as a conservative estimate.**



## Payback Period – Cost of Leak Detection Only

$$\text{Payback Period} = \frac{\text{Cost of Leak Detection}}{\text{Value of Water Saved}}$$

#### Volume and Value of Water Saved per Year

Final Leak Location	Count	Annual Volume Savings (AF/Year)	Annual Agency Savings (\$/Year)
Agency/Meter/Connection	354	27	\$29,854
AMS	30	1	\$1,552
Hydrant	5	0	\$401
Main	9	47	\$51,656
Other	15	1	\$570
Service	184	167	\$184,145
Valve	5	4	\$4,568
<b>Total</b>	<b>716</b>	<b>250</b>	<b>\$280,685</b>

#### Cost of Leak Detection

Variable	Value
Count of Surveys	25
Survey Miles	1668.5
Average Cost/Mile	\$314
<b>Total Cost</b>	<b>\$523,909</b>

$$\text{Payback Period} = \$523,909 / \$280,685 = 1.9 \text{ Years}$$



## Payback Period – Including Met Incentive

$$\text{Payback Period} = \frac{\text{Cost of Leak Detection}}{\text{Value of Water Saved}}$$

### Volume and Value of Water Saved per Year

Final Leak Location	Count	Annual Volume Savings (AF/Year)	Annual Agency Savings (\$/Year)
AgencyMeterConnection	354	27	\$29,854
AMS	30	1	\$1,552
Hydrant	5	0	\$401
Main	9	47	\$51,656
Other	15	1	\$570
Service	184	167	\$184,145
Valve	5	4	\$4,568
<b>Total</b>	<b>716</b>	<b>250</b>	<b>\$280,685</b>

### Cost of Leak Detection

Variable	Value
Count of Surveys	25
Survey Miles	1668.5
Average Cost/Mile	\$144
<b>Total Cost</b>	<b>\$240,264</b>

$$\text{Payback Period} = \$240,264 / \$280,685 = .85 \text{ Years}$$

## Payback Period - Cost of Leak Detection + Repair

$$\text{Payback Period} = \frac{\text{Cost of Leak Detection} + \text{Cost of Repair}}{\text{Value of Water Saved}}$$

### Cost of Repair

Final Leak Location	Count	Cost per Repair	Data Source	Total Repair Cost
Agency Meter Connection	354	\$150 mean repair data cost		\$53,100
AMS	30	\$200 mean repair data cost		\$6,000
Hydrant	5	\$500 estimate		\$2,500
Main	9	\$5,946 SWRCB model		\$53,514
Other	15	\$500 estimate		\$7,500
Service	184	\$2,330 SWRCB model		\$428,720
Valve	5	\$500 estimate		\$2,500
<b>Total</b>	<b>716</b>			<b>\$553,834</b>

### Cost of Leak Detection

Variable	Value
Count of Surveys	25
Survey Miles	1668.5
Average Cost/Mile*	\$314
<b>Total Cost</b>	<b>\$523,909</b>

$$\text{Payback Period} = (\$553,834 + \$523,909) / \$280,685 = 3.8 \text{ Years}$$

$$\text{Payback Period w/Met Incentive} = (\$553,834 + \$240,264) / \$280,685 = 2.8 \text{ Years}$$

## Water Saved per Mile Surveyed

### Calculation Method

Variable	Equation	Value
AF Saved (over lifetime of leak)	n/a	2,811
Miles Surveyed	n/a	1668.5
Total \$ Saved (at Met Conservation Rate)	AF Saved x \$195	\$548,145
\$/mile surveyed	Total \$ Saved/mile surveyed	\$329

### Final Results

	Met Leak Detection Rebate	MWDOC Leak Detection Valued using Met's Water Savings Incentive Program
\$/mile surveyed	\$170	\$329

## Summary

- **Reduced Cost:** Through the development of the Shared Services program, MWDOC has provided its member agencies access to leak detection at a reduced cost.
- **Cost-Effective for Member Agencies:** The results of MWDOC's leak detection of nearly 1,700 miles has shown that it is a cost-effective offering to participating member agencies.
- **Benefits of Leakage Reduction and Model Refinement:** Leak detection has enabled participating agencies to reduce their leakage while also obtaining valuable data to inform the SWRCB's water loss model (used to calculate a supplier-specific water loss standard).
- **Cost-Effective for Met Rebate Program:** Leak detection findings have shown that the reduction in leakage volume results in savings of \$329/mile (when valued using Met's water savings incentive conservation rate of \$195/AF), nearly two times the rebate offered by Met. Thus, the program has been beneficial and cost-effective to both participating agencies aiming to reduce their leakage and to Met's goal to address supply challenges via incentive programs.

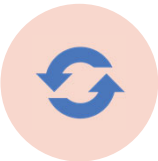
## Next Steps



Continue to perform leak detection and collect data to refine database and analysis



The largest uncertainty in the analysis are leak flow rates, especially for service and main leaks



Use leak detection survey results to assist MWDOC agencies with updating their water loss standard

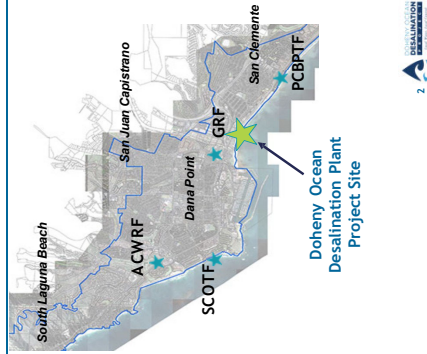


Continue to perform leak detection to assist MWDOC agencies meet their water loss targets

## South Coast Water District (SCWD)

**Water, Recycled Water,  
and Wastewater Public Agency  
serving:**

- South Laguna Beach
  - Dana Point
  - Portions of San Clemente
  - Portions of San Juan Capistrano
- 
- ▲ ~40,000 Residents
  - ▲ 1,000 Businesses
  - ▲ Over 2 Million visitors per year



**Project Update to MWDOC P&O Committee**  
**Doheny Ocean Desalination Project Overview**

**Rick Shintaku, General Manager**  
**South Coast Water District**

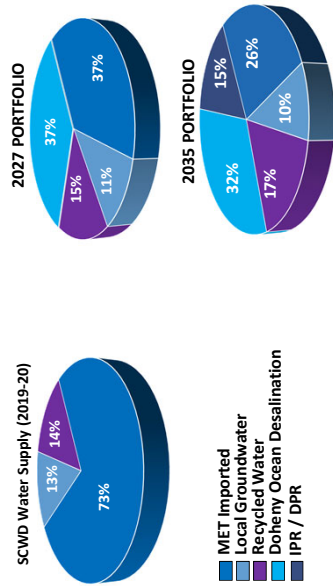
**December 5, 2022**

**DOHENY OCEAN  
 DESALINATION  
 PROJECT**  
*Lead: Water, Lead: Control.*  
 Sponsored by South Coast Water District



### Water Supply Portfolio

Doheny Project would provide up to 5 MGD

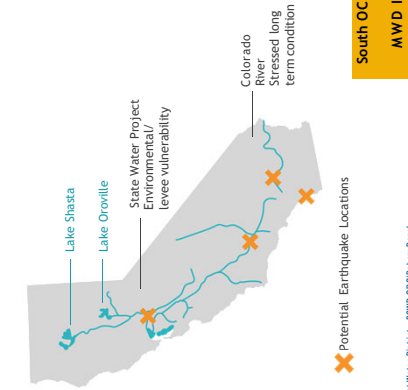


South Coast Water District - SCWD ORG/DohenyDesal



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### Water Reliability for Seismic Risks




South Coast Water District - SCWD ORG/DohenyDesal



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Doheny Ocean Desalination Project

Why Ocean Desalination?



- System and Supply Reliability - Drought and Earthquakes
- Drought Proof and Resilient to Climate Change
- Sustainable Local Water at a Reasonable Cost
- Up to 5 MGD of drinking water supplies
- Potential Long-Term Local and Regional Benefits

South Coast Water District - SCWD.ORG/DohenyDesal

DESALINATION PROJECTS

5

Project Cost

Grants Secured:

California Department of Water Resources  
Desalination Construction Grant

+

\$10M

US Bureau of Reclamation  
Water Infrastructure Improvement for the Nation (WIN) Act Grants  
(Sponsor: Congressman Levin)

+

\$20M

EPA Grant - Slant Well  
(Sponsor: Senator Padilla)

+

\$2.4M

SCWD will continue to pursue grants up to Federal Cap of \$30M

Capital Cost \$140 Million

Grants Received \$32.4 Million	Potential Grants -\$10 Million	\$97.6 Million
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South Coast Water District - SCWD.ORG/DohenyDesal

DESALINATION PROJECTS

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### Doheny Ocean Desalination Customer Survey

SCWD Customer Survey

- During pandemic & recession


Results:

- 74% favor Project after Description
- 80% favor Project after Education
- 72% favor Project after Critical Statements

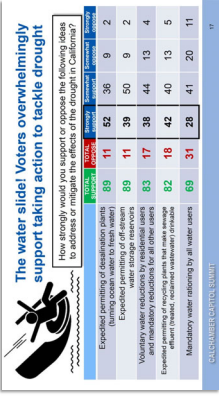
Statewide Survey among CA June primary likely voters

Results:

- 89% favor expedited permitting of desal plants



South Coast Water District  
Issue Survey



The water slide! Voters overwhelmingly support taking action to tackle drought

How strongly would you support or oppose the following ideas to address or mitigate the effects of the drought in California?

	Strongly Support	Support	Neutral	Oppose	Strongly Oppose	
Expedited permitting of desalination plants	89	11	62	36	9	2
Expedited permitting of off-stream water storage reservoirs	89	11	39	50	9	2
Voluntary water reduction and mandatory restrictions for all other users	83	17	38	44	13	4
Expedited siting and permitting of new water storage and treatment facilities	82	18	42	40	13	5
Mandatory water rationing by all water users	69	31	28	41	20	11

South Coast Water District - SCWD ORG/DohenyDesal

### Ratepayer Reception of Cost

Ratepayer Survey Findings

- 78% willing to pay \$5 more per month
- 76% willing to pay \$7 more per month
- 69% willing to pay \$10 more per month
- 63% willing to pay \$15 more per month

SCWD Residential Cost Comparison in First Full Year of Operation (FY 2026-2027)

	Residential Customer
5 MGD Project (2 MGD for SCWD; 3 MGD for partners)	
Monthly additional cost	\$2.38 (additional 2%)

Economies of scale beneficial for the region

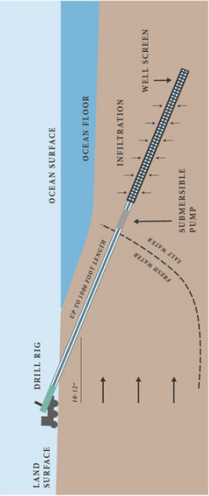
South Coast Water District - SCWD ORG/DohenyDesal



State Ocean Plan Preferred Methods: Subsurface Intake & Commingled Discharge

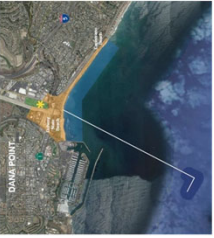
Subsurface Water Intake – Slant Well Technology

- Intake method preferred by regulators and Ocean Plan Desalination Amendment
- Wells draw ocean water from below the ocean floor
- Slant Wells fully buried at Doheny State Beach
- Submersible pumps reduce noise
- Subsurface intakes avoids all impacts to marine life



Commingled Discharge

- Brine diluted with treated wastewater through existing San Juan Creek Ocean Outfall more than two miles offshore
- Blended effluent would minimize impact on coastal and marine water quality



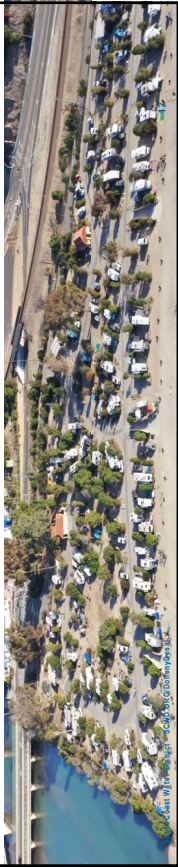
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DESALINATION

South Coast Water District - SOWD OREI Doheny Desal

Benefits of Modified Project - Doheny State Beach

- Collaborative effort - Align Project construction with State Parks DSB General Plan implementation
- Repair and restoration of DSB Campground:
  - New water sewer and electrical hookups
  - Improvements to pedestrian/bike access and circulation
  - Replace interpretive area, landscape, and restrooms



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Bi-partisan and Collaborative Support

Bi-partisan Elected Official Support

- US Senator Feinstein
- US Senator Padilla
- Congressman Mike Levin
- Congresswoman Michelle Steel
- CA State Senator Pat Bates
- CA State Senator Dave Min
- CA State Assemblymember Gottie Petrie-Norris (AB-1752)
- CA State Assemblymember Laurie Davies
- Supervisor Lisa Bartlett
- Bipartisan House and Senate - Appropriations Bill

Environmental and Regulatory Support

2020 WATER RESILIENCE PORTFOLIO

California Department of Water Resources Desalination Construction Grant

US Bureau of Reclamation Water Infrastructure Improvement for the Nation (WIIN) Act Grants (Sponsor: Congressman Levin)

EPA Grant – Slant Well (Sponsor: Senator Padilla)

State and Federal Grant Funding Support

\$10M

\$20M

\$2.4M

Community Support and Potential Partner Letters of Interest

CA State Parks

South Laguna Water & Sewer Advisory Committee

LA and OC Building and Construction Trades Council

HQAs: Cape Cove Harbor Creek Regatta

Cities of:

- Dana Point, Laguna Beach, San Juan Capistrano, San Clemente
- Neighboring Agencies & Utilities:
- Riverside County Water, LWD, RWD, BWS, ELA, LSWWD, MWD, Water, MWD, TCWD, SHWD, Rancho Water, Western, Letters of Interest
- City of San Clemente
- Laguna Beach County Water District
- Eastern Municipal Water District

South Coast Water District - SCWD.ORG/Desalination

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Anticipated Implementation Schedule

January 2021

January 2022

January 2023

Plant Online 2027

Alternative Power Supply Assessment

ERF/OCSEA Reclamation Concept Study

USGS Third Party Review of Groundwater Modeling

Financial Assessment and Rate Impact Analysis

Due Diligence Studies COMPLETE

Partnership Education

Permitting & Easements

Project Delivery: DBOM Contract Development & Award

Design/Construction/Performance Testing

State Lands Commission

South Coast Water District - SCWD.ORG/Desalination

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**ACTION ITEM**  
December 21, 2022

**TO: Board of Directors**

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

Robert Hunter  
General Manager

Staff Contact: Heather Baez

**SUBJECT: EXTENSION OF FEDERAL LEGISLATIVE ADVOCACY CONTRACT WITH  
NATURAL RESOURCE RESULTS (NRR)**

**STAFF RECOMMENDATION**

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Staff recommends the Board of Directors extend the federal advocacy contract with Natural Resource Results (NRR) for 2023.

**COMMITTEE RECOMMENDATION**

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Committee recommends (To be determined at Committee Meeting)

**REPORT**

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NRR is completing their second year providing federal legislative advocacy services to the Municipal Water District of Orange County. This contract was sent out for competitive bid in 2020 for a one-year contract beginning in 2021, with the option to renew annually for four additional years. This is the third year of the contract. Highlights from 2022, along with a

<b>Budgeted (Y/N): Y</b>	Budgeted amount: \$96,000 Calendar year expenditure, plus expenses	Core X	Choice ____
<b>Action item amount:</b> \$96,000; \$48,000 for FY 2021/2022 + expenses and \$48,000 for FY 2020/2021 + expenses		Line item: 31-7040	
<b>Fiscal Impact (explain if unbudgeted):</b>			



proposed scope of services, provided by NRR, on a separate memo, is included for your review, input and approval.

Please note, Legislative Advocacy contracts are on a calendar year basis, not fiscal year, so as not to interrupt services during a legislative session.

## **BOARD OPTIONS**

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### **Option #1**

- Renew NRR's contract for one additional year.

**Fiscal Impact:** \$96,000 + expenses (upon request and approval)

**Business Analysis:** NRR provides advocacy services for MWDOC in Washington D.C. They maintain relationships on our behalf with members of our congressional delegation, key committees, and regulatory agencies. They also ensure that we are kept up-to-date and informed on federal issues of importance to MWDOC and our member agencies.

### **Option #2**

- Do not renew the contract with NRR

**Fiscal Impact:** \$96,000 would be added to the general fund

**Business Analysis:** MWDOC would not have representation in Washington D.C. to advocate on federal issues of importance to MWDOC and its member agencies.

## **STAFF RECOMMENDATION**

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Option #1

# NATURAL RESOURCE RESULTS

**To:** Board of Directors, *Municipal Water District of Orange County*

**From:** Natural Resource Results

**Date:** 11/17/22

**RE:** Contract Extension and 2022 Strategic Planning

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Natural Resource Results (NRR) has had the pleasure of representing the Municipal Water District of Orange County (MWDOC) over the last year. NRR has helped advance MWDOC's policy priorities with the Biden Administration as well as with Congress. It is our sincere hope that MWDOC will approve a contract renewal with NRR under the same terms. As you will see below, 2022 was a successful year for much of MWDOC's federal agenda.

## **Review of 2022 Goals**

**2022 GOAL: Large-Scale Water Recycling Funding:** MWDOC should support Met in its effort to put large-scale water recycling funding on the ground. The Administration will have discretion as to how it allocates funding from this program in the infrastructure bill – MWDOC should work with Met to ensure the Bureau of Reclamation moves expeditiously to begin putting those funds to work.

- Continue to coordinate with Met staff on this project
- Work with Congressional delegation to show support for the project as necessary

**STATUS:** NRR has monitored implementation of the infrastructure bill and coordinated regularly with Met staff in DC to build the case for funding. Reclamation recently updated its guidance for Large-Scale Water Recycling Projects and is expected to make a Notice of Funding Opportunity (NOFO) in the very near future.

**2022 GOAL: WEROC Funding:** If funding is not provided to the WEROC EOC through the FY22 appropriations process, MWDOC should pursue funding in the FY23 appropriations process or through FEMA grant programs.

**STATUS:** Funding was not provided in the FY22 appropriations bill (calendar year 2021) leading us to seek funding again in the FY23 appropriations process (calendar year 2022). Congress developed a significantly more rigorous application process for EOC projects, and we were able to successfully clear that bar by demonstrating support for the project from the State of California. This led to both Senators Feinstein and Padilla making a funding request on MWDOC's behalf for the EOC. NRR continues to work with the California Senators to secure funding in the FY23 omnibus appropriations bill. NRR and MWDOC staff have held countless

meetings with CalOES, both California Senate offices, and Senate Appropriations Committee staff.

**GOAL: Western Water Legislation:** NRR expects Senator Feinstein to introduce legislation in 2022 to address the ongoing impacts of western drought. NRR will ensure that the legislation helps advance MWDOC priorities – for example, potential inclusion of funding that could be used to meet the habitat commitments under a future Voluntary Agreement.

- Engage with Senator Feinstein staff on bill development
- Ideally support the legislation once introduced and push for movement
- Submit testimony in support for a Congressional hearing once scheduled
- Work with House offices to gain support and traction in the House

**STATUS:** Senator Feinstein introduced the STREAM Act, a comprehensive drought bill, in May (MWDOC sent a letter of support in June). NRR worked closely with Senator Feinstein’s staff to ensure the legislation included several MWDOC priorities, including:

- Authorized funding for water recycling projects
- Authorized funding for surface and groundwater storage projects (Sites Reservoir is grandfathered in)
- Authorized funding for desalination projects
- Authorized funding for ecosystem restoration projects and provided authority for DOI to utilize alternative contracting mechanisms to improve project delivery
  - This funding authorization is intended to be used as a means to pay for some of the habitat restoration commitments that are expected to come out of the Voluntary Agreements

**Colorado River:** NRR will continue to raise the visibility of the salinity control program both at the state level and across the Basin. We will work with partners at the Bureau of Reclamation to make sure they are looking at alternatives to operation of the Paradox Valley Unit while it is offline. In addition, we will work with partners at Metropolitan Water District and the Colorado River Board of California on a lower basin strategy to address the worsening drought.

- Work with Met and Colorado River Board to advance changes to salinity program to make it more effective
- Engage Congressional delegation to support any related legislation that supports funding and/or policy changes
- Monitor discussions around 2026 guidelines and report back on progress

**STATUS:** With the recent passage of the Inflation Reduction Act, Congress took a big step towards addressing the situation on the Colorado River. NRR worked with other stakeholders in the water space to ensure that the massive climate bill included funding - \$4 billion to be exact – to address western drought, with a particular focus on the Colorado River Basin. Reclamation is currently accepting proposals from water providers in Arizona, Nevada and California that would reduce water use and create additional wet water in Lake Mead in exchange for compensation using the \$4 billion included in the legislation. NRR regularly coordinates with

Met DC staff on all things Colorado River. NRR is also in regular communication with the Commissioner on anything related to the Colorado River.

### **Looking Ahead – Goals for 2023**

While there are a number of 2022 goals that will continue to be in play during the remaining days of the 117<sup>th</sup> Congress, we offer the following items as an initial set of goals for 2023:

***Tax Parity for Water Conservation Rebates:*** We expect that Senator Feinstein and Congressman Huffman – the sponsors of this legislation – will make a push to pass this bill at the end of the 117<sup>th</sup> Congress but it faces an uphill climb. This means that we will need to work again in the 118<sup>th</sup> Congress and potentially use the current situation on the Colorado River as a driver to get members of Congress more engaged.

***Drought Legislation:*** We anticipate that there will be numerous drought bills in the 118<sup>th</sup> Congress that address CVP/SWP operations. NRR will ensure that MWDOC's interests are protected in these bills.

***Voluntary Agreements (VAs):*** Implementation of the VAs will require an act of Congress to give Reclamation authority to place a surcharge on CVP water to generate funding to implement that habitat and flow requirements in the VAs.

***Administrative Action:*** Monitor and report on agency actions related to the Colorado River drought and the 2026 guidelines. We will also continue to push Reclamation to use the recent influx of funding for critical programs and projects in the Colorado River Basin and California.



**ACTION ITEM**  
December 21, 2022

**TO: Board of Directors**

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

Robert Hunter  
General Manager

Staff Contact: Heather Baez

**SUBJECT: EXTENSION OF STATE LEGISLATIVE ADVOCACY CONTRACT WITH  
BEST, BEST & KRIEGER (BB&K)**

**STAFF RECOMMENDATION**

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Staff recommends the Board of Directors extend the state advocacy contract with Best, Best & Krieger (BB&K) for 2023.

**COMMITTEE RECOMMENDATION**

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Committee recommends (To be determined at Committee Meeting)

**REPORT**

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BB&K has provided state legislative advocacy services to the Municipal Water District of Orange County since 2016. This contract was sent out for competitive bid most recently in 2020 for a one-year contract beginning in 2021, with the option to renew annually for four additional years.

<b>Budgeted (Y/N): Y</b>	Budgeted amount: \$96,000 Calendar year expenditure, plus expenses	Core X	Choice ____
<b>Action item amount:</b> \$96,000; \$48,000 for FY 2021/2022 + expenses and \$48,000 for FY 2020/2021 + expenses		Line item: 31-7040	
<b>Fiscal Impact (explain if unbudgeted):</b>			

This is the third year of the contract. Highlights from 2022, along with a proposed scope of services, provided by BB&K, on a separate memo, is included for your review, input and approval.

Please note, Legislative Advocacy contracts are on a calendar year basis, not fiscal year, so as not to interrupt services during a legislative session.

## BOARD OPTIONS

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### Option #1

- Renew BB&K's contract for one additional year.

**Fiscal Impact:** \$96,000 + expenses (upon request and approval)

**Business Analysis:** BB&K provides advocacy services for MWDOC in Sacramento. They maintain relationships on our behalf with members of our state delegation, key committees, the administration, and regulatory agencies. They also ensure that we are kept up-to-date and informed on state issues of importance to MWDOC and our member agencies.

### Option #2

- Do not renew the contract with BB&K

**Fiscal Impact:** \$96,000 would be added to the general fund

**Business Analysis:** MWDOC would not have representation in Sacramento to advocate on state issues of importance to MWDOC and its member agencies.

## STAFF RECOMMENDATION

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Option #1



Indian Wells  
(760) 568-2611

Irvine  
(949) 263-2600

Los Angeles  
(213) 617-8100

Ontario  
(909) 989-8584



**BEST BEST & KRIEGER**  
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**Syrus Devers**  
(916) 329-3681  
Syrus.Devers@bbklaw.com

**MEMO**

TO: Municipal Water District of Orange County

FROM: Best Best & Krieger LLP

DATE: December 7, 2022

RE: Request for contract extension and strategic planning for 2023

**Introduction**

BB&K has been honored to represent MWDOC since 2015 and respectfully requests a one-year extension of its contract and the opportunity to continue advocating for MWDOC's interests in 2023. BB&K has represented MWDOC before the Legislature and the administration and worked to improve MWDOC's profile within the water industry.

**Highlights of 2022**

Successfully advocated for increased funding for recycling and water infrastructure: Along with ACWA and WateReuse, BB&K successfully advocated for dedicated funds to be earmarked for recycling and dam safety in the 2022-23 State Budget.

Lead opponent on SB 1157 (Hertzberg): Although SB 1157 was eventually signed into law, BB&K worked in a coalition that won amendments to the bill that will ensure the impacts of reduced indoor water use are studied prior to the implementation of the 2030 standards.

Finally passed the turf rebate bill: It has taken far longer than it should have, but rebates for turf removal will not be subject to state taxes thanks BB&K and MWDOC who worked with ACWA to successfully pass AB 2142 (Gabriel).

**Planning for 2023**

New member outreach: 34% of the Assembly and 25% of the Senate will be new members, including several new members in the Orange County Delegation. There will also be five new appointees to the Assembly Water, Parks & Wildlife Committee. BB&K and MWDOC staff will need to work diligently to schedule all the necessary meetings in the first quarter of 2023.



Low Income Rate Assistance (LIRA) and the anticipated return of the water tax: SB 222 (Dodd), which would have created a statewide LIRA program was vetoed, but the reason given in the Governor's veto message was a lack of an identified funding source. The issue remains politically very popular, and the veto message practically invites running the bill again and funding it with a water tax. BB&K was instrumental in defeating the water tax in 2018 and will again be in the forefront of the opposition should it come back.

Implementation of the Safe and Affordable Drinking Water Fund: Disadvantaged and noncompliant water districts will always be a politically popular issue, and rightfully so. To ensure the issue is addressed in the long term, the program must be implemented effectively and to that end a working group was formed by the administration. BB&K will continue to engage in that process to ensure the funds will be spent effectively.

Advocate for the Delta Conveyance Project: To the surprise of some water industry observers, the administration has diligently pursued progress on the Delta Conveyance and even seems to show some enthusiasm for it. The water industry advocates have not yet been called on to advocate for the project as it moves through the regulatory process, but opposition can arise at any time and from more than just the Legislature. BB&K will continue to monitor activity on the Delta Conveyance in the Capitol and across the relevant state agencies and engage whenever advocacy is needed to support the project.

### **Conclusion**

BB&K looks forward to appearing before the MWDOC Board in 2023 if that is the will of the Directors as it did continuously prior to the pandemic. While we are proud of the service we offered, we are confident that our performance will improve in 2023 and we look forward to a continuing productive relationship with MWDOC.

Thank you.

Syrus Devers  
Director of Governmental Affairs  
Best Best & Krieger LLP



**INFORMATION ITEM**

December 5, 2022

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

**FROM: Robert Hunter, General Manager**

Staff Contact: Melissa Baum-Haley

**SUBJECT: MWDOC'S COMMENT LETTER ON THE DELTA CONVEYANCE  
PROJECT DRAFT EIR**

**STAFF RECOMMENDATION**

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Staff recommends the Planning & Operations Committee receive and file this report.

**COMMITTEE RECOMMENDATION**

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Committee recommends (To be determined at Committee Meeting)

**REPORT**

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On July 27, 2022, the California Department of Water Resources (DWR) released the Draft Environmental Impact Report (EIR) for the Delta Conveyance Project. The Draft-EIR describes the project, project alternatives, environmental impacts, and mitigation measures to help avoid, minimize, or substantially lessen impacts. After requests from the Delta independent science board, and other stakeholders, DWR extended the comment period from October 27 to Friday, December 16, 2022.

**Draft Comment Letter**

Attached is a draft comment letter that has been prepared by MWDOC staff focusing on four main subject areas: (1) Support for the proposed "Bethany Reservoir" project alternative, (2) Continued support for California's water resiliency and adaptation to climate change, (3) Timeliness of the project, and (4) Overall Project need.

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

MWDOC's comments reflect an ongoing concern for the need to restore and protect the long-term reliability of California's water supplies. Highlighted by a future with increased water supply challenges exasperated by climate change. The Delta Conveyance Project would help stabilize and modernize the state's conveyance and distribution infrastructure to meet the challenges that the state is expected to experience within the next 50 years.

MWDOC's draft comment letter was provided to the member agencies as a template for their use in preparing comments to DWR on the Draft EIR.

### **Delta Conveyance Project Background and Summary**

**The Proposed Project:** Also referred to as the "Bethany Reservoir Alternative," the proposed project includes constructing:

- Two new 3,000 cubic feet per second (cfs) intake facilities in the north Delta to divert water, for a total capacity of 6,000 cfs
- One below ground tunnel to convey water from the new intakes following the Eastern Alignment, ending at the existing Bethany Reservoir on the California Aqueduct
- A new pumping plant that connects the tunnel directly to the Bethany Reservoir

The Draft-EIR also evaluates eight alternatives in addition to the proposed project and a no project alternative, which describes likely conditions if the Delta Conveyance Project is not implemented. To be evaluated in the Draft EIR, alternatives must be potentially feasible and meet most of the project's objectives and avoid or reduce potential significant environmental impacts of the proposed project.

**Action Alternatives:** Eight conveyance alternatives that include constructing:

- One, two or three new intakes in the north Delta
- Four capacity options ranging from 3,000 cfs to 7,500 cfs
- One new tunnel following the Central or Eastern Alignment
- New facilities in the south Delta at the Southern Complex near Clifton Court Forebay

**The No Project Alternative:** As required by CEQA, the No Project Alternative includes:

- Likely conditions if the project is not implemented, including reasonably foreseeable changes in existing conditions and potential alternate actions that may be taken absent a project, such as increased conservation, recycling and desalination. These alternative actions were screened out as standalone alternatives because they do not address the fundamental project purpose.

**Attachment:** The Municipal Water District of Orange County Draft Letter of Comments Regarding the Delta Conveyance Project Draft Environmental Impact Report



December 16, 2022

Submitted via email to [deltaconveyancecomments@water.ca.gov](mailto:deltaconveyancecomments@water.ca.gov)

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Karl Seckel, P.E.  
*Director*

Sat Tamaribuchi  
*Director*

Jeffery M. Thomas  
*Director*

Robert J. Hunter  
*General Manager*

#### MEMBER AGENCIES

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

Department of Water Resources  
Attention: Delta Conveyance Office  
P.O. Box 942836  
Sacramento, CA 94236-0001

**Subject:** The Municipal Water District of Orange County Letter of Comments Regarding the Delta Conveyance Project Draft Environmental Impact Report

To Whom It May Concern:

On behalf of the Municipal Water District of Orange County<sup>1</sup> (MWD OC), we would like to offer comments regarding the Delta Conveyance Project Draft Environmental Impact Report (Draft EIR). As a member agency of the Metropolitan Water District of Southern California (Metropolitan), MWD OC relies on the State Water Project (SWP) to deliver a portion of our water supply from Northern California through the Delta.

Our comments reflect our ongoing concern for the need to restore and protect the long-term reliability of California's water supplies, in an affordable manner, and thus the important role of the Delta Conveyance Project. Modernizing SWP infrastructure in the Delta is consistent with the state's Water Resilience Portfolio framework to address California's water challenges and support long-term water resilience and ecosystem health.

As stated within the Draft-EIR, MWD OC encourages state certification of the Draft Environmental Impact Report and the advancement of this essential project to:

- Address sea level rise or other consequences from climate change
- Minimize the potential for public health and safety impacts due to seismic risk
- Protect water supply reliability under varied hydrologic conditions
- Provide operational flexibility to improve aquatic conditions in the Delta

MWD OC has identified the following areas of significance that we would like to highlight in this letter:

### **Support of Proposed Project Alternative**

We support the proposed project, the Bethany Reservoir Alignment (Alternative 5), which extends the eastern corridor to the existing Bethany Reservoir and avoids development of a new forebay in the south Delta, as it will have less impact on agricultural land, cultural resources, and wetlands. Additionally, this alternative should

provide the same climate resiliency, seismic resiliency, and water supply reliability as the other 6,000 cfs alternatives that follow the central or eastern alignment evaluated in the Draft EIR, but will have fewer or substantially reduced environmental impacts.

### California's Water Resiliency & Climate Change

We fully support the separate and complementary efforts to prepare the Delta for our changing climate, particularly the ongoing climate change assessment process under way at the Delta Stewardship Council in conjunction with assistance from the Department of Water Resources.

The state water reliability strategy cannot be successful without the conveyance necessary to capture wet-period supplies. Continued development and investment in local water supplies and resiliency depends on high quality SWP water as a source for groundwater recharge, recycling, and water-quality blending requirements. Modernizing conveyance through the Delta, in combination with Metropolitan's and its member agencies' past and continued efforts, provides flexibility to deal with droughts and climate change, and guard against disruptions from earthquakes or levee failures in the Delta.

The Water Supply 2040 Analysis within the Draft-EIR shows that long term average total Delta exports which include both SWP and Central Valley Project (CVP) water exports, decline due to climate change even with the project. However, the Bethany Alternative lessens the decline in comparison to No Project.

Based on the Draft-EIR, potential changes to SWP/CVP water supplies in 2040 are variable compared to 2020 conditions. The overall trend in the deliveries that will be most affected by the project (i.e., total SWP/CVP south-of-Delta deliveries) is that projected increases in water supply deliveries would be less under 2040 conditions than increases projected under 2020 conditions. Additional changes that are expected would be in Article 21 deliveries, which occur when SWP San Luis Reservoir is full.

Additionally, long-term progressive risks of levee failures and diminishing operational efficiency and supply reliability from sea level rise and changes in Delta inflow hydrology are expected as a result of climate change. Continuation of existing management and operation of the Delta is expected to increasingly expose Delta water users and those that depend on water exported from the Delta to risks of water supply interruption and diminishing water supply reliability over time.

### Need for the project remains timely

The Delta Conveyance Project is an indispensable project and the environmental planning for such a project should not be based on political beliefs but on sound science, engineering and economics. With this in mind, we fully support the Newsom administration moving forward in the planning process in both a thorough and expeditious manner.

The SWP is California's primary water distribution system. It captures and transports water to communities throughout the state – providing an affordable source of high-quality, clean water for more than 27 million Californians. The infrastructure that protects, collects and moves water through the Delta to California homes, farms and businesses was constructed more than 50 years ago and is at ever-increasing risk of failure from climate change and sea level rise. The proposed Delta Conveyance Project is the right project at the right time to help ensure the SWP can continue to meet California's water needs into the future.



The DCP also addresses impacts to Delta communities. Having worked hard to avoid and reduce environmental and community impacts, today's proposed project is very different from the State's previous proposals. An extensive amount of design refinements has helped avoid or minimize local impacts, and the project includes a Community Benefits Program to ensure the communities most affected by construction of the project are provided the means and resources to also achieve local benefits. It is prudent and responsible to pursue the DCP now. We cannot afford to delay modernizing the SWP's Delta infrastructure – the cost of doing nothing could disrupt our state's primary water supply.

### Need for the project remains

The governor's Water Resilience Portfolio reflects both the need to make progress locally and with Delta infrastructure. Given how 27 million Californians get some or all of their water from the Delta, it is imperative to prepare this vital segment of our statewide water delivery system for the future.

Sincerely,



Robert J. Hunter  
General Manager

*<sup>1</sup>Municipal Water District of Orange County is a member of the Metropolitan Water District of Southern California, providing imported water to over 3.2 million Orange County residents through 28 retail water agencies. MWDOC is a wholesale water supplier and resource planning agency whose efforts focus on sound planning and appropriate investments in water supply development, water use efficiency, public information, legislative advocacy, water education and emergency preparedness.*



**INFORMATION ITEM**

December 5, 2022

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

**FROM: Robert Hunter, General Manager**

Staff Contact: Damon Micalizzi

**SUBJECT: 2023 Water Policy Forum & Dinner Schedule**

**STAFF RECOMMENDATION**

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

**COMMITTEE RECOMMENDATION**

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Committee recommends (To be determined at Committee Meeting)

**REPORT**

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Registration is open for MWDOC's upcoming Water Policy Forum & Dinner (Policy Dinner). The event will be held at the Westin Hotel in Costa Mesa on Thursday, February 9th. Adán Ortega, newly elected chairman of the board of directors of the Metropolitan Water District of Southern California, will be featured as the evening's keynote speaker.

The Policy Dinner schedule has yet to be finalized for 2023, as recent discussions of the OC Water Summit (Summit) Ad Hoc Committee point to a June 2023 Summit. If a June Summit is confirmed, MWDOC public affairs staff plans to host Policy Dinners in August-September and November-December 2023.

The next meeting of the Summit Ad Hoc Committee is Monday, December 20<sup>th</sup>. It is expected that a Summit date will be finalized at that meeting.

<b>ENGINEERING &amp; PLANNING</b>	
<b>Reliability Study Update</b>	<p>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). 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.</p> <p>Preliminary findings were presented at the September 2022 P&amp;O Committee. Additionally, forecast SWP supplies have been cross checked against forecasts in the Delta Conveyance Project Draft EIR.</p> <p>Staff have additionally been asked to investigate, and if possible, include likely benefits of Sites Reservoir on State Water Project supplies. Preliminary investigation of Sites Reservoir analysis indicate that the WEAP model used for the OC Study is not the appropriate model to analyze Sites Reservoir benefits to the SWP.</p> <p>Staff is working with MET staff to obtain CALSIM modeling results completed for the Sites Project Authority. Once these results are obtained they can be analyzed for inclusion in the OC Study.</p>
<b>Water Use Efficiency Standards Analysis</b>	<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"> <li>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 customized the Model to allow individual retail agencies to evaluate the impacts of the proposed standards on their operations and customers.</li> <li>2. Evaluate the relative impact of the proposed standards on Disadvantaged Communities (DACs).</li> <li>3. Evaluate compliance cost estimates for MWDOC retail water agencies with information on water service affordability.</li> <li>4. Develop a web interface of the Model using a visual analytics platform (i.e. dashboard).</li> </ol> <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. The study findings were presented at the September 14, 2022 A&amp;F Committee meeting where a draft report was also provided.</p> <p>Next steps include inclusion of feedback from the A&amp;F meeting, meeting with SMWD to address any final concerns, and completing the web interface portion</p>

	<p>of the project to allow agencies access to the customized Water Use Objective Analyzer for their own evaluation and planning efforts.</p>
<p><b>Doheny Ocean Desalination Project</b></p>	<p>South Coast Water District (SCWD) continues to develop the Doheny Ocean Desalination Project. SCWD 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.</p> <p>On October 13, 2022, the California Coastal Commission unanimously approved South Coast Water District's Coastal Development Permit to construct and operate up to a 5 MGD seawater desalination facility in Dana Point.</p> <p>On December 9, 2022, the California State Lands Commission (CSLC), will consider an Addendum to the Doheny Ocean Desalination Project Final Environmental Impact Report (EIR) along with the certified Final EIR. The EIR Addendum addresses a proposed CSLC lease for slant wells at Doheny State Beach (DSB). The new lease would allow for construction and long-term operation of up to five slant wells at DSB.</p>
<p><b>San Juan Basin Authority</b></p>	<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, presented their preliminary findings at a special meeting on May 12, 2022. The presentation is available from the SJBA website:  <a href="https://www.sjbauthority.com/meetings/meetings-2022.html">https://www.sjbauthority.com/meetings/meetings-2022.html</a> (2022-05-12 SJBA Board Meeting TRP).</p> <p>The preliminary findings are:</p> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>

	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol> <p>The Technical Review Panel is continuing additional geologic and geophysical assessment of the area; as well as additional monitoring of groundwater levels and flow across the spillway. The next SJBA meeting is scheduled for December 6, 2022.</p>
<b>Shutdowns</b>	<p><b>Orange County Feeder</b></p> <p>The purpose of the shutdown is to remove and dispose of the existing lining, reline the pipeline with cement mortar, weld straps, replace valves and install manholes on this 85+ year old pipeline from the Willits Street Pressure Control Structure (north of South Coast Plaza) to the Irvine Cross Feeder (south of UC Irvine).</p> <p>The Orange County Feeder shutdown began on September 18, 2022 and will continue through July 15, 2023. The shutdown schedule was revised to accommodate a requested schedule change for the Orange County Feeder Extension shutdown as described below.</p> <p><b>R6 Reservoir Rehabilitation</b></p> <p>El Toro WD is shutting down the 275 Million Gallon R6 Reservoir to replace the aging reservoir liner and cover. The reservoir will be offline from November 2022 through July 2023.</p> <p><b>Orange County Feeder Extension</b></p> <p>MET is preparing 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, Irvine Ranch WD, and Laguna Beach County WD.</p> <p>The shutdown will coincide with the above noted OC Feeder shutdown work between Willits PCS and the Irvine Cross Feeder from January 3 – 31, 2023. The Contractor will engage 4 separate work crews to complete the work.</p> <p><b>Lake Mathews Facility Shutdown</b></p> <p>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>

	<p>YLWD, Serrano WD, IRWD, TCWD, ETWD, SMWD, MNWD, and the City of San Clemente.</p> <p><b>Orange County Reservoir</b></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><b>Diemer Water Treatment Plant</b></p> <p>MET has rescheduled a 7-day shutdown of the Diemer WTP in order to repair a broken chlorine solution line to January 8-14, 2024. Finding a suitable window for this shutdown presented challenges due to numerous maintenance shutdowns by MET and retail agencies as well as fire danger concerns.</p> <p>Coinciding with the 7-day Diemer shutdown, the following pipelines will also be down for repairs:</p> <ul style="list-style-type: none"> <li>• Allen-McColloch Pipeline</li> <li>• East Orange County Feeder No.1</li> <li>• East Orange County Feeder No.2</li> <li>• Lower Feeder (Treated)</li> <li>• Lower Feeder (Untreated)</li> <li>• Second Lower Feeder (portions)</li> </ul>
<b>Meetings</b>	<p>Charles Busslinger attended the November 10, 2022 Center for Demographic Research (CDR) Management Oversight Committee meeting. OC San has indicated that they are not going to continue as a full sponsor for the upcoming 3-year CDR sponsorship cycle.</p> <p>The demographer function in OC originally was a County of Orange function that was cut after the County bankruptcy. CDR was formed through Cal State University - Fullerton to continue local control of OC demographic data that otherwise would fall to the Southern California Association of Governments (SCAG).</p> <p>From a budgetary standpoint, this places CDR in a somewhat similar situation that occurred in 1997 when OC Fire Authority (OCFA) pulled out of CDR sponsorship; resulting in MWDOC and OCWD joining as half sponsors to ensure that CDR could continue. CDR is currently working with OC San on alternatives. CDR provides important demographic and GIS support to MWDOC and a number of agencies in Orange County; as well as support for redistricting efforts.</p>
	<p>Charles Busslinger attended several meetings in November with El Toro Water District and design consultant Brady and Associates on development of the 95% Design plans and cost estimates for the Primary Emergency Operations Center. WEROC will be bringing more information to the Board next month.</p>

# General Managers Report

## WEROC Status Report

### November 2022

#### COVID-19 (CORONA VIRUS) COORDINATION

- Orange County remains in the **LOW LEVEL** rate of Community Spread

Current Data as of 11/25/22

Orange County, California

[State Health Department](#)

**COVID-19 Community Level** ● Low

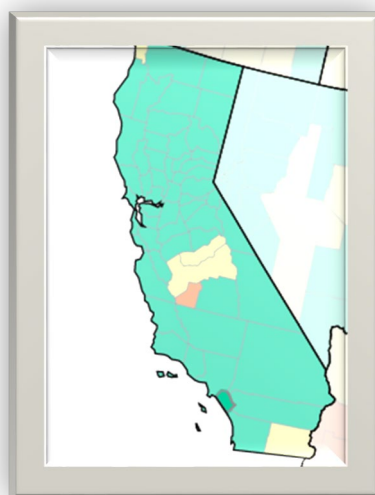
**Recommended actions based on current level**

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.

**Weekly Metrics Used to Determine the COVID-19 Community Level**

Case Rate per 100,000 population	68.52
New COVID-19 admissions per 100,000 population	9
% Staffed inpatient beds in use by patients with confirmed COVID-19	3.3%



#### FEDERAL PUBLIC HEALTH EMERGENCY

Remains in effect until January 11, 2023

#### CALIFORNIA STATE OF EMERGENCY UPDATE

Governor Newsom to end the COVID-19 State of Emergency February 28, 2023

#### 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 (9/23/22 no changes)

- WEROC continues to host monthly coordination calls with member agencies to provide updates regarding COVID and other items occurring in the OA.

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### **NOVEMBER INCIDENTS/EVENTS (NON-COVID)**

**\*\*The following event(s) in which WEROC provided information and/or coordination.**

- Weather Event/ Debris Flow Coordination Calls
- Supply Chain Impacts

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

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

- On 11/1, Vicki, Dave and Janine conducted the WEROC Quarterly Meeting with WEROC member agencies.
- On 11/1, Vicki attended the ISDOC Executive Committee Meeting and provided the OA update.
- On 11/1, Vicki conducted WEROC 101 course containing (see training section)
- On 11/3, Vicki, Dave and Janine attended the monthly Orange County Emergency Management Organization (OCEMO) Meeting,. Presentation was made by City of Fountain Valley Hazardous Material Incident Response which did include a water and waste water issue.
- On 11/7, Vicki was part of the Bond Fire Debris Flow Coordination meeting based on the weather coming in.
- On 11/7, Vicki provided assistance to the OC Courts in the area of Cyber Security planning for a tabletop discussion based exercise.
- On 11/7, Vicki attended the National Weather Service Webinar on the incoming atmospheric river forecasted storm.
- On 11/8, Dave participated in the Bond Fire Debris Flow Coordination meeting based on the weather coming in.
- On 11/9, Vicki attended the Quarterly Operational Area Executive Board and provided the OA Water and Wastewater Mutual Aid Report and the ISDOC report on behalf of Director Monin.
- On 11/15, Vicki attended the CalWarn Board meeting as the Region 1 Chair.
- On 11/15, Vicki represented CalWarn with the Vice president on a call with FEMA Region IX. FEMA is assisting Guam with establishing a Warn system in Guam and requested technical assistance from myself and Gary Sturvidian. An additional call has been scheduled for the end of November to assist.
- On 11/15, Vicki reviewed MWDOC cyber policies with the MWDOC HR Director and Finance Manager as part of the ongoing cyber planning for MWDOC.



- On 11/15, Vicki attended the National Weather Service call on the incoming Santa Ana wind event.
  - On 11/15, Vicki assisted OCWD with the completion of their NIMS compliance reporting.
  - On 11/16, Vicki attended the County Recovery Plan working group meeting as the representative for water and wastewater.
  - ON 11/16, Dave participated in the demonstration of a password solution – Last Pass.
  - On 11/17, WEROC participated in the Diemer Filtration Plant Exercise. More information below.
  - On 11/17, Vicki and Dave participated in the MWDOC Managers Meeting.
  - On 11/17, Vicki led the OCEMO leadership coordination meeting.
  - On 11/18, Vicki conducted the CESA State Board meeting as the State President.
  - On 11/22, Vicki participated in the CESA Emergency Management Certification Planning Meeting.
  - On 11/23, Dave attended the Operational Area Technology Subcommittee meeting.
  - On 11/29, Dave attended the OA WebEOC training session at the OA EOC.
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## **PLANNING AND PROGRAM EFFORTS**

### **AlertOC**

Janine continues to work with of special district member agencies participating in the AlertOC program. In November, Janine hosted an AlertOC training and we had over 20 participants.

Vicki and Janine have initiated conversation with the County on behalf of our water agencies looking to have a rider sub agreement to obtain additional services from Everbridge, which is the platform AlertOC uses. The County indicated they have initiated conversation and this will be an ongoing discussion, but most likely will not gain any traction til after the beginning of 2023.

### **Cyber Security**

WEROC continues to send out important information to the Cyber Security Distribution Group as received from DHS or the OCIAC. Dave has been assigned as the lead for cyber program coordination

### **National Incident Management System**

- Annual 2022 NIMS Implementation Assessment Survey was due November 18<sup>th</sup>.
- Vicki submitted on behalf of MWDOC
- Vicki assisted ETWD and OCWD with their submissions.
- As of the time of this report, 6 special district agencies advised of their successful submissions.

### **Orange County Fire Authority Project**

Vicki is working directly with Battalion Chief Shane Sherwood who has been reassigned to the OCFA Emergency Communication Center. Vicki will be meeting with the different shifts of dispatchers so they become more informed on WEROC, and the water agencies so we can support each other better.

### **Training and Exercises**

On 11/1, Vicki conducted a WEROC 101, Mutual Aid/Assistance Request and Resource Request Training (Paper & WebEOC). This training in a Hybrid format.

On 11/14, Vicki conducted an Agency Representative Training (AREP) ,in person training in the city of Yorba Linda as requested by the agencies.

On 11/10, Vicki conducted a virtual WEROC Recovery, Federal Disaster Programs (Public Assistance and FMAG) and Initial Damage Estimate (IDE) Introduction Training.

On 11/17, WEROC participated in the MET/Diemer Plant Exercise. WEROC met its objectives of communicating with member agencies as part of establishing a communications and coordination. Conducting one Multi-Agency Coordination (MAC) Policy Group coordination call to share information. WEROC identified some issues with communications with the MET Duty Officer in order to gain timely and accurate information. In the end, this exercise allowed for WEROC agencies who have not been impacted by recent real world event to see how this coordination will work.

### **WebEOC**

There was an issue with the process within the Logistics Resource Request section in which WEROC could not be selected by the member agencies. Because of this glitch, WEROC has been unable to use this system for smaller events. Janine has been working with the County on this issue for the past few weeks, and it has now been resolved.

### **WEROC Emergency Operations Center Project**

The 95% designs were received from the architect. The design phase will continue until completion. Vicki will present the update to the project at the January P&O Meeting.

There is no update for the December meeting since Vicki met with an agency regarding some use of space. As this agency looks at their space use for future planning, WEROC will continue to have discussion if this may be a viable alternative to the building of the WEROC EOC due to the funding discussions over the past few months.

### **WEROC Emergency Water Distribution Plan**

At the quarterly meeting, Vicki distributed a draft plan in which all the agencies can adopt and use for a tiered structure for distribution of water based on the severity of the event. Additionally planning meetings with agencies will occur in the beginning of 2023 so the regional WEROC plan can be drafted based on the identified gaps and capabilities provided by agencies.

### **WEROC EOC Readiness**

Dave has begun the heavy lift on redoing all the EOC position binders. The goal of this project is to make these binders as user friendly and intuitive as possible.

### **WEROC GIS Dashboard**

At the WEROC Quarterly Meeting and MWDOC Managers meetings, Dave led the discussion with the agencies on a dashboard being created so agencies will have access to different resources for both planning and response purposes. This dashboard will bring together different open source resources combined with water and wastewater information needs.

### **WEROC Planning Documents Updated in November**

- WEROC EOC organizational Chart
- WEROC EOC Planning “P” document
- WEROC Business Process Document for use in the EOC
- WEROC Heat Advisory SOP
- WEROC Position Activation Matrix bases on Activation Levels
- WEROC Emergency Action Plan(EAP)/Incident Action Plan (IAP)

### **WEROC Radio Systems**

Dave fixed the Operational Radio base station which had it main power supply burn out. Radio is now bad operational.

### **WEROC Quarterly Meeting**

Was held with member agencies on November 1st In person. Updates and planning included:

- Agenda included
  - Water Commodity Distribution Planning
  - Logistics Planning
  - Cyber
  - NIMS
  - Training and Exercise Plan Update
    - Monthly Tests
    - OA Exercise2023
  - GIS Solutions/Dashboard
  - Safety Center

- AlertOC
- OA Planning Efforts

### **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:

- Recovery
-

**Status of Water Use Efficiency Projects  
November 2022**

<b>Description</b>	<b>Lead Agency</b>	<b>Status % Complete</b>	<b>Scheduled Completion or Renewal Date</b>	<b>Comments</b>
<b>SoCal WaterSmart Residential Indoor Rebate Program</b>	MWDSC	Ongoing	Ongoing	In October 2022, 210 high efficiency clothes washers and 7 premium high efficiency toilets were installed in Orange County.  To date, 127,000 high efficiency clothes washers and 60,892 high efficiency toilets have been installed through this program.
<b>SoCal WaterSmart Commercial Rebate Program</b>	MWDSC	Ongoing	Ongoing	In October 2022, 41 commercial premium high efficiency toilets and 1 cooling tower conductivity controller were installed in Orange County.  To date, 112,783 commercial devices have been installed through this program.
<b>Flow-Monitoring Device Rebate Program</b>	MWDSC	Ongoing	Ongoing	In October 2022, 7 flow-monitoring devices were installed in Orange County.  To date, 49 flow-monitoring devices have been installed through this program.
<b>Smart Timer Rebate Program</b>	MWDSC	Ongoing	Ongoing	In October 2022, 190 residential and 13 commercial smart timers were installed in Orange County.  To date, 33,715 smart timers have been installed through this program.
<b>Rotating Nozzles Rebate Program</b>	MWDSC	Ongoing	Ongoing	In October 2022, 56 rotating nozzles were installed in Orange County.

<b>Description</b>	<b>Lead Agency</b>	<b>Status % Complete</b>	<b>Scheduled Completion or Renewal Date</b>	<b>Comments</b>
<b>Rotating Nozzles Rebate Program (cont.)</b>				To date, 574,857 rotating nozzles have been installed through this program.
<b>Rain Barrel Rebate Program</b>	MWDSC	Ongoing	Ongoing	In October 2022, 17 rain barrels were installed in Orange County.  To date, 8,705 rain barrels have been installed through this program.
<b>Turf Removal Program</b>	MWDOC	Ongoing	Ongoing	In October 2022, 47 rebates were paid, representing \$626,814.84 in rebates paid this month in Orange County.  To date, the Turf Removal Program has removed approximately 24.8 million square feet of turf.
<b>Spray to Drip Rebate Program</b>	MWDOC	Ongoing	Ongoing	In October 2022, 16 rebates were paid, representing \$63,831.24 in rebates paid this month in Orange County.  To date, the Spray to Drip Program has converted approximately 2.0 million square feet of standard spray irrigation to drip irrigation.
<b>Landscape Design and Landscape Maintenance Assistance Programs</b>	MWDOC	Ongoing	Ongoing	In October 2022, 22 landscape design packages and 7 landscape maintenance packages were delivered to MWDOC Turf Removal Program customers.  To date, 611 landscape design packages and 185 landscape maintenance packages have been delivered to MWDOC Turf Removal Program customers.

Description	Lead Agency	Status % Complete	Scheduled Completion or Renewal Date	Comments
<b>Industrial Process/ Water Savings Incentive Program (WSIP)</b>	MWDSC	Ongoing	Ongoing	<p>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.</p> <p>Total water savings to date for the entire program is 1,284 AFY and 6,362 AF cumulatively.</p>
<b>Recycled Water Retrofit Program</b>	MWDSC	Ongoing	Ongoing	<p>This program provides incentives to commercial sites for converting dedicated irrigation meters to recycled water.</p> <p>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 21,625 AF cumulatively.</p>
<b>Water Use Efficiency Standards (SB 606 and AB 1668)</b>	DWR/SWRCB	Ongoing	Ongoing	<p>On November 15, Melissa Baum-Haley and Joe Berg participated in a SWRCB board meeting, at which DWR presented its recommendations for outdoor water use efficiency. Melissa expressed concerns with the methodology used; she thinks irrigation efficiency is overstated and may not be achievable. She acknowledged that there are many efficiencies to be gained in outdoor water use; however, to increase efficiency to the degree required by these recommendations, it would take a change in plant palette, a change in irrigation devices and systems, and changes in management practices, all at the same time.</p> <p>Board staff responded that irrigation efficiency is included in one of the methodologies, but the Department of Water Resources used multiple methodologies in their analysis.</p>

Description	Lead Agency	Status % Complete	Scheduled Completion or Renewal Date	Comments
<b>Water Use Efficiency Standards (SB 606 and AB 1668) (cont.)</b>				Joe then added that MWDOC has numerous landscape efficiency programs. One of them is for smart-timers; however, despite their ongoing efforts since 2004, only 2.9% of the housing stock has them. MWDOC also has a robust turf removal rebate program and has removed over 25 million square feet of turf; a similarly small number of homeowners have taken advantage of it. Participation in the programs depends on whether the state is in a drought or not; demand is high during drought, but not so much during non-drought times. Joe sees the objectives as being really tough to meet. “We can offer these programs, but ultimately it takes the public to participate in them to achieve the savings.”



## Public &amp; Governmental Affairs Activities Report

November 8, 2022 – November 29, 2022

<b>Member Agency Relations</b>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Distributed winter bill inserts to participating member agencies</li> <li>• Gathered interest from MWDOC member agencies to host MWDOC Girl and Boy Scouts Program clinics in 2023</li> <li>• Shared Moulton Niguel Water District's promotional flyer for a Water Industry Career Expo at UCI</li> <li>• Requested project photos from member agencies to include in presentations and other promotional materials as needed</li> </ul> <p>Government Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Circulated the monthly Grants Tracking and Acquisition report to member agencies</li> <li>• Provided an update at the Member Agency Managers meeting on the Legislative and Regulatory Policy Principles</li> </ul>
<b>Community Relations</b>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Attended the UCI Water Works Career Fair</li> <li>• Delivered framed artwork to a MWDOC Water Awareness Poster Contest winner who could not attend the awards ceremony</li> <li>• Provided information on the MWDOC Girl and Boy Scouts program to Vallecitos Water District</li> <li>• Provided information on Metropolitan Water District of Southern California's Community Partnering Program to Orange County environmental education partners</li> <li>• Responded to a request from Toro Irrigation to draft an article for Landscape Architect magazine for the Westminster Pocket Park Project</li> </ul> <p>Government Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Attended the Orange County Public Affairs Association "Election Day Luncheon" (previously hosted by OCBC)</li> <li>• Attended the Special Districts of North Los Angeles County meeting and presented on the pros/cons of a county chapter collecting dues</li> <li>• Attended the ACC-OC Environment, Energy and Water Committee meeting</li> </ul>
<b>Education</b>	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> <li>• Participated in the monthly California Environmental Literacy Initiative's Green Careers Innovation Hub meeting</li> <li>• Ordered translations of Water Energy Education Alliance Water and Energy career brochures in multiple languages</li> <li>• Provided information regarding MWDOC K-12 Choice School Programs to City of Orange, City of Santa Ana, and South Coast Water District</li> <li>• Attended the third grade MWDOC Choice School Program session at Evans Elementary School</li> </ul>

	<ul style="list-style-type: none"> <li>• Provided a comment on the draft California State Plan for Career Technical Education emphasizing the importance of green career skills on behalf of the Water Energy Education Alliance</li> <li>• Met with Ignited to discuss a career exploration website for teachers and students</li> </ul>
<b>Media Relations</b>	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> <li>• Prepared and distributed content for social media</li> <li>• Distributed weekly news digests to MWDOC managers and Board</li> <li>• Distributed weekly Association of Metropolitan Water Agencies (AMWA) Monday briefings for member agencies</li> <li>• Prepared and submitted the following article to Association of California Water Agencies News: <a href="#">MWDOC Offers Hands-On Water Supply Activity for OC Girl Scouts - Association of California Water Agencies (acwa.com)</a></li> <li>• Responded to various media inquiries including: <a href="#">OC Register's Who's cracking down on 'water wasters' in Orange County?</a></li> </ul>
<b>Special Projects</b>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Responded to MWDOC department requests for website information and published website updates</li> <li>• Began planning the MWDOC Water Policy Forum &amp; Dinner on February 9, 2023, featuring Adán Ortega</li> <li>• Provided framed Proclamations for Metropolitan Water District of Southern California Director Stephen Arakawa and East Orange County Water District Director Richard Bell</li> <li>• Provided a framed Resolution for MWDOC Director Sat Tamaribuchi</li> <li>• Began coordinating a Colorado River Aqueduct inspection trip with Directors Erdman from MWDOC and Smith from San Diego County Water Authority</li> <li>• Prepared Memorandum of Understandings for Girl and Boy Scout programs</li> <li>• Provided an update to Water Energy Education Alliance (WEEA) sponsors, advisory members, participants, and partners that the Centers of Excellence for Labor Market Research (COE) statewide water and wastewater workforce needs assessment report initiated by WEEA would be delayed until February 2023 <ul style="list-style-type: none"> <li>○ Connected the State Water Resources Control Board (SWRCB) to the COE to use the data collected for the statewide survey for a SWRCB research project in the Central Valley</li> </ul> </li> </ul> <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Hosted the WACO Nominating Committee meeting to select the 2023/2024 WACO Chair and Vice Chair nominees</li> <li>• Worked with staff at Metropolitan to secure a speaker for the December WACO meeting</li> </ul>

	<ul style="list-style-type: none"> <li>• Participated in the MWDOC Ad-Hoc Committee to discuss the monthly Water Supply Report</li> <li>• Staffed the WACO Planning Committee meeting</li> <li>• Met with John Shamma of Metropolitan to discuss his presentation to WACO on earthquake preparedness</li> <li>• Drafted and submitted the required paperwork to ACWA for MWDOC to vote at their upcoming Annual Meeting at the Fall Conference</li> <li>• Updated the 2023 ISDOC and WACO meeting calendars for distribution</li> </ul>
<b>Legislative Affairs</b>	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Participated in the CMUA Annual Legislative Planning Committee meeting</li> <li>• Circulated the Board Approved Legislative and Regulatory Policy Principles to member agencies</li> <li>• Attended the ACWA/CMUA Water Affordability working group meeting</li> <li>• Met with NRR to discuss potential strategy for next year's Congressionally Directed Spending request for EOC funding</li> </ul>