

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

Jointly with the

**ADMINISTRATION & FINANCE COMMITTEE and
PLANNING & OPERATIONS COMMITTEE**

December 6, 2021, 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#

A&F Committee:

Director McVicker, Chair
Director Dick
Director Thomas

Staff: R. Hunter, J. Berg, H. Chumpitazi,
H. De La Torre, K. Davanaugh, C. Harris,
C. Busslinger, H. Baez, V. Osborn,
T. Dubuque, D. Micalizzi, T. Baca

P&OF Committee:

Director Yoo Schneider, Chair
Director Seckel
Director Nederhood

Ex Officio Member: Director Tamaribuchi

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>.

BOARD ACTION ITEM (The MWDOC Board will convene as a full Board and may take action as a Board on the following item):

PUBLIC HEARING

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

Recommendation: (1) Open the Public Hearing regarding MWDOC's division boundary adjustments to receive input from the public; (2) Receive and file presentation from Center for Demographic Research; (3) Receive comments from the public; (4) Discuss and provide input to staff on adjustments to division boundaries and Board considerations; and (5) Close Public Hearing.

ADMINISTRATION & FINANCE COMMITTEE ITEMS

PROPOSED BOARD CONSENT CALENDAR ITEMS

2. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – November 2021
 - b. Disbursement Approval Report for the month of December 2021
 - c. Disbursement Ratification Report for the month of November 2021
 - d. GM Approved Disbursement Report for the month of November 2021
 - e. Consolidated Summary of Cash and Investment – October 2021
 - f. OPEB and Pension Trust Fund monthly statement
3. FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the Period Ending October 31, 2021

ACTION ITEMS

4. AUTHORIZE CONTRACT REGARDING IT NETWORK AND SECURITY CONTROL ASSESSMENT
5. AUTHORIZE REVISIONS TO RETIREE HEALTH BENEFITS POLICY

DISCUSSION ITEMS

6. FY 2022-23 BUDGET

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.)

7. SOLE SOURCE CONTRACT WITH OUTDOOR DIMENSIONS FOR OFFICE SIGNS
8. DEPARTMENT ACTIVITIES REPORTS

- a. Administration
 - b. Finance and Information Technology
9. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

OTHER ITEMS

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

PLANNING & OPERATIONS COMMITTEE ITEMS

PRESENTATION ITEM

11. CONSERVATION FRAMEWORK STANDARDS UPDATE

ACTION ITEMS

12. EXTENSION OF FEDERAL LEGISLATIVE ADVOCACY CONTRACT WITH NATIONAL RESOURCE RESULTS (NRR)
13. EXTENSION OF STATE LEGISLATIVE ADVOCACY CONTRACT WITH BEST, BEST & KRIEGER
14. OC-70 BILLING METER ERROR RESOLUTION
15. ADOPT RESOLUTION SUPPORTING PFAS LEGISLATION TO PROTECT RATEPAYERS AND WATER/WASTEWATER AGENCIES

DISCUSSION ITEMS

16. UPDATE ON COVID-19 (ORAL REPORT)
17. LOCAL LEGISLATIVE ACTIVITIES
- a. Federal Legislative Report (NRR)
 - b. State Legislative Report (BBK)
 - c. County Legislative Report (Lewis)
 - d. Legal and Regulatory Report (Ackerman)

INFORMATION ITEMS

18. CONTRACT TIMEFRAME EXTENSION OF MNWD FUTURE SUPPLY ACTION (FSA) AGREEMENT WITH MET
19. OC WATER SUMMIT UPDATE
20. MWDOC CHOICE SCHOOL PROGRAMS UPDATE

21. STATUS REPORTS

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

22. 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.



PUBLIC HEARING

December 6, 2021

TO: Board of Directors

FROM: Robert Hunter, General Manager

Staff Contact: Charles Busslinger,
Heather Baez

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

STAFF RECOMMENDATION

Staff recommends the Board of Directors:

- (1) Open the Public Hearing regarding MWDOC's division boundary adjustments to receive input from the public;
- (2) Receive and file presentation from Center for Demographic Research;
- (3) Receive comments from the public;
- (4) Discuss and provide input to staff on adjustments to division boundaries and Board considerations;
- (5) Close Public Hearing.

COMMITTEE RECOMMENDATION

This item was not reviewed by a Committee.

SUMMARY

California Elections Code 22001 requires a governing body must hold at least one public hearing before adjusting the boundaries of a division, and at least one public hearing before the governing body votes to approve or defeat the proposal. This meeting serves as the first

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

public hearing prior to reviewing any proposed boundary adjustments. California Elections Code 22000 requires the adjustment of a special district's division boundaries following each federal decennial census so that the divisions are as equal in population as practicable. MWDOC divisions that were in balance when boundary lines were last drawn in 2012 are now out of balance based on 2020 Census population data. As indicated in the September 8, 2021 A&F Committee Informational Item, while census data would typically be made available to local agencies by March 31, 2021, there was a 4.5 month delay in the release of census data due to the pandemic. Senate Bill 594 (Glazer), which was signed into law by Governor Newsom on September 27, 2021, also requires a governing board to adopt adjusted division boundaries no later than April 17, 2022 instead of May 12, 2022. These time constraints affect not only special districts, but also cities and counties. Given these time constraints and commitments to contractual obligations, as well as other special districts, cities, and county needs for similar CDR services; CDR is unable to provide support to MWDOC in March or April 2022. Therefore, MWDOC's redistricting process needs to be completed by the end of February 2022.

Division Population Variance

However the division lines are ultimately drawn, the divisions will not be perfectly equal in population. An additional compliance requirement is the variance or "spread" between division population counts. The spread is the measure of the difference in population between the most populous division and the least populous division. For example, if the smallest division size is 4% below the target population and the largest is 5% above the target population, the spread is 9%, which is presumptively constitutional. Although there is no mathematical "safe harbor" for the spread between divisions of a local agency, California state courts generally have deferred to local agencies on the issue of whether they have achieved the lowest spread "practicable" if the spread is less than 10 percent.

Presentation

CDR will present an overview of the redistricting process, as well as a review of current 2012 MWDOC Division Boundaries, population data from the 2020 Census, and the new division population target.

Staff is seeking public comments and direction from the Board on adjustments to the division boundaries. The Board can indicate desired changes to the existing division boundaries that are consistent with both the Elections Code and the Federal and California Voting Rights Acts.

Board Direction on Division Boundaries

The MWDOC Administrative Code provides policy guidance for evaluation of division boundaries in coordination with the decennial census data:

MWDOC Admin Code Article 2 page vi:

"It is the general policy of the Board to evaluate the division boundaries in coordination with the census data (every ten years) and to best maintain the District's "Community of Interest" as the member agency service areas (water providers as the primary guideline and keeping cities intact as to the greatest extent practicable)."

CDR and staff will take direction from the Board following the presentation and prepare two mapping proposals for adjusting division boundaries. The two proposals will be presented at the January 5, 2022 Board Workshop for further public input and the Board's review. Revisions to the proposed boundary maps based on direction from the Board at the January Board Workshop will be presented again at the January 19, 2022 Board Meeting.

Given the above indicated time constraints, staff recommends that the Board consider limiting the number of substitute map proposals and the number of proposal iterations so that the work can be completed within the available time. Changes will then be incorporated into a final proposed map for the Board's consideration for adoption by resolution at the February 16, 2022 Board meeting.

Schedule

Proposed schedule for this effort includes:

Date	Purpose	Public Meeting
Dec. 6, 2021	CDR to present existing conditions and provide overview of redistricting process	Special Meeting of the Board at the joint A&F and P&O Committee
Jan. 5, 2022	CDR to present two proposed boundary maps and obtain Public and Board input	Board Workshop Meeting
Jan. 19, 2022	Present revisions to the proposed boundary maps	Board Meeting
Feb. 16, 2022	Adopt adjusted division boundaries by Resolution	Board Meeting

Attachments:

1. Orange County Cities Population Growth 2010-2020
2. Existing Conditions Report with 2012 Division Boundary Map
3. Center For Demographic Research Presentation on 2022 MWDOC Redistricting

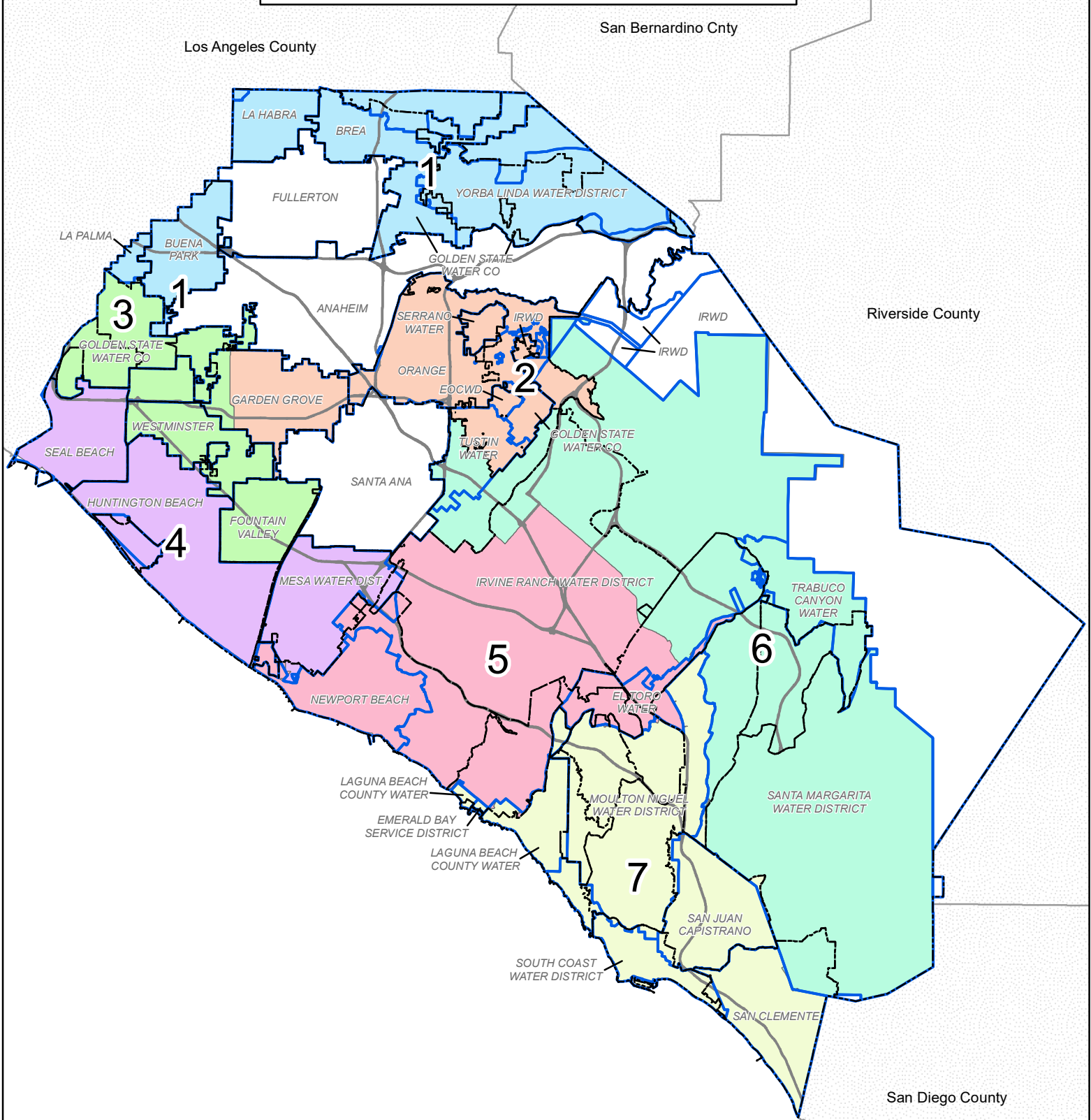
Attachment 1: Orange County Population Growth, 2010-2020

<u>Jurisdiction</u>	<u>2010</u>	<u>2020</u>	<u>2010-2020 Growth</u>	
			<u>Number</u>	<u>Percent</u>
Aliso Viejo	47,823	52,176	4,353	9.1%
Anaheim	336,265	346,824	10,559	3.1%
Brea	39,282	47,325	8,043	20.5%
Buena Park	80,530	84,034	3,504	4.4%
Costa Mesa	109,960	111,918	1,958	1.8%
Cypress	47,802	50,151	2,349	4.9%
Dana Point	33,351	33,107	-244	-0.7%
Fountain Valley	55,313	57,047	1,734	3.1%
Fullerton	135,161	143,617	8,456	6.3%
Garden Grove	170,883	171,949	1,066	0.6%
Huntington Beach	189,992	198,711	8,719	4.6%
Irvine	212,375	307,670	95,295	44.9%
La Habra	60,239	63,097	2,858	4.7%
La Palma	15,568	15,581	13	0.1%
Laguna Beach	22,723	23,032	309	1.4%
Laguna Hills	30,344	31,374	1,030	3.4%
Laguna Niguel	62,979	64,355	1,376	2.2%
Laguna Woods	16,192	17,644	1,452	9.0%
Lake Forest	77,264	85,858	8,594	11.1%
Los Alamitos	11,449	11,780	331	2.9%
Mission Viejo	93,305	93,653	348	0.4%
Newport Beach	85,186	85,239	53	0.1%
Orange	136,416	139,911	3,495	2.6%
Placentia	50,533	51,824	1,291	2.6%
Rancho Santa Margarita	47,853	47,949	96	0.2%
San Clemente	63,522	64,293	771	1.2%
San Juan Capistrano	34,593	35,196	603	1.7%
Santa Ana	324,528	310,227	-14,301	-4.4%
Seal Beach	24,168	25,242	1,074	4.4%
Stanton	38,186	37,962	-224	-0.6%
Tustin	75,540	80,276	4,736	6.3%
Villa Park	5,812	5,843	31	0.5%
Westminster	89,701	90,911	1,210	1.3%
Yorba Linda	64,234	68,336	4,102	6.4%
Unincorporated	121,160	132,877	11,717	9.7%
Total Orange County	3,010,232	3,186,989	176,757	5.9%

Source: 2020 Decennial Census P.L. 94-171 Redistricting Data file, released August 12, 2021

MWDOC Existing Conditions Report

Municipal Water District of Orange County 2012 Director Divisions



- January 1, 2021 City Boundaries
- Retail Water Agency, April 1, 2021
- Freeways and Toll Roads



0 2.75 5.5 11 Miles

Municipal Water District of Orange County Summary for Existing 2012 Director Divisions

Table 1. 2020 Census Total Population by Race/Ethnicity

2012 Division	Total Population	Hispanic or Latino of any Race	Non-Hispanic White	Non-Hispanic Black or African-American	Non-Hispanic American Indian or Alaska Native	Non-Hispanic Asian	Non-Hispanic Native Hawaiian or Other Pacific Islander	Non-Hispanic Some Other Race	Non-Hispanic Two or More Races
1	332,859	120,243	109,842	6,823	645	81,700	700	1,486	11,420
	100.0%	36.1%	33.0%	2.0%	0.2%	24.5%	0.2%	0.4%	3.4%
2	309,926	119,597	94,223	3,681	504	79,877	984	1,293	9,767
	100.0%	38.6%	30.4%	1.2%	0.2%	25.8%	0.3%	0.4%	3.2%
3	322,994	86,539	90,282	4,800	500	126,773	1,348	1,267	11,485
	100.0%	26.8%	28.0%	1.5%	0.2%	39.2%	0.4%	0.4%	3.6%
4	332,841	83,091	186,141	3,782	725	38,905	986	1,937	17,274
	100.0%	25.0%	55.9%	1.1%	0.2%	11.7%	0.3%	0.6%	5.2%
5	392,495	56,717	191,554	7,185	428	113,248	476	2,206	20,682
	100.0%	14.5%	48.8%	1.8%	0.1%	28.9%	0.1%	0.6%	5.3%
6	382,738	78,030	179,061	5,632	512	96,768	555	1,866	20,314
	100.0%	20.4%	46.8%	1.5%	0.1%	25.3%	0.1%	0.5%	5.3%
7	312,152	63,543	200,639	3,217	563	25,841	465	1,665	16,218
	100.0%	20.4%	64.3%	1.0%	0.2%	8.3%	0.1%	0.5%	5.2%
MWDOC TOTAL	2,386,005	607,760	1,051,742	35,120	3,877	563,112	5,514	11,720	107,160
	100.0%	25.5%	44.1%	1.5%	0.2%	23.6%	0.2%	0.5%	4.5%

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

Division	Number	Percent	Percentage Spread (Largest - Smallest)
1	-7,999	-2.35%	24.22%
2	-30,932	-9.07%	
3	-17,864	-5.24%	
4	-8,017	-2.35%	
5	51,637	15.15%	
6	41,880	12.29%	
7	-28,706	-8.42%	

Split Cities/Census Designated Places (CDPs) -

Aliso Viejo (2)	Laguna Hills (2)
Costa Mesa (2)	Lake Forest (2)
Garden Grove (2)	Mission Viejo (3)
Irvine (2)	Newport Beach (2)
La Palma (2)	San Clemente (2)
Laguna Beach (2)	Tustin (2)

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

Municipal Water District of Orange County
Summary for Existing 2012 Director Divisions

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

2012 Division	Total CVAP	Hispanic or Latino of any Race	Non-Hispanic White	Non-Hispanic Black or African-American	Non-Hispanic American Indian or Alaska Native	Non-Hispanic Asian	Non-Hispanic Native Hawaiian or Other Pacific Islander	Non-Hispanic Two or More Races
1	217,367	61,848	99,107	5,099	468	46,463	610	3,869
	100.0%	28.5%	45.6%	2.3%	0.2%	21.4%	0.3%	1.8%
2	207,745	56,904	90,184	2,426	408	54,337	530	2,716
	100.0%	27.4%	43.4%	1.2%	0.2%	26.2%	0.3%	1.3%
3	216,844	42,170	83,950	4,002	340	80,393	607	4,729
	100.0%	19.4%	38.7%	1.8%	0.2%	37.1%	0.3%	2.2%
4	243,765	42,097	162,173	4,220	835	26,675	1,058	6,125
	100.0%	17.3%	66.5%	1.7%	0.3%	10.9%	0.4%	2.5%
5	257,633	30,380	161,510	3,958	415	53,782	336	6,479
	100.0%	11.8%	62.7%	1.5%	0.2%	20.9%	0.1%	2.5%
6	235,595	36,914	140,164	4,721	464	46,077	280	6,623
	100.0%	15.7%	59.5%	2.0%	0.2%	19.6%	0.1%	2.8%
7	229,699	32,113	170,168	3,152	318	17,976	243	5,628
	100.0%	14.0%	74.1%	1.4%	0.1%	7.8%	0.1%	2.5%
MWDOC TOTAL	1,608,648	302,426	907,256	27,578	3,248	325,703	3,664	36,169
	100.0%	18.8%	56.4%	1.7%	0.2%	20.2%	0.2%	2.2%

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

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

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

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

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

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

For more information about the CVAP products, visit <https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html> and

https://www2.census.gov/programs-surveys/decennial/rdo/technical-documentation/special-tabulation/CVAP_2015-2019_ACS_documentation.pdf

**Municipal Water District of Orange County
Summary for Existing 2012 Director Divisions**

Table 4. 2020 Census Population by Existing Director Divisions and 2020 Census Place

DIVISION 1

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

DIVISION 2

Place	Total Population	Percent of Division
Garden Grove*	130,860	42.2%
North Tustin CDP	25,718	8.3%
Orange	139,911	45.1%
Tustin*	0	0.0%
Unincorporated	7,594	2.5%
Villa Park	5,843	1.9%
Division 2 Total	309,926	100.0%

DIVISION 3

Place	Total Population	Percent of Division
Cypress	50,151	15.5%
Fountain Valley	57,047	17.7%
Garden Grove*	41,089	12.7%
La Palma*	1,101	0.3%
Los Alamitos	11,780	3.6%
Midway City CDP	8,825	2.7%
Rossmoor CDP	10,625	3.3%
Stanton	37,962	11.8%
Unincorporated	13,503	4.2%
Westminster	90,911	28.1%
Division 3 Total	322,994	100.0%

DIVISION 4

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

DIVISION 5

Place	Total Population	Percent of Division
Aliso Viejo*	2,051	0.5%
Costa Mesa*	7,838	2.0%
Irvine*	228,634	58.3%
Laguna Beach*	0	0.0%
Laguna Hills*	8,900	2.3%
Laguna Woods	17,644	4.5%
Lake Forest*	39,263	10.0%
Mission Viejo*	6,760	1.7%
Newport Beach*	80,554	20.5%
Unincorporated	851	0.2%
Division 5 Total	392,495	100.0%

DIVISION 6

Place	Total Population	Percent of Division
Coto de Caza CDP	14,710	3.8%
Irvine*	79,036	20.7%
Ladera Ranch CDP	26,170	6.8%
Lake Forest*	46,595	12.2%
Las Flores CDP	5,995	1.6%
Mission Viejo*	56,437	14.7%
Modjeska CDP	632	0.2%
Rancho Mission Viejo CDP	10,378	2.7%
Rancho Santa Margarita	47,949	12.5%
San Clemente*	11,934	3.1%
Silverado CDP	932	0.2%
Trabuco Canyon CDP	1,020	0.3%
Tustin*	80,016	20.9%
Unincorporated	841	0.2%
Williams Canyon CDP	93	0.0%
Division 6 Total	382,738	100.0%

DIVISION 7

Place	Total Population	Percent of Division
Aliso Viejo*	50,125	16.1%
Dana Point	33,107	10.6%
Laguna Beach*	23,032	7.4%
Laguna Hills*	22,474	7.2%
Laguna Niguel	64,355	20.6%
Mission Viejo*	30,456	9.8%
San Clemente*	52,359	16.8%
San Juan Capistrano	35,196	11.3%
Unincorporated	1,048	0.3%
Division 7 Total	312,152	100.0%

*City split by 2012 division.

**Municipal Water District of Orange County
Summary for Existing 2012 Director Divisions**

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

2012 Division	Total Population 18 and Over	Hispanic or Latino of any Race	Non- Hispanic White	Non- Hispanic Black or African- American	Non-Hispanic American Indian or Alaska Native	Non- Hispanic Asian	Non-Hispanic Native Hawaiian or Other Pacific Islander	Non- Hispanic Some Other Race	Non- Hispanic Two or More Races
1	260,778	86,067	93,701	5,516	558	65,979	545	1,053	7,359
	100.0%	33.0%	35.9%	2.1%	0.2%	25.3%	0.2%	0.4%	2.8%
2	246,078	86,343	81,787	3,109	426	66,203	798	973	6,439
	100.0%	35.1%	33.2%	1.3%	0.2%	26.9%	0.3%	0.4%	2.6%
3	256,820	62,126	77,734	3,889	425	103,212	1,078	938	7,418
	100.0%	24.2%	30.3%	1.5%	0.2%	40.2%	0.4%	0.4%	2.9%
4	273,632	60,919	161,237	3,250	656	33,612	790	1,542	11,626
	100.0%	22.3%	58.9%	1.2%	0.2%	12.3%	0.3%	0.6%	4.2%
5	323,039	44,017	165,154	6,010	327	91,610	370	1,641	13,911
	100.0%	13.6%	51.1%	1.9%	0.1%	28.4%	0.1%	0.5%	4.3%
6	290,227	54,877	143,302	4,511	413	73,653	460	1,306	11,705
	100.0%	18.9%	49.4%	1.6%	0.1%	25.4%	0.2%	0.4%	4.0%
7	253,021	45,782	169,888	2,774	500	21,764	365	1,230	10,717
	100.0%	18.1%	67.1%	1.1%	0.2%	8.6%	0.1%	0.5%	4.2%
MWDOC TOTAL	1,903,595	440,131	892,803	29,059	3,305	456,033	4,406	8,683	69,175
	100.0%	23.1%	46.9%	1.5%	0.2%	24.0%	0.2%	0.5%	3.6%

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

2022 MWDOC Board of Directors Redistricting

Adjustment Of MWDOC Division Boundaries Pursuant To
Elections Code

Municipal Water District of Orange County

December 6, 2021

1

Acronyms

- ACS- American Community Survey
- CDP- Census Designated Place
- CDR- Center for Demographic Research
- CVAP- Citizen Voting Age Population
- P.L. 94-171- Public Law 94-171
- ROV- Registrar of Voters
- SWDB- California Statewide Database

2

What is Redistricting?

- Redistricting is the regular process of adjusting the lines of voting districts in accordance with population shifts.
- Following each Decennial Census to meet strict requirements for population equality and voting rights protections
- State, counties, cities, & special districts

3

Public Law 94-171 and 2020 Census Redistricting Data

- Public Law 94-171, enacted in 1975, directs the Census Bureau to make special preparations to provide redistricting data needed by the 50 states.
- Data released by April 1 in the year following the Decennial Census
 - Delayed five months due to COVID-19 pandemic
- Contains population counts for the total population and for the population 18 years and over in four tables:
 - Total population by race
 - Total population by race & ethnicity (breaks out Hispanic or Latino)
 - Total population age 18 years and over by race
 - Total population age 18 years and over by race & ethnicity (breaks out Hispanic or Latino)
 - Housing units (occupied and vacant)
 - Group quarters population
- <https://www.census.gov/programs-surveys/decennial-census/about/rdo/summary-files.html>

4

Citizen Voting Age Population (CVAP)

- Calculated from U.S. Census Bureau's American Community Survey (ACS)
 - Monthly household sample survey across the nation
- 5-Year Estimates
 - Data collected over five-year period
 - Will not match counts from 2010 Census
 - Census Block Group level
- Estimated population by race/ethnicity of U.S. citizens age 18 and over
 - Population eligible to vote
- Available on U.S. Census Bureau website (original)
 - <https://www.census.gov/programs-surveys/decennial-census/about/voting-rights/cvap.html>
- Disaggregated to 2020 Census block by Statewide Database
 - <https://statewidedatabase.org/redistricting2021/counties.html>
 - Revised dataset released September 27, 2021

5



- 2020 Census:
- 34 cities & 11 Census Designated Places (CDPs)
 - 614 census tracts
 - 2,049 block groups
 - 26,734 census blocks

U.S. Census Bureau Geographic files: <https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html>
OC files: <http://www.fullerton.edu/cdr/demographics/census2020.aspx>

6

Orange County Population Change, 2010-2020

Orange County Change

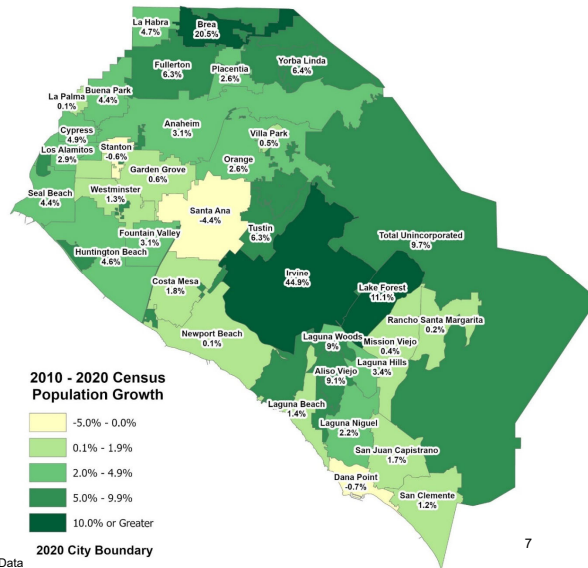
2010: 3,010,232

2020: 3,186,989

10-year Growth:

+ 176,757

+ 5.9%



Sources: 2010 & 2020 Census P.L. 94-171 Redistricting Data

7

Orange County Housing Unit Change, 2010-2020

Orange County Change

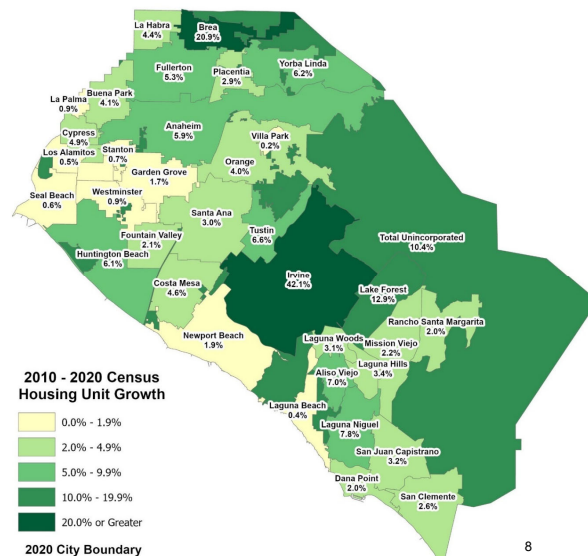
2010: 1,048,907

2020: 1,129,785

10-year Growth:

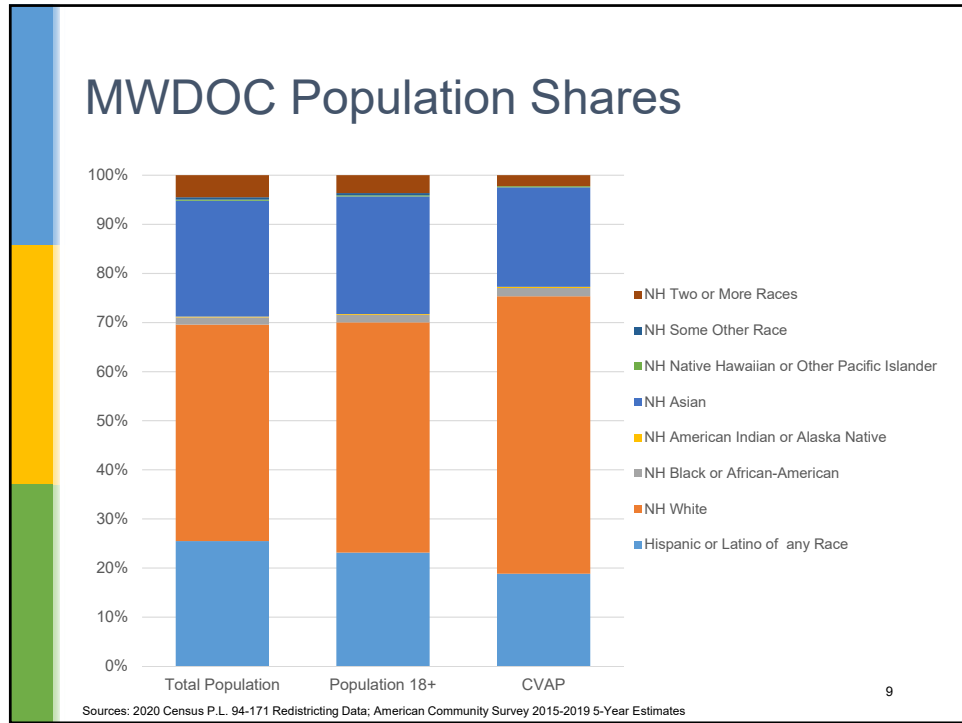
+ 80,878

+ 7.7%

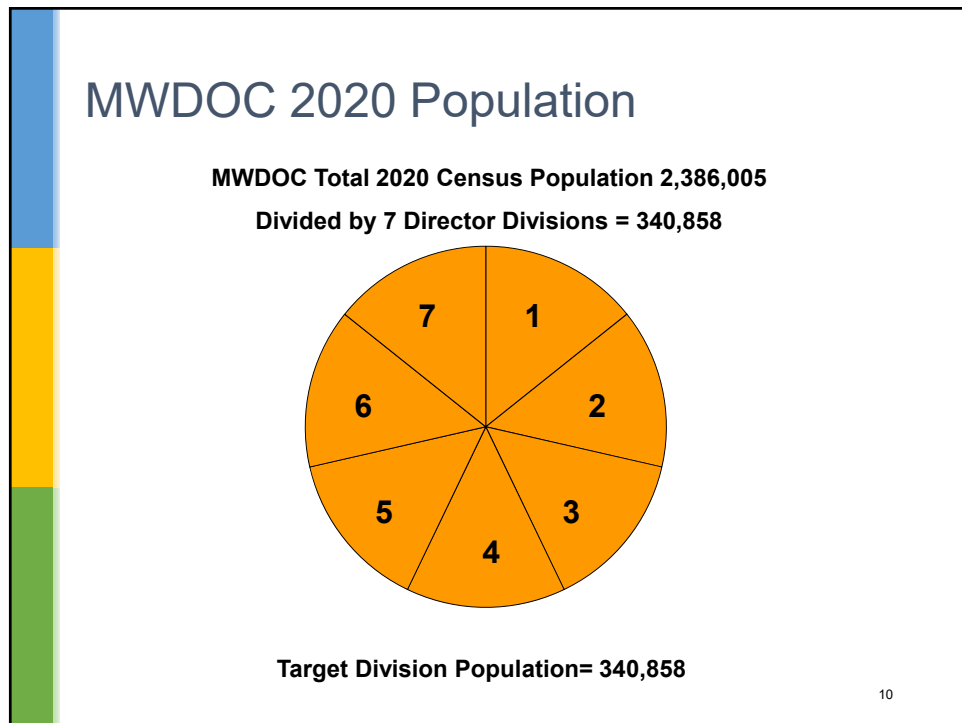


Sources: 2010 & 2020 Census P.L. 94-171 Redistricting Data

8



9



10

MWDOC Directors & Divisions



Division 1
Al Nederhood



Division 2
Larry Dick



Division 3
Bob McVicker



Division 4
Karl Seckel



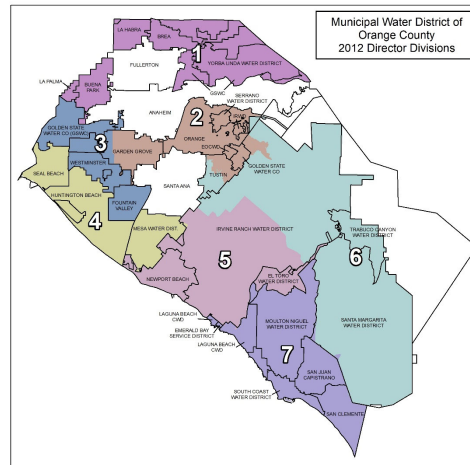
Division 5
Sat Tamaribuchi



Division 6
Jeff Thomas



Division 7
Megan Yoo Schneider



11

Existing Director Divisions Differences with Target Population

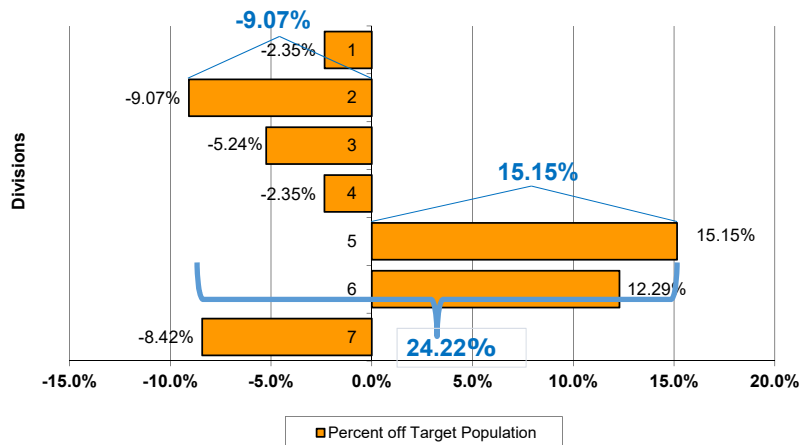
Division	Growth 2010-2020		Total 2020 Population	Difference from Target 2020 Population	
	Number	Percent		Number	Percent
1	18,276	5.8%	332,859	-7,999	-2.35%
2	4,556	1.5%	309,926	-30,932	-9.07%
3	7,015	2.2%	322,994	-17,864	-5.24%
4	9,677	3.0%	332,841	-8,017	-2.35%
5	64,145	19.5%	392,495	51,637	15.15%
6	61,528	19.2%	382,738	41,880	12.29%
7	6,634	2.2%	312,152	-28,706	-8.42%

Target Division Population= 340,858

12

Existing Director Divisions Differences with Target Population

$$|-9.07\%| + |15.15\%| \rightarrow 9.07\% + 15.15\% = 24.22\%$$



13

Existing Director Divisions Variance with Target Population (with San Juan Capistrano Moved into SMWD's Division 6)

Division	Total 2020 Population	Difference from Target 2020 Population	
		Number	Percentage
1	332,859	-7,999	-2.35%
2	309,926	-30,932	-9.07%
3	322,994	-17,864	-5.24%
4	332,841	-8,017	-2.35%
5	392,495	51,637	15.15%
6	420,413	79,555	23.34%
7	274,477	-66,381	-19.47%

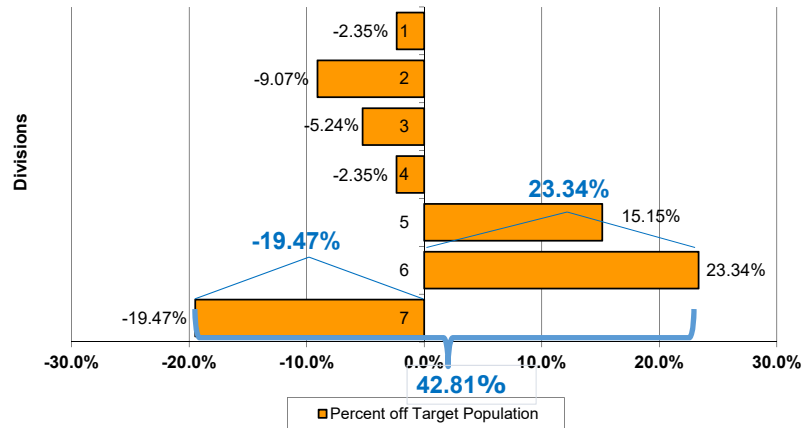
Target Division Population= 340,858

14

Existing Director Divisions Variance with Target Population

(with San Juan Capistrano Moved into SMWD's Division 6)

$$|-19.47\%| + |23.34\%| \rightarrow 19.47\% + 23.34\% = 42.81\%$$



15

Redistricting Criteria

- The director divisions shall be nearly equal in population
- Consideration may be given to the following factors:
 - Topography
 - Geography
 - Cohesiveness, contiguity, integrity, and compactness of territory
 - Communities of interest

16

Communities of Interest

- MWDOC Admin Code Article 2 page vi:

“It is the general policy of the Board to evaluate the division boundaries in coordination with the census data (every ten years) and to best maintain the District’s “Community of Interest” as the member agency service areas (water providers as the primary guideline and keeping cities intact as to the greatest extent practicable).”

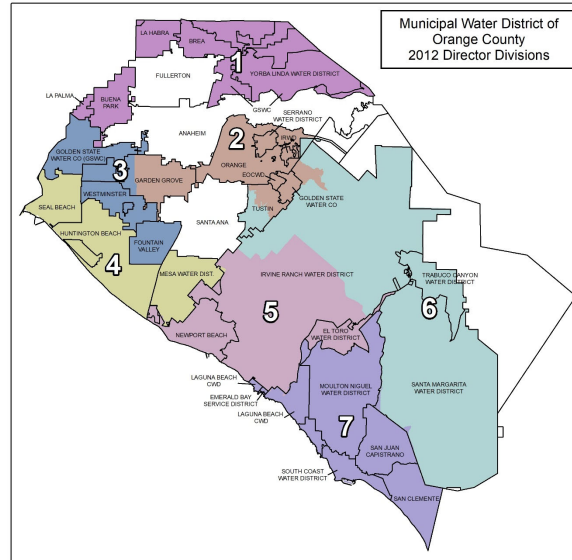
17

Timeline

- December 6, 2021- Joint Committee meeting
- January 5, 2022- MET Public Workshop
- January 19, 2022- Board meeting
- February 16, 2022- Board meeting
- April 17, 2022- Deadline to adopt new division boundaries

18

Questions and Feedback



19

**Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
November 2021**

WATER REVENUES

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
11/01/2021	City of La Habra	September 2021 Water deliveries	126,379.52
11/01/2021	South Coast Water District	September 2021 Water deliveries	509,836.69
11/05/2021	City of La Palma	September 2021 Water deliveries	66,026.56
11/05/2021	City of San Clemente	September 2021 Water deliveries	826,527.77
11/08/2021	El Toro Water District	September 2021 Water deliveries	651,064.09
11/08/2021	Santa Margarita Water District	September 2021 Water deliveries	2,531,112.94
11/10/2021	City of Garden Grove	September 2021 Water deliveries	570,234.77
11/10/2021	City of Orange	September 2021 Water deliveries	1,412,416.18
11/12/2021	City of Buena Park	September 2021 Water deliveries	342,624.38
11/12/2021	City of San Juan Capistrano	September 2021 Water deliveries	609,880.09
11/12/2021	East Orange Co Water District	September 2021 Water deliveries	988,115.19
11/12/2021	Laguna Beach County Water District	September 2021 Water deliveries	339,989.63
11/12/2021	Serrano Water District	September 2021 Water deliveries	192,479.65
11/15/2021	Golden State Water Company	September 2021 Water deliveries	748,508.86
11/15/2021	Irvine Ranch Water District	September 2021 Water deliveries	2,288,350.44
11/15/2021	Moulton Niguel Water District	September 2021 Water deliveries	2,563,324.25
11/15/2021	Orange County Water District	September 2021 Water deliveries	377,954.81
11/15/2021	Trabuco Canyon Water District	September 2021 Water deliveries	155,468.51
11/15/2021	Yorba Linda Water District	September 2021 Water deliveries	2,167,312.52
11/23/2021	City of Newport Beach	October 2021 Water deliveries	295,595.94
11/26/2021	City of Brea	October 2021 Water deliveries	11,552.53
11/26/2021	City of Huntington Beach	October 2021 Water deliveries	554,664.84

TOTAL WATER REVENUES \$ 18,329,420.16

**Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
November 2021**

MISCELLANEOUS REVENUES

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
11/02/2021	Paypal	9/30/2021 Water Policy dinner	2,559.78
11/01/2021	Keith Lyon	November 2021 Retiree Health insurance	271.85
11/04/2021	Karl Seckel	November 2021 Retiree Health insurance	241.40
11/04/2021	Meszaros, Patricia	November 2021 Retiree Health insurance	40.63
11/29/2021	Keith Lyon	December 2021 Retiree Health insurance	271.85
11/15/2021	Stan Sprague	December 2021 Retiree Health insurance	241.40
11/22/2021	Igoe and Company Inc	COBRA and Retiree Vision insurance	70.98
11/16/2021	US Bank Custodial Account	National Rural Utilities Coop Interest payment	416.67
11/29/2021	US Bank Custodial Account	Bank of America Interest payment	406.25
11/30/2021	US Bank	Monthly Interest	4.77
11/18/2021	Orange County Water District	Office furnitures and fixtures	1,400.00
11/18/2021	Irvine Ranch Water District	September 2021 Smartimer rebate program	450.00
11/01/2021	City of La Habra	July 2021 Turf Removal rebate program	111.00
11/01/2021	City of La Habra	August 2021 Turf Removal rebate program	222.00
11/12/2021	City of Brea	September 2021 Turf Removal rebate program	111.00
11/12/2021	City of Buena Park	September 2021 Turf Removal rebate program	111.00
11/08/2021	Moulton Niguel Water District	September 2021 Smartimer and Rotating Nozzle rebate program	28,976.64
11/12/2021	Laguna Beach County Water Dis	September 2021 Turf Removal and Spray to Drip rebate program	333.00
11/23/2021	City of Fountain Valley	September 2021 Turf Removal and Spray to Drip rebate program	555.00
11/26/2021	City of San Clemente	September 2021 Rotating Nozzle, Turf Removal and Spray to Drip rebate program	393.00
11/01/2021	Moulton Niguel Water District	September 2021 So Cal Watersmart rebate program	6,200.00
11/05/2021	City of San Clemente	September 2021 So Cal Watersmart rebate program	625.00
11/08/2021	Laguna Beach County Water Dis	September 2021 So Cal Watersmart rebate program	130.00
11/16/2021	Bureau of Reclamation	Apr-Sep 2021 Water Efficient Landscape Transformation program	69,844.36
11/29/2021	Bureau of Reclamation	Apr-Sep 2021 Residential Smart Water Monitoring Pilot program	92,836.77
11/15/2021	City of Garden Grove	Addition to Choice School Program FY 21-22	2,057.96
11/29/2021	City of Santa Ana	FY 2021-22 Choice Programs Billing Invoice	42.81
11/23/2021	Water Replenishment District	WEEA Sponsorship FY 2021-22	2,500.00
TOTAL MISCELLANEOUS REVENUES			\$ 211,425.12
TOTAL REVENUES			\$ 18,540,845.28

 for
Robert J. Hunter, General Manager


Hilary Chumpitazi, Treasurer

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of December 2021**

Vendor/ Invoice	Description	Amount to Pay
Core Disbursements:		
ABSG Consulting Inc		
5107684	October 2021 Owner's Representative and relocation services for MWDOC office remodel	14,880.00
Total		14,880.00
ACCO Engineered Systems Inc		
52544	Raise two VAV boxes in conference room 101 to support building remodel construction for MWDOC office remodel	14,420.00
52549	November 2021 Repair VAV box in MWDOC office conference room 101	2,580.49
Total		17,000.49
Richard C Ackerman		
1320	November 2021 Legal Consulting on Water Issues	2,200.00
Total		2,200.00
Arcadis US Inc		
34267798	November 2021 Urban Water Management Plan Development services	17,866.35
Total		17,866.35
Awards & Trophies Co Inc		
4299	Desk nameplate and holder for new hire	27.12
Total		27.12
Best Best and Krieger LLP		
55401-OCT21	October 2021 Legal Services	12,729.50
920266	October 2021 Services for State legislative advocacy	8,000.00
Total		20,729.50
The Brattle Group Inc		
64294	September 2021 Services for the Economic Benefit Studies and Modeling Work	11,000.00
Total		11,000.00
California Chamber of Commerce		
SI459874	2022 Annual membership renewal	849.00
Total		849.00
CDM Smith		
90138501	August-October 2021 Services for water resource planning	10,393.00
90139311	November 2021 Services for water resource planning	1,938.75
Total		12,331.75

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of December 2021**

Vendor/ Invoice	Description	Amount to Pay
Computer Works NFP Solutions		
4242	25 Hours of Prepaid AccuFund support services	3,250.00
Total		3,250.00
EEl Systems-Kendal Stechauner		
15591	New AV system in conference room 101 and 102 for MWDOC office remodel	12,652.81
15591R	10% Retainer for New AV system in conference room 101 and 102 for MWDOC office remodel	6,300.00
Total		18,952.81
Elevated Health Inc		
November 2021	Pre-employment physical for three new staff members	450.00
Total		450.00
Fenagh LLC		
5828-5	October 2021 Services for on-site testing and inspection of structural steel and concrete for MWDOC office remodel	585.29
Total		585.29
Jill Promotions		
11266	24 Hats for promotional items	418.88
Total		418.88
KnowBe4 Inc		
INV159866	Annual Security Awareness Training subscription	1,049.85
Total		1,049.85
Lawnscape Systems Inc		
423694	11/9/21 Landscape Maintenance for Atrium	495.00
Total		495.00
Lewis Consulting Group		
2021-134	November 2021 Consulting services	3,750.00
Total		3,750.00
Means Consulting LLC-Edward G Means III		
MWDOC-1099	November 2021 MET issues & strategic guidance to staff	1,187.50
Total		1,187.50

Municipal Water District of Orange County
Disbursement Approval Report
For the month of December 2021

Vendor/ Invoice	Description	Amount to Pay
Mega Maids Cleaning Service		
12164	November 2021 Cleaning services for COVID-19 prevention	420.00
Total		420.00
Metropolitan West		
9239	70% Deposit for Logo/film on two doors and film on one door for MWDOC office remodel	1,982.40
Total		1,982.40
Municipal Resource Group LLC		
03-21-464-	July-August 2021 Services for Performance Management Model and materials	7,987.50
Total		7,987.50
NDS		
793828	11/5/21 Board packet delivery service	186.50
793897	11/12/21 Board packet delivery service	186.50
Total		373.00
Office Depot Inc		
204150570001	11/15/21 Office supplies	20.99
210005435001	11/15/21 Office supplies	115.25
210008359001	11/17/21 Office supplies	19.56
210238288001	11/22/21 Office supplies	50.72
210239389001	11/22/21 Office supplies	70.24
210239392001	11/18/21 Office supplies	57.62
Total		334.38
Optima RPM Inc		
5000437	November 2021 Construction services for MWDOC office seismic improvements and remodel	120,626.79
Total		120,626.79
Orange Coast Plumbing Inc		
26234	Cleared the restroom drains on the west side of MWDOC office	500.00
26417	Camera placed in sewer line on west side of MWDOC building	250.00
Total		750.00
Orange County Water District		
23636	October 2021 Postage, shared office and maintenance expense	9,641.61
Total		9,641.61

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of December 2021**

Vendor/ Invoice	Description	Amount to Pay
Penn Corporate Relocation Services		
120211205	Move furniture and haul away unwanted items in Server Room for MWDOC office remodel	955.00
Total		955.00
PeopleSpace		
INV53207	Final payment on furniture for Phase 2 & 3 of MWDOC office remodel	597.45
INV53208	Final payment on WEROC office furniture for MWDOC office remodel	1,384.88
INV53209	Final payment on furniture and accessories for MWDOC office remodel	736.95
INV54168	Full payment on podium for conference room 101 for MWDOC office remodel	2,771.25
Total		5,490.53
Judy Pfister		
9302021	July-September, 2021 Retiree medical premium	445.50
Total		445.50
Karl Seckel		
12012021	December 2021 Retiree medical premium	657.60
Total		657.60
Soto Resources-Joey C Soto		
2021-MWDOC- GA-NOV-49	November 2021 Grant Research and Acquisition	3,250.00
Total		3,250.00
SPS Data Communications		
112115	October 2021 Data Cables and Data jacks preparation and installation for MWDOC office remodel	1,000.00
Total		1,000.00
Vasquez and Company LLP		
2211034A-IN	October 2021 services for Fiscal year ended June 30, 2021 Financial Audit	2,566.00
Total		2,566.00
Water Systems Optimization Inc		
2110	November 2021 Technical Assistance Program services for Water Loss Control	1,520.00
2111	November 2021 Services for Water Loss Control Shared Services template development	1,720.00
Total		3,240.00
Total Core Expenditures		286,743.85

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of December 2021**

Vendor/ Invoice	Description	Amount to Pay
Choice Expenditures:		
Bryton Printing		
16325	Water Use Efficiency Winter 2021 Bill inserts for member agencies	2,518.42
Total		<u>2,518.42</u>
Building Block Entertainment Inc		
3465-4	November 2021 Choice Elementary School Program K-2	13,850.00
3465-5	Annual license and email campaign to distribute water education videos to schools	7,000.00
Total		<u>20,850.00</u>
Moulton Niguel Water District		
4460032	7/1/20-6/30/21 MET Pass-Through Funding for ProActive Leak Detection Program	17,756.80
Total		<u>17,756.80</u>
Orange County Water District		
23636	October 2021 Postage for Water Use Efficiency rebate programs	17.93
Total		<u>17.93</u>
Westerly Meter Service-Lane M Matsuno		
16949	October 2021 Meter Accuracy Testing for Fountain Valley	935.00
Total		<u>935.00</u>
Total Choice Expenditures		<u>42,078.15</u>
Other Funds Expenditures:		
EcoTech Services Inc		
2101	October 2021 Landscape Design and Maintenance Assistance programs	2,626.50
Total		<u>2,626.50</u>
Herndon Solutions Group LLC		
INV-0000002041	October 2021 Services to assist with America's Water Infrastructure Act compliance	49,685.03
Total		<u>49,685.03</u>
Mission RCD		
3092	November 2021 Field inspection and verification for Water Use Efficiency rebate programs	8,873.50
Total		<u>8,873.50</u>

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of December 2021**

Vendor/ Invoice	Description	Amount to Pay
The Plant Nerd		
6902	November 2021 Landscape Design and Maintenance Assistance programs	17,640.00
Total		17,640.00
Soto Resources-Joey C Soto		
2021-MWDOC-SA	November 2021 Grant Administration Services for Prop 1 North	2,318.25
NOV-50		
Total		2,318.25
Water Systems Optimization Inc		
2110	November 2021 Technical Assistance Program services for Water Loss Control	27,410.00
Total		27,410.00
Total Other Funds Expenditures		108,553.28
Total Expenditures		437,375.28

**Municipal Water District of Orange County
Disbursement Ratification Report
For the Month of November 2021**

Name/ Date	Check/ EFT	Invoice	Description	Amount
Core Disbursements:				
Joseph Berg				
11/29/2021	EFT	100721	October 2021 Business expense	52.33
Total				52.33
Corodata Records Management Inc				
11/04/2021	EFT	RS4736472	September 2021 Records Storage Fees	108.89
11/29/2021	EFT	RS4745066	October 2021 Records Storage Fees	52.25
Total				161.14
Rachel Davis				
11/29/2021	EFT	100721	October 2021 Business expense	213.99
Total				213.99
Sam Fetter				
11/29/2021	EFT	100621	October 2021 Business expense	39.53
Total				39.53
Robert Hunter				
11/29/2021	EFT	100521	October 2021 Business expense	119.70
Total				119.70
Al Nederhood				
11/29/2021	EFT	102121	October 2021 Business expense	55.67
Total				55.67
Ricoh USA Inc				
11/15/2021	EFT	5062903827	6/29-9/28/21 Additional copier images	30.46
Total				30.46
Judy Roberts				
11/29/2021	EFT	91621	September 2021 Business expense	42.99
Total				42.99
Karl Seckel				
11/29/2021	EFT	101421	October 2021 Business expense	10.00
Total				10.00

**Municipal Water District of Orange County
Disbursement Ratification Report
For the Month of November 2021**

Name/ Date	Check/ EFT	Invoice	Description	Amount
Spectrum Business				
11/18/2021	140554	343564111021	November 2021 Telephone expense for 1 analog fax line	39.99
11/04/2021	140540	375210103021	November 2021 Telephone and internet expense	1,423.83
Total				1,463.82
US Bank				
11/29/2021	140582	0208/4192/4279-OCT21	9/23/21-10/22/21 Cal Card Charges	10,995.53
Total				10,995.53
Verizon Wireless				
11/04/2021	140541	9891322634	October 2021 4G Mobile broadband unlimited service	114.03
Total				114.03
Katie Vincent				
11/29/2021	EFT	101921	October 2021 Business expense	73.38
Total				73.38
Total Core Disbursements				13,372.57
Choice Disbursements:				
US Bank				
11/29/2021	140582	4279-OCT21	9/23/21-10/22/21 Cal Card Charges	100.00
Total				100.00
US Bank Voyager Fleet Systems				
11/15/2021	EFT	8694349932144	9/25/21-10/24/21 Fuel for Water Loss Control Shared Services vehicles	136.59
Total				136.59
Total Choice Disbursements				236.59

**Municipal Water District of Orange County
Disbursement Ratification Report
For the Month of November 2021**

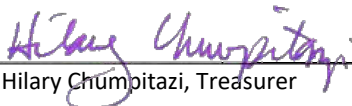
Name/ Date	Check/ EFT	Invoice	Description	Amount
Other Funds Disbursements:				
AT&T				
11/15/2021	140544	17242947	October 2021 Telephone expense for WEROC N. & S. EOC	435.91
11/15/2021	140544	17242948	October 2021 Telephone expense for WEROC N. EOC	116.61
Total				552.52
Mesa Water District				
11/15/2021	EFT	10628	Sept. 2021 Credit for Local Resources program	122,622.60
Total				122,622.60
Metropolitan Water District				
11/30/2021	WIRE	10563	September 2021 Water deliveries	17,816,831.43
Total				17,816,831.43
Santa Margarita Water District				
11/29/2021	EFT	SEP2021	Sept. 2021 SCP Pipeline Operation Surcharge	29,414.70
Total				29,414.70
Santiago Aqueduct Commission				
11/29/2021	140558	SEP2021	Sept. 2021 SAC Pipeline Operation Surcharge	2,708.16
Total				2,708.16
Spray to Drip Rebate				
11/29/2021	140580	S2D4-R-IRWD-42462-18073	E. Yang	448.00
11/29/2021	140564	S2D4-R-TUST-42273-18027	E. Chen	190.00
11/29/2021	140567	S2D4-R-TUST-42347-18042	J. Lee	394.00
11/29/2021	140566	S2D4-R-YLWD-41942-17948	D. Cruikshank	125.00
11/29/2021	140573	S2D5-C-SOCO-42800-18135	Regatta Homeowners Association (Dana Point)	2,006.00
11/29/2021	140577	S2D5-R-HB-42810-18139	S. Stewart	456.50
11/29/2021	140575	S2D5-R-SC-42923-18195	C. Stephany	1,927.00
11/29/2021	140571	S2D5-R-TUST-42728-18131	B. Morrison	2,056.00
Total				7,602.50

**Municipal Water District of Orange County
Disbursement Ratification Report
For the Month of November 2021**

Name/ Date	Check/ EFT	Invoice	Description	Amount
Turf Rebate				
11/29/2021	140570	TR12-R-FV-38502-37409	P. Malek	5,985.00
11/29/2021	140562	TR13-R-YLWD-39232-38101	J. Boyer	2,817.00
11/29/2021	140574	TR14-C-IRWD-38663-40974	Serissa Comm Assn (Irvine)	9,383.00
11/29/2021	140561	TR14-C-MNT-38652-41252	Bear Brand HOA Cost Center (Laguna Niguel)	4,132.00
11/29/2021	140563	TR14-R-HB-42524-41230	L. Catton	2,611.00
11/29/2021	140581	TR14-R-IRWD-42462-41167	E. Yang	1,140.04
11/29/2021	140569	TR14-R-MNT-41762-40513	R. Leone	994.00
11/29/2021	140579	TR14-R-SC-42133-40874	T. Stohler	1,600.00
11/29/2021	140565	TR14-R-TUST-42273-41003	E. Chen	760.00
11/29/2021	140568	TR14-R-TUST-42347-41061	J. Lee	3,128.00
11/29/2021	140578	TR15-R-HB-42810-41482	S. Stewart	1,446.00
11/29/2021	140576	TR15-R-SC-42923-41581	C. Stephany	2,781.00
11/29/2021	140572	TR15-R-TUST-42728-41408	B. Morrison	12,375.00
Total				49,152.04
US Bank				
11/29/2021	140582	6066-OCT21	9/23/21-10/22/21 Cal Card Charges	175.66
Total				175.66
Verizon Wireless				
11/04/2021	140541	9891322634	Oct. 2021 4G Mobile broadband unlimited service	76.02
Total				76.02
Total Other Funds Disbursements				18,029,135.63
Total Disbursements				18,042,744.79



Robert J. Hunter, General Manager



Hilary Chumoitazi, Treasurer

Cal Card Charges
Statement Date: October 22, 2021
Payment Date: November 29, 2021

Date	Description	Amount
R. Hunter Card:		
9/27/2021	9/27/21 Business lunch and parking	82.50
10/05/2021	AMWA Executive Management conference in Denver, CO from October 3-5, 2021 - Accomodations, meals, and parking for R. Hunter	981.50
10/18/2021	Southern California Water Coalition annual dInner in Long Beach, CA on October 21, 2021 - Registration for R. Hunter	300.00
Total:		1,364.00

C. Harris Card:

9/22/2021	Public Affairs intern job posting	110.00
9/23/2021	10 Bluetooth adapters for wireless headsets for staff	100.60
9/23/2021	Fed Ex delivery charge on Sept. 23, 2021	15.54
9/23/2021	ACWA Fall Conference in Pasadena, CA from 11/30-12/2/21 - Registration for R. Hunter	270.00
9/23/2021	Stamper repair and rebanding	38.24
9/24/2021	8/25/21-9/24/21 Web hosting service for MWDOC website	15.65
9/25/2021	Water Loss Control Technician job posting	200.00
9/29/2021	Toll Road charge for Water Loss Control Shared Services vehicles	100.00
9/29/2021	2021 Yorba Linda State of the City in Yorba Linda, CA on October 20, 2021 - Registration for Director Nederhood	65.00
9/29/2021	Southern California Water Coalition annual dInner in Long Beach, CA on October 21, 2021 - Registration for Director Nederhood	300.00
10/01/2021	Water Loss Control Technician job posting	145.00
10/07/2021	Southern California Water Coalition annual dInner in Long Beach, CA on October 21, 2021 - Registration for H. Baez and M. Baum-Haley	600.00
10/07/2021	WaterSmart Innovations conference in Las Vegas, NV from October 6-7, 2021 - Accomodations for J. Berg, S. Fetter, and R. Davis	575.73
10/07/2021	ACWA Fall Virtual Conference from December 1-2, 2021 - Registration for Director McVicker	385.00
10/08/2021	Water Use Efficiency lunch on 10/8/21 for staff departure	119.47
10/09/2021	UPS delivery charge on October 5, 2021	67.44
10/13/2021	October 2021 Pre work Screen subscription - Covid-19 Prevention	175.56
10/14/2021	2021 Government Tax Webinar from December 1-2, 2021 - Registration for L. Gunawan	410.00
10/18/2021	15 year anniversary gift card for J. Stalvey	75.00
10/19/2021	New laptop for Financial Analyst and replacement laptop for Network Systems Engineer	3,124.40
10/20/2021	Colorado River Water Users Association conference in Las Vegas, NV from December 14-16, 2021 - Registration for R. Hunter, Director Nederhood, and Director Thomas	1,515.00
10/20/2021	Project Management for Administrative Professionals training webinar on Nov. 1, 2021 - Registration for T. Dubuque, L. Frazier, M. DeCasas, and P. Francisco	250.00
10/20/2021	Annual Governmental GAAP Update Webinar on December 9, 2021 - Registration for H. Chumpitazi	135.00
Total:		8,792.63

Cal Card Charges
Statement Date: October 22, 2021
Payment Date: November 29, 2021

Date	Description	Amount
Public Affairs Card:		
9/23/2021	9/23-10/1/21 Additional Zoom Video Communications monthly fee with audio licenses	14.99
9/27/2021	Video switching device for Water Policy Forum & Dinners	95.90
9/30/2021	Decorations for Water Policy Forum & Dinner on 9/30/21	15.28
10/02/2021	10/2-11/1/21 Zoom Video Communications monthly fee with audio licenses	174.93
10/03/2021	October 2021 Public Storage Unit for Public Affairs	294.00
10/06/2021	PRSA Annual membership renewal for T. Baca	335.00
10/14/2021	10/14/21 USPS to ship Ricky Puppets to School Program vendor	8.80
Total:		938.90

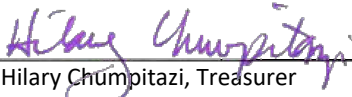
WEROC Card:

9/26/2021	Annual Blink Subscription Plus Plan	100.00
10/01/2021	10/1/21 Lunch meeting with staff and former WEROC Emergency Manager	75.66
Total:		175.66

Municipal Water District of Orange County
GM Approved Disbursement Report⁽¹⁾
For the Month of November 2021

Name/ Date	Check/ EFT	Invoice	Description	Amount
Core Disbursements:				
El Toro Water District				
11/15/2021	140546	OCT21 OC-RCL14	Interim LRP payment for October 2021 entry month	14,630.00
Total				14,630.00
Santa Margarita Water District				
11/15/2021	EFT	OCT21 OC-RCL12	Interim LRP payment for October 2021 entry month	22,800.00
Total				22,800.00
Total Core Disbursements				37,430.00
Choice Disbursements:				
Total Choice Disbursements				-
Other Funds Disbursements:				
Total Other Funds Disbursements				-
Total Disbursements				37,430.00


 Robert J. Hunter, General Manager


 Hilary Chummitazi, Treasurer

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



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

Street Address:
 18700 Ward Street
 Fountain Valley, California 92708

Mailing Address:
 P.O. Box 20895
 Fountain Valley, CA 92728-0895

(714) 963-3058
 Fax: (714) 964-9389
www.mwdoc.com

Sat Tamaribuchi
President

Megan Yoo Schneider, P.E.
Vice President

Al Nederhood
Director

Larry D. Dick
Director

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

Karl W. Seckel, P.E.
Director

Jeffrey M. Thomas
Director

Robert J. Hunter
General Manager

MEMBER AGENCIES

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

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

Fund	Book Value	% of Portfolio
Designated Reserves		
General Operations	\$3,738,505	20.44%
Grant & Project Cash Flow	1,500,000	8.20%
Election Expense	1,333,000	7.29%
Building Repair	436,542	2.39%
OPEB	297,147	1.62%
Total Designated Reserves	7,305,194	39.94%
General Fund	8,841,878	48.34%
Water Fund	1,555,726	8.50%
Conservation Fund	(796,769)	(4.36%)
WEROC Fund	1,369,004	7.48%
Trustee Activities	19,173	0.10%
Total	\$18,294,206	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	0.71%	\$130,586	\$130,586
Short-term investment			
• LAIF	22.17%	4,055,442	4,055,442
• OCIP	60.17%	11,008,009	11,008,009
Long-term investment			
• US Government Issues	1.37%	249,894	247,557
• Corporate Bond	7.65%	1,400,275	1,375,461
• Certificates of Deposit	7.93%	1,450,000	1,501,457
Total	100.00%	\$18,294,206	\$18,318,512

The average number of days to maturity/call as of October 31, 2021 equaled 91 and the average yield to maturity is 0.630%. During the month, the District's average daily balance was \$28,883,650.98. Funds were invested in US Bank Money Market, Negotiable Certificate of Deposits, Corporate Bonds, US Government Issues, the Local Agency Investment Funds (LAIF) and the Orange County Investment Pool (OCIP) during the month of October 2021.

The \$24,306 difference between the book value and the market value on October 31, 2021 represents the exchange difference if all investments had been liquidated on that date. Since it is the District's practice to "buy and hold" investments until maturity, the market values are a point of reference, not an indication of actual loss or gain. There are no current plans or cash flow requirements identified in the near future that would require the sale of these securities prior to maturity.

Robert J. Hunter
General Manager

Hilary Chumpitazi
Treasurer



MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Portfolio Management - Portfolio Summary October 31, 2021

10/31/2021	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Negotiable Certificate Of Deposit	1,450,000.00	1,501,457.00	1,450,000.00	7.98	860	2.440
Corporate Bond	1,400,000.00	1,375,460.50	1,400,274.82	7.71	270	1.341
US Government Issues	250,000.00	247,557.50	249,894.33	1.38	26	0.860
Local Agency Investment Funds	4,055,441.65	4,055,441.65	4,055,441.65	22.33	1	0.197
Orange County Investment Pool	11,008,009.02	11,008,009.02	11,008,009.02	60.60	1	0.456
Total Investments	18,163,450.67	18,187,925.67	18,163,619.82	100.00	91	0.630

Cash						
Cash	130,586.12	130,586.12	130,586.12		1	0.00
Total Cash and Investments	18,294,036.79	18,318,511.79	18,294,205.94		91	0.630

Total Earnings	Month Ending October	Fiscal Year to Date
Current Year	11,319.86	47,581.05
Average Daily Balance	28,883,650.98	
Effective Rate of Return	0.630%	

We certify that this report reflects the cash and investments of the Municipal Water District of Orange County and is in conformity with the Government Code requirements and the District Investment Policy and Guidelines in effect at the time of investment. The Investment Program herein shown provides sufficient cash flow liquidity to meet the next six month's estimated expenditure. The source for the market values are from U.S. Bank. Per Resolution 2059 there are no compliance exceptions to report.


Robert J. Hunter, General Manager

11/30/2021
Date


Hilary Chumtipitzi, Treasurer

11/30/2021
Date

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

Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Negotiable Certificate Of Deposit									
Barclays Bank	06740KKY2	9/27/2017	250,000.00	254,780.00	250,000.00	2.250	2.250	331	9/27/2022
Capital One Bank	14042TBQ9	8/7/2019	250,000.00	260,725.00	250,000.00	2.250	2.250	1,011	8/7/2024
Capital One NA	14042RMJ7	7/24/2019	250,000.00	260,307.50	250,000.00	2.200	2.200	997	7/24/2024
Discover Bank	254673RV0	7/25/2018	250,000.00	262,572.50	250,000.00	3.300	3.300	632	7/25/2023
Goldman Sachs Bank	38148PT98	8/8/2018	250,000.00	263,020.00	250,000.00	3.350	3.350	646	8/8/2023
Sallie Mae Bank	7954507A7	7/14/2021	200,000.00	200,052.00	200,000.00	1.000	1.000	1,717	7/14/2026
Sub Total			1,450,000.00	1,501,457.00	1,450,000.00	2.440	2.440	860	
US Government Issues									
FHLB	3130ALGR9	3/1/2021	250,000.00	247,557.50	249,894.33	0.850	0.860	26	2/26/2026
Sub Total			250,000.00	247,557.50	249,894.33	0.850	0.860	26	
Corporate Bond									
Bank of America Corp	06048WK41	12/7/2020	250,000.00	241,700.00	250,000.00	0.650	0.800	25	11/25/2025
Citigroup Global Markets	17328WFZ6	9/16/2020	250,000.00	242,342.50	250,000.00	1.000	1.000	46	9/16/2025
JP Morgan Chase	48128GV56	8/18/2020	250,000.00	240,775.00	250,000.00	0.800	0.800	1,022	8/18/2025
National Rural Util Coop	63743FE51	7/27/2017	200,000.00	202,772.00	200,000.00	2.500	2.500	257	7/15/2022
Societe Generale	83369MD25	8/19/2020	250,000.00	244,945.00	250,000.00	1.000	1.088	19	8/19/2025
Westpac Banking Corp	961214DQ3	7/25/2017	200,000.00	202,926.00	200,274.82	2.500	2.278	240	6/28/2022
Sub Total			1,400,000.00	1,375,460.50	1,400,274.82	1.330	1.341	270	
Total Investments			3,100,000.00	3,124,475.00	3,100,169.15	1.810	1.816	526	
Total Earnings									
Current Year			4,757.85		18,861.35				

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

Investments	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Local Agency Investment Funds									
LAIF LGIP	LAIF	6/30/2010	4,055,441.65	4,055,441.65	4,055,441.65	0.197	0.197	1	N/A
Sub Total			4,055,441.65	4,055,441.65	4,055,441.65	0.197	0.197	1	
Orange County Investment Pool									
County of Orange LGIP	OCIP	6/29/2005	11,008,009.02	11,008,009.02	11,008,009.02	0.456	0.456	1	N/A
Sub Total			11,008,009.02	11,008,009.02	11,008,009.02	0.456	0.456	1	
Total Investments			15,063,450.67	15,063,450.67	15,063,450.67	0.386	0.386		
Cash									
Petty Cash Cash	CASH	7/1/2010	500.00	500.00	500.00	0.000	0.000	1	N/A
US Bank Cash	CASHUSBANK	7/25/2018	130,086.12	130,086.12	130,086.12	0.000	0.000	1	N/A
Total Cash			130,586.12	130,586.12	130,586.12	0.000	0.000	1	
Total Cash and Investments			15,194,036.79	15,194,036.79	15,194,036.79	0.386	0.386	1	
Total Earnings									
Current Year			6,562.01						28,719.70

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



MUNICIPAL WATER DIST OF ORANGE COUNTY
PARS Post-Employment Benefits TrustAccount Report for the Period
10/1/2021 to 10/31/2021Rob Hunter
General Manager
Municipal Water Dist of Orange County
18700 Ward Street
Fountain Valley, CA 92708

Account Summary

Source	Balance as of 10/1/2021	Contributions	Earnings	Expenses	Distributions	Transfers	Balance as of 10/31/2021
OPEB	\$2,746,565.22	\$0.00	\$72,487.23	\$1,388.36	\$0.00	\$0.00	\$2,817,664.09
PENSION	\$966,592.62	\$0.00	\$25,510.27	\$488.58	\$0.00	\$0.00	\$991,614.31
Totals	\$3,713,157.84	\$0.00	\$97,997.50	\$1,876.94	\$0.00	\$0.00	\$3,809,278.40

Investment Selection

Source

OPEB **Moderate HighMark PLUS**
PENSION **Moderate HighMark PLUS**

Investment Objective

Source

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

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

Investment Return

Source	1-Month	3-Months	1-Year	Annualized Return			Plan's Inception Date
				3-Years	5-Years	10-Years	
OPEB	2.64%	1.04%	19.84%	11.88%	9.69%	8.34%	10/26/2011
PENSION	2.64%	1.01%	19.81%	11.85%	-	-	7/31/2018

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

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

**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
COMBINED FINANCIAL STATEMENTS
AND
BUDGET COMPARATIVE
JULY 1, 2021 THRU OCTOBER 31, 2021**

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

	<u>Amount</u>
<u>ASSETS</u>	
Cash in Bank	130,586.12
Investments	18,163,619.82
Accounts Receivable	41,417,672.03
Accounts Receivable - Other	71,135.42
Accrued Interest Receivable	30,671.36
Prepays/Deposits	486,595.74
Leasehold Improvements	6,059,805.67
Furniture, Fixtures & Equipment	780,261.60
Less: Accumulated Depreciation	<u>(3,496,763.45)</u>
TOTAL ASSETS	<u>63,643,584.31</u>
<u>LIABILITIES AND FUND BALANCES</u>	
<u>LIABILITIES</u>	
Accounts Payable	40,625,648.25
Accounts Payable - Other	64.82
Accrued Salaries and Benefits Payable	703,058.54
Other Liabilities	2,353,860.00
Unearned Revenue	<u>443,410.26</u>
TOTAL LIABILITIES	<u>44,126,041.87</u>
<u>FUND BALANCES</u>	
<u>Restricted Fund Balances</u>	
Water Fund - T2C	<u>1,034,459.42</u>
Total Restricted Fund Balances	<u>1,034,459.42</u>
<u>Unrestricted Fund Balances</u>	
<u>Designated Reserves</u>	
General Operations	3,738,505.00
Grant & Project Cash Flow	1,500,000.00
Election Expense	1,333,000.00
Building Repair	436,542.00
OPEB	<u>297,147.00</u>
Total Designated Reserves	<u>7,305,194.00</u>
General Fund	3,566,614.99
General Fund Capital	964,158.72
WEROC Capital	159,687.58
WEROC	<u>246,196.60</u>
Total Unrestricted Fund Balances	<u>12,241,851.89</u>
<u>Excess Revenue over Expenditure</u>	
Operating Fund	6,193,647.19
Other Funds	<u>47,583.94</u>
TOTAL FUND BALANCES	<u>19,517,542.44</u>
TOTAL LIABILITIES AND FUND BALANCES	<u>63,643,584.31</u>

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

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Encumbrance</u>	<u>Budget Remaining</u>
<u>REVENUES</u>						
Retail Connection Charge	0.00	8,357,232.00	8,357,232.00	100.00%	0.00	0.00
Ground Water Customer Charge	0.00	335,385.00	335,385.00	100.00%	0.00	0.00
Water Rate Revenues	0.00	8,692,617.00	8,692,617.00	100.00%	0.00	0.00
Interest Revenue	11,224.06	47,137.31	220,000.00	21.43%	0.00	172,862.69
Subtotal	11,224.06	8,739,754.31	8,912,617.00	98.06%	0.00	172,862.69
Choice Programs	6,654.96	1,238,129.73	1,515,775.00	81.68%	0.00	277,645.27
Miscellaneous Income	1,400.00	1,911.28	3,000.00	63.71%	0.00	1,088.72
Revenue - Other	0.00	1,360.00	0.00	0.00%	0.00	(1,360.00)
School Contracts	3,399.00	4,326.00	120,895.00	3.58%	0.00	116,569.00
Transfer-In from Reserve	0.00	0.00	95,745.00	0.00%	0.00	95,745.00
Subtotal	11,453.96	1,245,727.01	1,735,415.00	71.78%	0.00	489,687.99
TOTAL REVENUES	22,678.02	9,985,481.32	10,648,032.00	93.78%	0.00	662,550.68

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

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Encumbrance</u>	<u>Budget Remaining</u>
<u>EXPENSES</u>						
Salaries & Wages	334,417.59	1,387,249.18	4,178,542.00	33.20%	0.00	2,791,292.82
Salaries & Wages - Grant Recovery	0.00	(6,304.44)	(18,665.00)	(33.78)%	0.00	(12,360.56)
Director's Compensation	22,592.67	87,751.24	288,800.00	30.38%	0.00	201,048.76
MWD Representation	12,442.34	46,167.63	165,029.00	27.98%	0.00	118,861.37
Employee Benefits	113,322.42	437,684.42	1,356,730.00	32.26%	0.00	919,045.58
Employee Benefits - Grant Recovery	0.00	(1,569.28)	0.00	0.00%	0.00	1,569.28
CalPers Unfunded Liability Contribution	0.00	207,000.00	207,000.00	100.00%	0.00	0.00
Director's Benefits	9,556.64	37,593.07	161,248.00	23.31%	0.00	123,654.93
Health Insurance for Retirees	6,916.01	29,389.64	101,099.00	29.07%	0.00	71,709.36
Training Expense	8,782.50	12,241.50	52,000.00	23.54%	908.10	38,850.40
Tuition Reimbursement	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
Temporary Help Expense	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
Personnel Expenses	508,030.17	2,237,202.96	6,501,783.00	34.41%	908.10	4,263,671.94
Engineering Expense	30,215.50	56,925.00	380,000.00	14.98%	415,023.25	(91,948.25)
Legal Expense	13,293.06	72,279.20	225,000.00	32.12%	152,720.80	0.00
Audit Expense	13,000.00	18,000.00	30,220.00	59.56%	7,220.00	5,000.00
Professional Services	73,436.70	217,909.94	1,475,640.00	14.77%	924,045.28	333,684.78
Professional Fees	129,945.26	365,114.14	2,110,860.00	17.30%	1,499,009.33	246,736.53
Conference - Staff	1,075.00	6,440.00	44,560.00	14.45%	0.00	38,120.00
Conference - Directors	1,760.00	5,355.00	16,845.00	31.79%	0.00	11,490.00
Travel & Accom. - Staff	1,982.78	3,001.76	69,825.00	4.30%	0.00	66,823.24
Travel & Accom. - Directors	10.00	36.44	21,250.00	0.17%	0.00	21,213.56
Travel & Conference	4,827.78	14,833.20	152,480.00	9.73%	0.00	137,646.80
Membership/Sponsorship	5,335.00	51,391.20	143,041.00	35.93%	0.00	91,649.80
CDR Support	13,797.33	27,594.66	65,249.00	42.29%	27,594.65	10,059.69
Dues & Memberships	19,132.33	78,985.86	208,290.00	37.92%	27,594.65	101,709.49
Business Expense	197.20	682.65	2,500.00	27.31%	0.00	1,817.35
Office Maintenance	10,188.12	33,946.49	147,400.00	23.03%	102,218.99	11,234.52
Building Repair & Maintenance	647.04	8,272.93	15,000.00	55.15%	10,212.60	(3,485.53)
Storage Rental & Equipment Lease	52.25	265.64	1,800.00	14.76%	534.36	1,000.00
Office Supplies	442.60	3,313.52	35,000.00	9.47%	4,271.02	27,415.46
Supplies - Water Loss Control	0.00	98.50	4,000.00	2.46%	0.00	3,901.50
Postage/Mail Delivery	836.86	3,028.31	9,243.00	32.76%	1,715.87	4,498.82
Subscriptions & Books	120.00	120.00	1,000.00	12.00%	0.00	880.00
Reproduction Expense	0.00	756.27	82,700.00	0.91%	5,443.73	76,500.00
Maintenance - Computers	100.60	1,906.23	8,000.00	23.83%	1.08	6,092.69
Software Purchase	14,720.78	20,942.49	36,040.00	58.11%	184.93	14,912.58
Software Support	795.92	16,656.81	48,640.00	34.25%	0.00	31,983.19
Computers and Equipment	3,124.40	9,491.14	23,450.00	40.47%	8,000.09	5,958.77
Maintenance Expense	0.00	0.00	6,000.00	0.00%	2,580.49	3,419.51
Automotive Expense	129.05	308.99	16,000.00	1.93%	0.00	15,691.01
Vehicle Expense	136.59	1,171.88	5,800.00	20.20%	0.00	4,628.12
Toll Road Charges	100.00	200.00	1,250.00	16.00%	0.00	1,050.00
Insurance Expense	12,389.44	48,362.84	130,000.00	37.20%	0.00	81,637.16
Utilities - Telephone	4,198.87	12,923.05	42,840.00	30.17%	912.24	29,004.71
Bank Fees	603.45	1,256.80	3,200.00	39.28%	0.00	1,943.20
Miscellaneous Expense	2,291.43	13,257.53	85,181.00	15.56%	3,632.76	68,290.71
MWDOC's Contrb. to WEROC	21,695.50	86,782.00	260,346.00	33.33%	0.00	173,564.00
Depreciation Expense	0.00	17,581.92	0.00	0.00%	0.00	(17,581.92)
Other Expenses	72,770.10	281,325.99	965,390.00	29.14%	139,708.16	544,355.85
Capital Aquisition	58,063.30	244,964.01	267,256.00	91.66%	105,802.40	(83,510.41)
Building Expense	135,711.90	569,407.97	441,973.00	128.83%	334,341.69	(461,776.66)
TOTAL EXPENSES	928,480.84	3,791,834.13	10,648,032.00	35.61%	2,107,364.33	4,748,833.54
NET INCOME (LOSS)	(905,802.82)	6,193,647.19				

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

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Budget Remaining</u>
<u>WATER REVENUES</u>					
Water Sales	20,894,364.90	74,929,400.60	155,126,337.00	48.30%	80,196,936.40
Readiness to Serve Charge	926,009.00	3,704,036.03	11,142,354.00	33.24%	7,438,317.97
Capacity Charge CCF	394,384.17	1,577,536.68	4,732,610.00	33.33%	3,155,073.32
SCP/SAC Pipeline Surcharge	27,687.12	130,548.48	315,000.00	41.44%	184,451.52
Interest Revenue	285.37	1,232.59	10,500.00	11.74%	9,267.41
TOTAL WATER REVENUES	22,242,730.56	80,342,754.38	171,326,801.00	46.89%	90,984,046.62
<u>WATER PURCHASES</u>					
Water Sales	20,894,364.90	74,929,400.60	155,126,337.00	48.30%	80,196,936.40
Readiness to Serve Charge	926,009.00	3,704,036.03	11,142,354.00	33.24%	7,438,317.97
Capacity Charge CCF	394,384.17	1,577,536.68	4,732,610.00	33.33%	3,155,073.32
SCP/SAC Pipeline Surcharge	27,687.12	130,548.48	315,000.00	41.44%	184,451.52
TOTAL WATER PURCHASES	22,242,445.19	80,341,521.79	171,316,301.00	46.90%	90,974,779.21
EXCESS OF REVENUE OVER EXPENDITURE	285.37	1,232.59	10,500.00	11.74%	9,267.41

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

	<u>Year to Date Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
Spray To Drip Conversion			
Revenues	9,420.13	117,480.00	8.02%
Expenses	18,658.60	117,480.00	15.88%
Excess of Revenues over Expenditures	(9,238.47)		
Member Agency Administered Pass-Thru			
Revenues	55,842.00	573,201.00	9.74%
Expenses	47,022.00	573,201.00	8.20%
Excess of Revenues over Expenditures	8,820.00		
ULFT Rebate Program			
Revenues	110.00	2,000.00	5.50%
Expenses	170.00	2,000.00	8.50%
Excess of Revenues over Expenditures	(60.00)		
HECW Rebate Program			
Revenues	21,392.85	84,300.00	25.38%
Expenses	21,330.00	84,300.00	25.30%
Excess of Revenues over Expenditures	62.85		
CII Rebate Program			
Revenues	0.00	6,500.00	0.00%
Expenses	0.00	6,500.00	0.00%
Excess of Revenues over Expenditures	0.00		
Turf Removal Program			
Revenues	206,421.30	993,924.00	20.77%
Expenses	238,615.21	993,924.00	24.01%
Excess of Revenues over Expenditures	(32,193.91)		
Comprehensive Landscape (CLWUE)			
Revenues	87,001.50	303,100.00	28.70%
Expenses	122,952.99	303,100.00	40.57%
Excess of Revenues over Expenditures	(35,951.49)		
Recycled Water Program			
Revenues	0.00	40,000.00	0.00%
Expenses	0.00	40,000.00	0.00%
Excess of Revenues over Expenditures	0.00		
WSIP - Industrial Program			
Revenues	0.00	45,000.00	0.00%
Expenses	0.00	45,000.00	0.00%
Excess of Revenues over Expenditures	0.00		
Land Design Program			
Revenues	15,623.00	297,330.00	5.25%
Expenses	79,926.25	297,330.00	26.88%
Excess of Revenues over Expenditures	(64,303.25)		
Total WUE Projects			
Revenues	395,810.78	2,462,835.00	16.07%
Expenses	528,675.05	2,462,835.00	21.47%
Excess of Revenues over Expenditures	(132,864.27)		
WEROC			
Revenues	347,128.00	520,692.00	66.67%
Expenses	171,590.43	520,692.00	32.95%
Excess of Revenues over Expenditures	175,537.57		



ACTION ITEM
December 8, 2021

TO: Board of Directors

FROM: **Administration & Finance Committee**
(Directors McVicker, Thomas, Dick)

Robert J. Hunter
General Manager

Staff Contact: Hilary Chumpitazi, Accounting Manager

**SUBJECT: AUTHORIZE CONTRACT REGARDING IT NETWORK AND SECURITY
CONTROL ASSESSMENT**

STAFF RECOMMENDATION

It is recommended that the Board of Directors authorize the General Manager to enter into an agreement with Tevora Solutions for a Critical Security Controls Review of IT in the amount of \$37,000.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

Due to recent events within our IT environment, it is recommended to conduct a network and security control assessment. Staff spoke with four companies and received a Statement of Work from each. West Yost provided two quotes. The first was the most expensive of all companies at \$47,625. West Yost then provided a second quote for services consisting of \$33,840, however, that quote did not meet needs of MWD OC. Breeze It, is a small company that only uses software to perform their assessment for \$7,500 and could not provide an all-inclusive plan for overall mitigation measures regarding our system and processes. Greenlight submitted a quote for \$22,970, but this company has a broad approach only asking interview type questions of IT and HR and not analyzing the infrastructure currently in place.

Budgeted (Y/N): N	Budgeted amount:	Core <u>X</u>	Choice _
Action item amount: \$37,000			
Fiscal Impact (explain if unbudgeted): Funds will come from Reserves if needed			

Tevora will review our current network architecture determining its overall effectiveness and identify areas of improvement based on the Critical Security Framework (set of guidelines for mitigating organizational cybersecurity risks) and COBIT 5 Maturity Model (a framework

used for the governance of enterprise IT supporting the business objectives of an organization). Activities will include infrastructure discovery, review and assessments; network security review and a presentation of findings and recommendations. They will also deliver a Security Control Review Report that will provide maturity ratings for all controls as well as recommendations to increase security and efficiency of our IT system.

Staff recommends Option #1.

BOARD OPTIONS

Option #1

- Authorize the General Manager to enter into an agreement with Tevora Solutions for a Critical Security Controls Review of IT in the amount of \$37,000

Fiscal Impact: \$37,000 will come from any remaining funds in IT's Cost Center and the rest will come from reserves.

Business Analysis: Using a third party to conduct a network and security control assessment will provide much needed details about how secure and functional our IT environment is and will provide details of where we are deficient.

Option #2

- Do not authorize the General Manager to enter into an agreement with Tevora Solutions for a Critical Security Controls Review of IT in the amount of \$37,000

Fiscal Impact: None

Business Analysis: Trust that IT is secure enough to continue functioning as is.



Item No. 5

ACTION ITEM December 8, 2021

TO: Board of Directors

FROM: **Administration & Finance Committee**
(Directors McVicker, Thomas, Dick)

Robert J. Hunter
General Manager

Staff Contact: Cathy Harris

**SUBJECT: APPROVE REVISIONS TO SECTION 3307 OF THE PERSONNEL
MANUAL REGARDING RETIREE MEDICAL BENEFITS**

STAFF RECOMMENDATION

It is recommended the Board of Directors approve revisions to Personnel Manual, Section 3307, Retiree Medical Benefits, as presented; and direct staff to amend the Retiree Health Plan, establishing the reimbursement amount for retirees with 10 years of service to be based on the standard Part B premium amount established by Medicare each year, (Option 1).

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

In reviewing procedures for processing retiree health care reimbursements, it was determined that some housekeeping changes to Section 3307 of the Retiree Policy regarding Retiree Medical Benefits are needed to assist with processing reimbursements and to provide clarity to retirees submitting for reimbursement. Attached for review are the proposed revisions. Note that a new section was added, Section 3307.3 – Process for Reimbursement which addresses reimbursement for both the 10- and 25-year plans.

Budgeted (Y/N): Y	Budgeted amount: \$101,099	Core X	Choice _
Action item amount: \$965			
Fiscal Impact (explain if unbudgeted): There are sufficient funds in the current cost center to cover this additional expense. The decrease in health insurance premiums for 2022 will offset the additional cost.			

Medicare recently released the 2022 monthly premium rate for standard Part B will be \$170.10. This equates to a 14.5% increase over 2021 or \$2041.20/annually. Currently, under the District's Retiree Health Policy, retirees with 10 years of service may submit for reimbursement up to \$1,800 annually, for Medicare Part B coverage, a Medicare Advantage Plan, a supplemental Medigap policy, or a Medicare Prescription Drug plan covering the retiree only.

The 10 year service Retiree Policy was first established in 1987 in the amount of \$1,000. The reimbursement amount was increased in 1997 to \$1,800 and has been in effect since. When the policy was established, the intent was to reimburse the retiree for the purchase of a supplemental insurance policy to help reduce out of pocket expenses that were not covered under Medicare. Over the years, the District revised its policy to allow the \$1,800 reimbursement to go towards a Medicare Advantage Plan, Medicare Prescriptions Drug Insurance (Part D), or the retiree's Medicare Part B coverage.

Medicare Part B monthly premiums for the last 10 years are shown below:

Year	Premium Amount
2012	\$99.90
2013	\$104.90
2014	\$104.90
2015	\$104.90
2016	\$121.80
2017	\$134.00
2018	\$134.00
2019	\$135.50
2020	\$144.60
2021	\$148.50

The Medicare Part B premiums vary each year and one factor is the annual Social Security Cost of Living Adjustment (COLA). Social Security recently reported a 5.9% COLA will be going into effect in January 2022. The 2022 Medicare Part B premium increase is being partially attributed to the pandemic and a costly new Alzheimer's drug.

All Medicare recipients pay a monthly premium for Medicare Part B which is typically deducted from one's Social Security check. If a retiree does not receive Social Security, they are billed monthly for the Part B premium. If the retiree's modified adjusted gross income is above a certain amount, they pay an Income Related Monthly Adjustment Amount (IRMAA) (see chart below). Medicare uses the modified adjusted gross income reported on the retiree's IRS tax return from 2 years ago to determine the Medicare Part B Premium amount. It is the most recent tax return information provided to Social Security by the IRS.

2021

The standard Part B premium amount in 2021 is \$148.50. Most people pay the standard Part B premium amount. If your modified adjusted gross income as reported on your IRS tax return from 2 years ago is above a certain amount, you'll pay the standard premium amount and an Income Related Monthly Adjustment Amount (IRMAA). IRMAA is an extra charge added to your premium.

If your yearly income in 2019 (for what you pay in 2021) was			You pay each month (in 2021)
File individual tax return	File joint tax return	File married & separate tax return	
\$88,000 or less	\$176,000 or less	\$88,000 or less	\$148.50
above \$88,000 up to \$111,000	above \$176,000 up to \$222,000	Not applicable	\$207.90
above \$111,000 up to \$138,000	above \$222,000 up to \$276,000	Not applicable	\$297.00
above \$138,000 up to \$165,000	above \$276,000 up to \$330,000	Not applicable	\$386.10
above \$165,000 and less than \$500,000	above \$330,000 and less than \$750,000	above \$88,000 and less than \$412,000	\$475.20
\$500,000 or above	\$750,000 or above	\$412,000 or above	\$504.90

Being that the \$1,800 reimbursement amount for retirees with 10 years of service has been in effect for 24 years, and will be below the 2022 standard Medicare Part B premium amount, staff is recommending the policy be revised, establishing the Part B premium reimbursement amounts in accordance with the standard Medicare Part B premium, as established by Medicare each year. This would provide a consistent reference point that determines the reimbursement amounts for retirees with 10 years of service.

Four retirees are currently receiving this benefit at a total annual cost of approximately \$7,200. If the Board establishes the reimbursement for retirees to be consistent with the standard Medicare Part B premium, the annual amount for 2022 would be \$2041.20 per retiree for an annual cost of approximately \$8,165. The total amount is based on retirees currently seeking reimbursement. The financial impact of \$965/year would still be within the budgeted amount. Within the next five years, there could be a total of 8 retirees eligible for the 10 year plan. Also, note that in 2012, the Board revised the Retiree Health Benefits Policy to apply to those Regular Full-time Employees hired prior to July 1, 2012, therefore employees hired after that period are not eligible to receive Retiree Health and Welfare Benefits.

BOARD OPTIONS

Option #1 – It is recommended the Board of Directors approve revisions to the Personnel Manual, Section 3307 as presented; and direct staff to amend the Retiree Health Plan, establishing the reimbursement amount for retirees with 10 years of service to be based on the standard Part B Premium amount established by Medicare each year.

Fiscal Impact: \$965

Business Analysis: The revisions to the Personnel Manual helps to clarify the policy to assist with processing of reimbursements and to the retirees when requesting reimbursement. In addition, the maximum \$1,800 reimbursement amount for the 10 year retiree plan has been in effect for 24 years. Due to rising health care costs and to reduce out of pocket costs, establishing the reimbursement amount based on the standard Medicare Part B Premium would help to stay current with the rising costs and provide consistency in having a reference point when applying the policy.

Option #2

- Approve the revisions to the Personnel Manual, Section 3307, as presented; and do not make any changes to the current \$1,800 reimbursement amount for the 10 year retiree plan.

Fiscal Impact: None

Business Analysis: The revisions to the Personnel Manual helps to clarify the policy to assist with processing of reimbursements and to the retirees when requesting reimbursement. Leaving the \$1,800 reimbursement amount in place will require more out of pocket expenses by the Retirees, as the Medicare Part B Premiums will continue to increase.

Option #3

- Approve revisions to the Personnel Manual, Section 3307, as presented; and modify the maximum \$1,800 reimbursement amount to the Consumer Price Index (CPI) inflation adjusted amount of \$3,080.82. This option would cover some of the cost for retirees who may incur the IRMAA in addition to the standard Part B premium.

Fiscal Impact: \$5,123.28

Business Analysis: The revisions to the Personnel Manual helps to clarify the policy to assist with processing of reimbursements and to the retirees when requesting reimbursement. Establishing the reimbursement amount to the CPI inflation adjusted amount of \$3,080.82 is the current purchasing power of the \$1,800 that was established by the Board in 1997.

Please note the highlighted sections are those that have been moved to another area within the document.

Also, note that language changing the reimbursement amount has not been revised, until input from the Board is received.

3307 RETIREE MEDICAL BENEFITS

Retiree health and welfare benefits upon retirement (Applies to Regular Full- Time employees hired prior to July 1, 2012)

The District shall provide retiree health and welfare benefits as set forth in this policy for retired employees who are at least 55 years of age, including their spouses or domestic partner registered with the State of California (at the time of retirement), and that have accrued a specified number of years of service.

In order to be eligible for retiree medical benefits, there shall be no lapse in service. Employee must transfer directly from active status directly to retired status.

3307.1 10 Years of Service

Employees with a minimum of 10 consecutive years of full-time service with the District shall receive retiree medical benefits on the following terms:

- Retirees are not eligible for District paid dental and vision benefits.
- Retiree will have the option to continue participation in dental and vision coverage at their own cost in accordance with the Consolidated Omnibus Reconciliation Act (COBRA).
- The District shall pay health coverage premiums for retiree only or couples coverage on the same basis as active employees.
- The District does not make contributions to Health Savings Accounts (HSAs) on behalf of retirees.
- Once the retiree becomes Medicare eligible, coverage will cease for the retiree and any enrolled dependents. COBRA enrollment will be offered at that time.
- Upon becoming Medicare eligible, the retiree must enroll in Medicare in order to obtain reimbursement from the District. The District will not reimburse the retiree for any penalties associated with deferred enrollment in Medicare.
- ~~District will reimburse the retiree, up to \$1,800 per calendar year, for a Medicare Advantage Plan, a supplemental Medigap insurance policy, Medicare Prescription Drug Insurance (Part D) or Medicare Part B coverage covering the retiree only.~~
- ~~Reimbursement will be made to the retiree on a quarterly basis upon submission of proof of payment.~~
- In the event a spouse or registered domestic partner survives a retiree before the District-paid group coverage would normally end, the District will

continue paying the premium for the surviving spouse or registered domestic partner for retiree only coverage until the earliest to occur of the following: remarriage or enrollment under another plan, or becoming eligible for Medicare.

- If retiree discontinues enrollment in a retiree medical care plan, re-enrollment is not permitted.
- Annual open enrollment is not offered to retirees.

3307.2 25 Years of Service

Employees with a minimum of 25 consecutive years of full-time service with the District shall receive retiree medical benefits on the following terms:

- The District shall pay health coverage premiums for retiree only or couples coverage on the same basis as active employees.
- The District does not make contributions to Health Savings Accounts (HSAs) on behalf of retirees.
- Retirees and spouses or registered domestic partners are eligible to participate in the District's Dental and Vision Insurance Plan as follows:
 - Dental
 - Retiree Only Coverage: The District shall pay the monthly insurance premiums on the same basis as active employees.
 - Couples Coverage: The District shall pay 80% of the monthly premium for retiree plus spouse or registered domestic partner.
 - Vision
 - Retiree Only Coverage: The District shall pay the monthly insurance premiums on the same basis as active employees.
 - Couples Coverage: The District shall pay 80% of the monthly insurance premiums.
- Retirees and their spouses are required to enroll in Medicare parts A and B upon eligibility. This must occur when both criteria are met, Medicare eligible and retired. The District will not reimburse the retiree for any penalties associated with deferred enrollment in Medicare.
- ~~The District will reimburse for Medicare Part B for both retiree and his/her eligible spouse or registered domestic partner after submitting verification to the District of official enrollment in Medicare Part B. This results in a reduced premium cost to the District.~~
- In the event a spouse or registered domestic partner survives a retiree, the District will continue paying the premium for the surviving spouse or registered domestic partner for retiree only coverage until the earliest to occur of the following: remarriage or enrollment in another group medical plan.
- If retiree discontinues enrollment in a retiree medical care plan, re-

enrollment is not permitted.

- Annual open enrollment is not offered to retirees.

3307.3 Process for Reimbursement:

- Retirees with 10 years of service, the District will reimburse ~~the~~ retiree, up to \$1,800 per calendar year, for a Medicare Advantage Plan, a supplemental Medigap insurance policy, Medicare Prescription Drug Insurance (Part D) or Medicare Part B coverage covering the retiree only.
- Retirees with 25 years of service, The District will reimburse for Medicare Part B for both retiree and his/her eligible spouse or registered domestic partner after submitting verification to the District of official enrollment in Medicare Part B. ~~This results in a reduced premium cost to the District.~~
- Reimbursements will be made ~~to retiree~~ on a quarterly ~~to yearly~~ basis, upon submission of proper documentation, proof of payment
- Proper documentation for reimbursement includes a written or email request to the Finance Department, with the time period requested, amount to be reimbursed and proof of payment.
- Retirees may submit their requests no sooner than the last month of the coverage period being requested.
- Reimbursements submitted with proper documentation will be issued at the end of the following month from the date the request is received.
- Reimbursements are issued via check and mailed to retirees or by ACH payment.
- Reimbursements for eligible expenses incurred in a calendar year must be submitted no later than 30 days after the conclusion of that calendar year.

Retiree Health and Welfare contribution amounts are established in accordance with benefit administrator's plan Guidelines then in effect and as approved by the MWDOC Board.

Employees hired on or after July 1, 2012 are not eligible to receive District-paid retiree health and welfare benefits.



DISCUSSION ITEM
December 6, 2021

TO: Administration & Finance Committee
(Directors McVicker, Thomas, Dick)

FROM: Robert Hunter, General Manager

Staff Contact: Hilary Chumpitazi

SUBJECT: FY 2022-23 Budget

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee: discuss the budget schedule, activities and/or projects they would like added or changed in the budget, and direct the General Manager as appropriate

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

DETAILED REPORT

The General Manager notified the MWDOC Member Agencies in November of the initiation of the budget process. This notification included this year's budget schedule (attached) and invited the Member Agencies to provide their initial budget suggestions and actively participate in the process. Staff has subsequently initiated the program/project planning and line-item budgeting process. The initial review of budget issues with the A&F Committee is scheduled for January 12, 2022 and the review of the first draft budget at the February 9th A&F meeting. Approval of the final budget is scheduled for April 20, 2022 Board of Directors Meeting.

An important component of the budget process is the early input of the MWDOC Directors as to policy and program modifications they believe should be included in the budget. This meeting is the appropriate time for that input. Staff intends to continue the practice by which proposed additions to the budget would be included in the text for discussion and agreement before the expenses were included in the budget financial model.

It is anticipated that MWDOC's reserves will be close to full funding and the revenue goal of the budget will be to be balanced without a substantial draw or addition to reserves.

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

MWDOC BUDGET SCHEDULE

November 2021
<ul style="list-style-type: none"> Notification to Member Agencies of start of budget process and solicitation of input
December 2021
<ul style="list-style-type: none"> MWDOC staff begins preparation of budget hours and costs on program and line-item basis Review of four month actuals and fiscal year-end projections Review budget adjustments for current fiscal year Preparation of internal, draft conceptual budget (review changes for upcoming fiscal year)
January 2022
<ul style="list-style-type: none"> Initial review of budget issues with A&F Committee for feedback (1-12-22) Initial discussion of budget issues with Member Agencies for feedback Request for Member Agencies' <u>preliminary</u> indication of participation in Choice
February 2022
<ul style="list-style-type: none"> Publish and post the FIRST DRAFT Budget in the packet for the A&F Committee (2-4-22) Review Full Draft Budget with A&F Committee (2-9-22) Formally request comments from all Member Agencies <u>DRAFT</u> information completed on prior year Choice WUE program benefits to Member Agencies to serve as basis for charging agencies for the upcoming year for Choice WUE activities Member Agencies' INITIAL CONFIRMATION of participation in Choice Services by February 21. The Updated Agreement by the end of March and after the Elected Officials Meeting Discuss FIRST DRAFT Budget at Member Agency Managers' Meeting (2-17-22) Meet with Member Agencies as requested or scheduled

MWDOC BUDGET SCHEDULE

March 2022
<ul style="list-style-type: none"> Revised information completed on prior year Choice WUE benefits to Member Agencies to serve as basis of charging agencies for the upcoming year for WUE activities
<ul style="list-style-type: none"> Discuss SECOND DRAFT Budget in A&F Committee (3-9-22)
<ul style="list-style-type: none"> Review SECOND DRAFT Budget at Member Agency Managers' Meeting (3-17-22)
<ul style="list-style-type: none"> Update Choice Participation
<ul style="list-style-type: none"> Member Agencies' submit Formal Comments about the Budget (3-25-22)
April 2022
<ul style="list-style-type: none"> Conduct meeting with Elected Officials from Member Agencies to discuss budget and other topics (4-7-22)
<ul style="list-style-type: none"> THIRD DRAFT Budget and Rates presented to A&F Committee (4-13-22)
<ul style="list-style-type: none"> Member Agencies' Formal Comments presented to A&F Committee (4-13-22)
<ul style="list-style-type: none"> Board approval of FY2021-22 FINAL Budget and Rates (4-20-22)
June 2022
<ul style="list-style-type: none"> Member Agencies confirm final Choice Participation (6-10-22)
August 2022
<ul style="list-style-type: none"> Reconciliation of FY 2021-22 WUE & Choice Programs
September 2022
<ul style="list-style-type: none"> REVISED FINAL Choice Budget presented to A&F Committee (9-14-22)
<ul style="list-style-type: none"> Board approval of FY2021-22 REVISED FINAL Choice Budget (9-21-22)

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Fiscal Year 2019-20

***Sole Source Procurement Justification
for Projects under \$25,000****



- A. Supplier Information/Name of Company and Prime Contact at the Supplier and at MWDOC:
Outdoor Dimensions/Shelby Tiede
MWDOC/ Cathy Harris
- B. Contract awards to Supplier over prior 36-months: None
- C. Product(s) or Service(s) to be provided and Deliverables: Office Signs throughout office as required per Code in the amount of \$4,641.39
- D. Justification Definition – Required office signs in compliance with ADA and Fire Code based on recent remodel work performed – Urgent necessity
- E. Narrative Explanation: Outdoor Dimensions specializes in office signage and will install signs throughout the office where required per code. Signs will be customized to blend in with recent office remodel work.
- F. Budget Line Item Reference & Amount: 2000-19-7330
- G. Core or Choice designation: Core
- H. Signature/Approvals:

cathleen harris

11/22/21

Requestor

Date

Robert Hunter

Robert Hunter (Nov 23, 2021 10:47 PST)

Nov 23, 2021

General Manager

Date

* Projects over \$25,000 must go to a Committee of the Board.

** Possible justifications include but are not limited to: Only qualified bidder; Proprietary item; Urgent necessity; Bid process did not produce competitors; Governmental agency, association or Utility; Prior phase of professional services contract completed successfully by same Consultant; and Special technical expertise by Consultant for tasks desired.



Quote QT016759

Date: 11/16/2021

Outdoor Dimensions, LLC
 5325 E Hunter Ave.
 Anaheim, CA, 92807
 Phone: (714) 578-9555 | Fax: (714) 693-5978
 Email: ar@outdoordimensions.com
 Web: www.outdoordimensions.com
 Contractors License #: 1042246

Bill To:			Project:		
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC) ATTN: ACCOUNTS PAYABLE 18700 WARD STREET FOUNTAIN VALLEY CA 92708			MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC) 18700 WARD STREET FOUNTAIN VALLEY CA 92708		
P.O. No.	Customer ID	Salesperson	Ship Method	Terms	Batch ID
	02950	SHELB/BETS		Net 30	Not Contracted
Item No.	QTY.	Description	Unit Price		Ext. Price
1	SN-TAC-PNT-PLX Est #: 28364	14 ROOM ID Produce per comp R2	\$90.00		\$1,260.00
2	SN-TAC-PNT-PLX Est #: 28365	14 OFFICE ID Produce per comp R3	\$85.00		\$1,190.00
3	SN-TAC-PNT-PLX Est #: 28366	4 EXIT SIGNS Produce per comp R2 (Same specs as room ids)	\$70.00		\$280.00
4	SN-TAC-PNT-PLX Est #: 28367	1 MAX OCCUPANCY Produce per comp R2 (Same specs as room ids)	\$70.00		\$70.00
5	SN-TAC-PNT-PLX Est #: 28377	2 RESTROOM SIGNS Produce per comp T.8	\$265.00		\$530.00
6	IN-GEN	1 INSTALLATION Install per plot map attached.	\$1,020.00		\$1,020.00

Prices are valid for 45 days from the date of this contract

Initial By: _____

Date: _____ Deposit: _____

The above items are required (10-12) working production days.

The above prices do not include permits or permitting labor/fees unless noted

Sales Total: \$4,350.00

Tax Total: \$291.39

Total Due: \$4,641.39

COMMERCIAL INK & PAINT DISCLAIMER

Information and disclaimer on our products.

There are a lot of variables that affect the appearance of color. While every endeavor has been made to accurately reproduce colors, there may be minor variations in color of the actual product because of the types of equipment used, ink versus paint colors, finishes, and production.

Whenever an object is viewed, the color seen is a result of the color quality of the light source and the reflective characteristics of the object. So, when attempting to achieve an accurate color match, colors can appear to match under one light source and then appear significantly different under another light source. At Outdoor Dimensions, we match to true light.

Due to the reasons stated above, a reasonable variation in color between the proofs and the completed job will exist.

The lifespan of products will depend on the intended environment of the final product, the colors being used, and the amount of direct sunlight exposure. Prolonged exposure to natural or artificial light may alter the color. Darker colors may fade and paint may oxidize over time as a result of prolonged direct sunlight or overexposure to UV light.

The purchase of products that contain ink or paint from Outdoor Dimensions, LLC constitutes the buyer's acknowledgment of the above, and acceptance of the risks inherent in the use and installation of these products and a waiver of any and all claims which the buyer may have against Outdoor Dimensions, LLC arising from the deterioration of these products.

INSTALLATION DISCLAIMER

- Pricing is based on "normal working conditions":
 - o Easy/direct access to the site/location of signs.
 - o Normal digging conditions (no tough ground, irrigation lines, rocks, or compresses sediment making digging holes abnormally difficult.
 - o The site is ready for installation at the time of the installation crew arrival.
 - o When spotting onsite signage, no time is wasted waiting for onsite contact to determine where signage should be installed.
- For Multifamily installations, a preinstall site inspection will be conducted 3-4 weeks prior to installation. The following questions will be addressed at that time:
 - o Do all signs fit in the areas that they are slotted to be installed?
 - o Is the carpet, tile flooring on each level completed?
 - o Are the walls textured, painted, and completely finished and ready for install?
 - o Are the light fixtures and doorbells installed where signs will be?
 - o Is the striping in the parking areas completed?
 - o Is there scaffolding still up preventing the installation of any exterior signage?
 - o Is there glass installed in the area that we will be applying vinyl?
 - o Is the gate/fencing installed and/or painted where any signage is to be installed (generally this is in the pool area)?
 - o Are there any parking restrictions?
 - o What are the onsite working hours?
 - o If lifts are required for installation, what area(s) on site should they be delivered?
 - o Has the phasing schedule been reviewed with the super?
 - o Are there any other factors that could prevent our installation?
- Access:
 - o In certain situations, a lift or crane is required to install our products. We need clear access to the location free from parked cars or other construction materials or equipment. In some cases, landscaping may have to be damaged to reach the location. In these instances, we will inform the site super upon inspection prior to installation for approval to proceed.
- Liability:
 - o Upon installation of any and all products, Outdoor Dimensions LLC hereby releases any and all liability of future damages incurred to our products thereafter. Additionally, if a relocation or removal is requested after the time of installation, an additional charge will be incurred for travel and labor time expenses.
- Photographs:
 - o Please notify management/residents that Outdoor Dimensions LLC installers will be taking photographs of any and all work completed while onsite.
- Signage Removal & Damage:
 - o Outdoor Dimensions LLC is not responsible for any wall damage that may occur as a result of requested signage removal. The client assumes responsibility for any and all damages to wall texture/paint unless otherwise noted in the scope of work and accounted for in the bid.

NATURAL STONE DISCLAIMER

Information and disclaimer on our products.

Natural Stone is a natural substance formed within the earth. Different types of stone, as well as individual stones within any given type, may vary in texture, color, thickness, density, and durability.

Natural Stone may chip, peel, flake, bleed, stain, oxidize or otherwise deteriorate over time. These attributes should be considered when using stone, especially in any exterior application that may be exposed to weather such as moisture.

Due to the potential expanding and contracting of natural wood, there may be size variations in the materials. This may also cause the layout to be off by up to 6" in width or height.

The actual stone installed may differ from the sample or picture(s) shown.

The purchase of natural stone products from Outdoor Dimensions, LLC constitutes the buyer's acknowledgment of the above, and acceptance of the risks inherent in the use and installation of this natural substance and a waiver of any and all claims which the buyer may have against Outdoor Dimensions, LLC arising from the deterioration of this natural substance.






Sole Source Outdoor Dimensions2021.Nov22

Final Audit Report

2021-11-23

Created:	2021-11-22
By:	cathleen harris (CHarris@mwdoc.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAjMygrVXZ8FdTq31Mj3MURyRTfXRFS3p5

"Sole Source Outdoor Dimensions2021.Nov22" History

-  Document created by cathleen harris (CHarris@mwdoc.com)
2021-11-22 - 9:58:27 PM GMT- IP address: 104.129.199.9
-  Document emailed to Robert Hunter (rhunter@mwdoc.com) for signature
2021-11-22 - 10:00:12 PM GMT
-  Email viewed by Robert Hunter (rhunter@mwdoc.com)
2021-11-23 - 5:49:59 AM GMT- IP address: 172.226.7.54
-  Document e-signed by Robert Hunter (rhunter@mwdoc.com)
Signature Date: 2021-11-23 - 6:47:42 PM GMT - Time Source: server- IP address: 76.89.210.72
-  Agreement completed.
2021-11-23 - 6:47:42 PM GMT

**Administration Activities Report****November 5, 2021 – November 30, 2021**

Activity	Summary
Administration/ Board	<p>Staff worked on the following:</p> <ul style="list-style-type: none">• Scheduled meetings for Rob Hunter and Board members.• Assisted Rob with various write-ups and follow-up for the Committees and Board.• Continue to send the Water Supply Reports to the member agencies.• Processed and reviewed agreements for appropriate Board approval and insurance requirements as well as execution following approval.• Reviewed Insurance documents for all District Agreements.• Responded to two Public Records Act requests.• Updated various portions of the website.• Reviewed Administrative Code and budget regarding conference attendance; worked with staff re Admin Code policies.• Worked with Legal Counsel regarding AB 36.1• Reviewed MWDOC documentation regarding SMWD/San Juan Capistrano consolidation; conferred with SMWD.• Assisted Government Affairs with Policy Principles wording.• Worked with legal counsel regarding division boundary/census issues.• Emailed letter and schedule for the 2022-2023 Budget process to all member agencies.• Zoom Meetings: solicited availability, set-up and hosted Zoom Meetings for General Manager, Engineering, Public Affairs & Governmental Affairs Manager.• Agreements: processed agreements for Engineering.• Provided assistance to Government Affairs with formatting letters.• Registered Staff for various training and conferences and made travel accommodations.• Transcribed interview notes from the MA Facilitated discussions.• Scheduled and hosted Zoom meetings for the MWDOC – Member Agency Facilitated Discussions and Interviews.• Updated electronic letterhead to reflect current MWDOC member agencies.
Records Management	<ul style="list-style-type: none">• Staff continues to review incoming mail and log necessary documents into the Laserfiche system.• Staff continues to review documents and update information in Laserfiche.



	<ul style="list-style-type: none"> Assisted Accounting Department with scanning tax returns for Water Facilities Corporation. Talked with our new ECS rep and discussed timing for upgrading to Laserfiche 11.
Health and Welfare Benefits	<ul style="list-style-type: none"> Open enrollment for 2022 flexible benefits will run from 12/1 – 12/10. Plan information will be emailed to all eligible participants on 12/1 Staff is working on revisions to the Retiree Health benefits policy.
Recruitment / Departures	<ul style="list-style-type: none"> The Water Loss Control Technician candidate is scheduled to begin the 2nd week in December.
Projects/ Activities	<ul style="list-style-type: none"> Phase 3 construction was completed on November 23. Staff continues coordination activities for the completion of Phase 1 and 2 punch list items and will perform a walk through for Phase 3 for punch list items. Staff continues coordination efforts in working with Engineering staff, IDS, ABS and the furniture vendor on Phase 3 of the Office Seismic Retrofit and Tenant Improvements. Staff continues to participate in weekly move management and Construction Meetings. Phase 3 furniture is being installed the week of November 29th. Staff is continuing to coordinate with PeopleSpace on furniture and punch list items remaining from Phases 1 and 2. Glass walls are scheduled to be installed the week of December 6. Staff is working with Outdoor Dimensions on required office signage in compliance with ADA and Fire Code. Staff is evaluating concepts for office art displays/exhibits upon completion of construction. The District will be closed in observance of the following: <ul style="list-style-type: none"> December 23 and 24th (in observance of Christmas Eve and Day) December 31st (in observance of New Year's Day) Several administrative team members participated in the November 19th Bolsa Chica Conservancy clean-up project coordinated by the Public Affairs Department. The General Manager continues to hold bi-monthly staff meetings via Zoom. Staff is continuing to coordinate closely with the Director of Emergency Management on COVID-19 protocols, OSHA ETS and State guidelines. Staff continues to coordinate additional office cleanings in the office twice a week.



Projects/ Activities	<ul style="list-style-type: none">• Staff continues hosting of Board, Committee and Department meetings via zoom.• Weekly virtual meetings are held with the Administration Team.• Staff continues to update changes to the District Act Database and to the District Contacts in Outlook.• Staff continues to assist with WACO Meetings via Zoom, PowerPoint presentations and various correspondence.• Staff assisted with the WACO Planning Committee Meeting, a Power Point presentation and coordination efforts.• Staff coordinated and participated in interviews for Water Loss Control Technician position.• Staff is obtaining quotes for reserved parking signs.• Staff is obtaining quotes on repairing or replacing pipe due to recent issues with the plumbing impacting the restrooms on the west side of the building.
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INFORMATION ITEM

December 6, 2021

TO: Administration & Finance Committee
(Directors McVicker, Thomas, Dick)

FROM: Robert J. Hunter, General Manager

Staff Contact: Jeff Stalvey

SUBJECT: Finance and IT Pending Items Report

SUMMARY

The following list details the status of special projects that are in-progress or to be completed during FY 2021-22.

Finance

Description	% of Completion	Estimated Completion date	Status
Further Implementation of WUE Landscape Programs Databases and Web Site.	On-going	On-going	In Progress
2021 W-9 collection for conservation rebates. Currently holding 6 rebate checks awaiting a W-9 form.	On-going	On-going	In Progress
Government Compensation in California Report 2021	0%	03-31-2022	Not Started
State Controller Report preparation FY 2020-21	0%	03-31-2022	Not Started
Preparation of documents for FY 2022-23 budget process.	10%	04-30-2022	In Progress

Information Technology

Description	% of Completion	Estimated Completion date	Status
Network security issues (hackers, viruses and spam emails)	On-going	On-going	Continuous system monitoring
Upgrade Conference room 101 and 102 with new Audio/Video equipment.	100%	10-31-2021	In Progress
Batteries replacement for UPS	10%	12-31-2021	In Progress
Replace 10 computers and monitors for Staff	50%	12-31-2021	In Progress
Replace End-Of-Life Cisco Voice Gateway router (hardware and software)	10%	3-30-2022	In Progress
Upgrade backbone Gigabit network switch (hardware)	10%	3-30-2022	In Progress
Software and hardware upgrade for Hyper-V Virtual Server	0%	6-30-2022	Not Started
Exchange E-mail Online Migration for the District	20%	03/31/2022	In Progress

FY 2021-22 Completed Special Tasks

Description	% of Completion	Completion date	Status
<u>Finance</u>			
Preparation of documents for FY2021-22 revised budget.	100%	10-31-2021	Completed
Annual audit of our financial statements. Final audit week of Sept 13 th .	100%	11-04-2021	Completed
Prepare Annual Financials	100%	11-02-2021	Completed
<u>Information Technology</u>			
Upgrade 2 IT laptops for check-out	100%	12-31-2021	Completed



INFORMATION ITEM

December 6, 2021

TO: **Administration & Finance Committee**
(Directors McVicker, Thomas, Dick)

FROM: **Robert Hunter, General Manager**

Staff Contact: Kevin Hostert

SUBJECT: **Monthly Water Usage Data and Water Supply Info.**

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file this information.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

The attached figures show the recent trend of water consumption in Orange County (OC), an estimate of Imported Water Sales for MWD OC, and selected water supply information.

- OC Water Usage, Monthly by Supply **OCWD Groundwater was the main supply in October.**
- Estimated OC Water Usage, Monthly, Comparison to Previous Years Water usage in October **2021 was below average compared to the last 5 years.** We are projecting a slight decrease in overall water usage compared to FY 2020-21. On July 8th 2021, state officials have ask California residents to voluntary reduce their water usage by 15% compared to 2020 levels.
- Historical OC Water Consumption Orange County M & I water consumption is **projected** to be **530,000 AF in FY 2021-22** (this includes ~11 TAF of agricultural usage and non-retail water agency usage). This is about **29,000 AF less than FY 2020-21** and is about **3,000 AF less than FY 2019-20**. Water usage per person is projected to be slightly lower in **FY 2021-22 for Orange County at 150 gallons per day** (This includes recycled water usage). Although OC population has increased 20% over the past two decades, water usage has not increased, on average. A long-term decrease in per-capita water usage is attributed mostly to Water Use

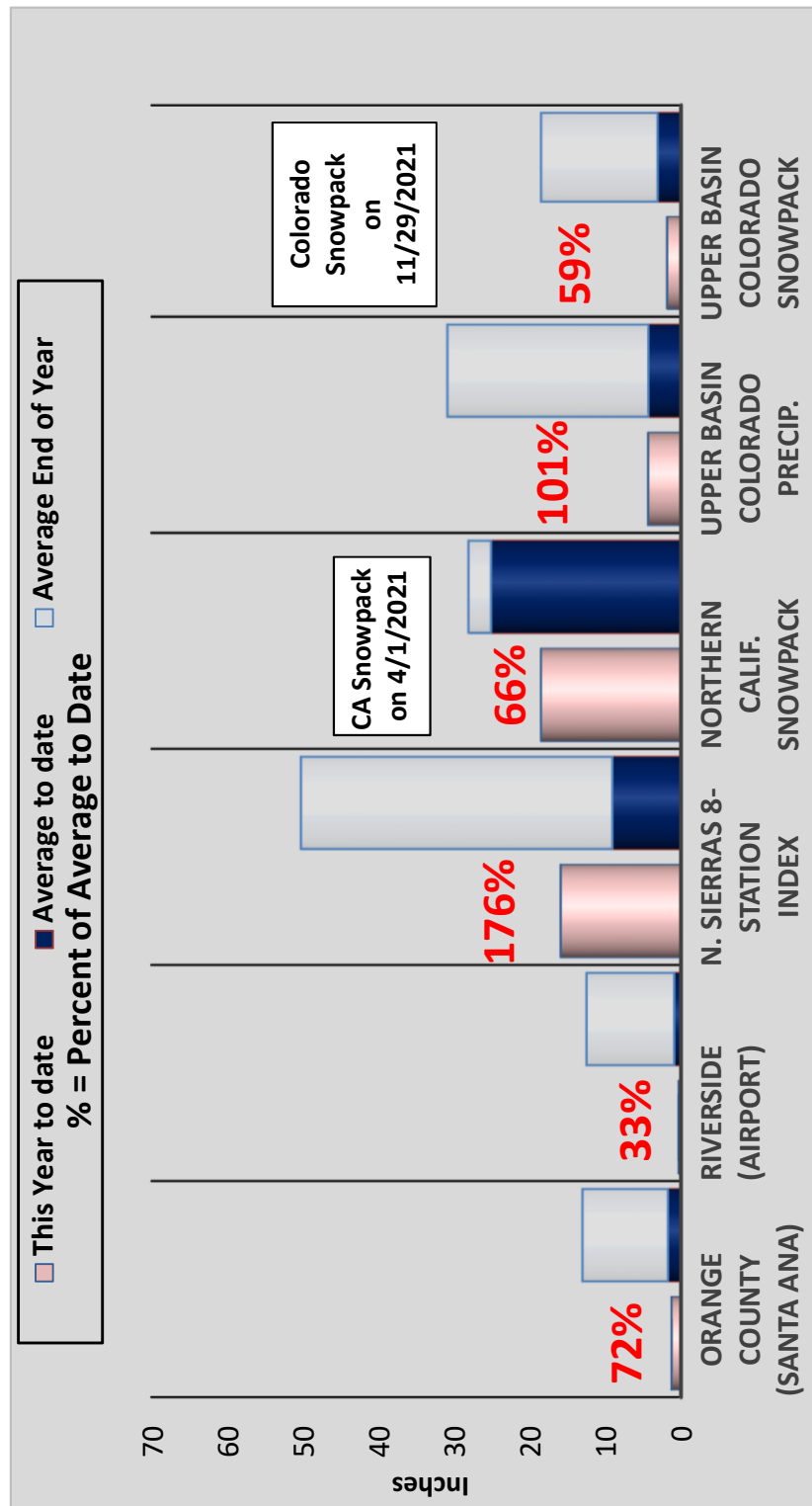
Budgeted (Y/N): N	Budgeted amount: N/A	Core <u>X</u>	Choice <u> </u>
Action item amount: N/A	Line item:		
Fiscal Impact (explain if unbudgeted):			

Efficiency (water conservation) efforts. ***O.C. Water Usage for the period of Fiscal Years FY 2015-16 to FY 2019-20 was the lowest since the 1982-83 Fiscal Year*** (FY 1982-83 was the third wettest year on record). ***O.C. Water Usage in FY 2020-21 was the highest since FY 2010-11.***

Water Supply Information Includes data on Rainfall in OC; the OCWD Basin overdraft; Northern California and Colorado River Basin hydrologic data; the State Water Project (SWP) Allocation, and regional storage volumes. The data have implications for the magnitude of supplies from the three watersheds that are the principal sources of water for OC. Note that a hydrologic year is Oct. 1st through Sept. 30th.

- Orange County's accumulated precipitation through ***late November was below*** average for this period. Water year to date rainfall in Orange County is ***1.22 inches***, which is ***72% of normal***.
- Northern California accumulated precipitation through ***late November*** was ***176% of normal for this period***. Water Year 2021 was 48% of normal while water year 2020 was 63% of normal. The ***Northern California snowpack was 66% as April 1st 2021. As of late November, 100.00%*** of California is experiencing ***moderate to exceptional drought conditions*** while 100.00% of the state is experiencing abnormally dry conditions. The State Water Project Contractors Table A Allocation is expected to start WY 2022 at 0%.
- Colorado River Basin accumulated precipitation through ***late November was 101% of normal*** for this period. The ***Upper Colorado Basin snowpack was 59% of normal*** as of November 29th 2021. ***Lake Mead and Lake Powell*** combined have about ***45.0% of their average storage volume*** for this time of year and are at ***31.5% of their total capacity***. If Lake Mead's ***level falls below a "trigger" limit 1,075 ft. at the end of a calendar year***, then a shortage will be declared by the US Bureau of Reclamation (USBR), impacting Colorado River water deliveries to the Lower Basin states. As of late November, Lake Mead levels were ***9.81' BELOW the "trigger" limit***. The USBR has declared a ***shortage on the Colorado River starting January 1st 2022. There is and a 97% chance of shortage continuing in 2023.***

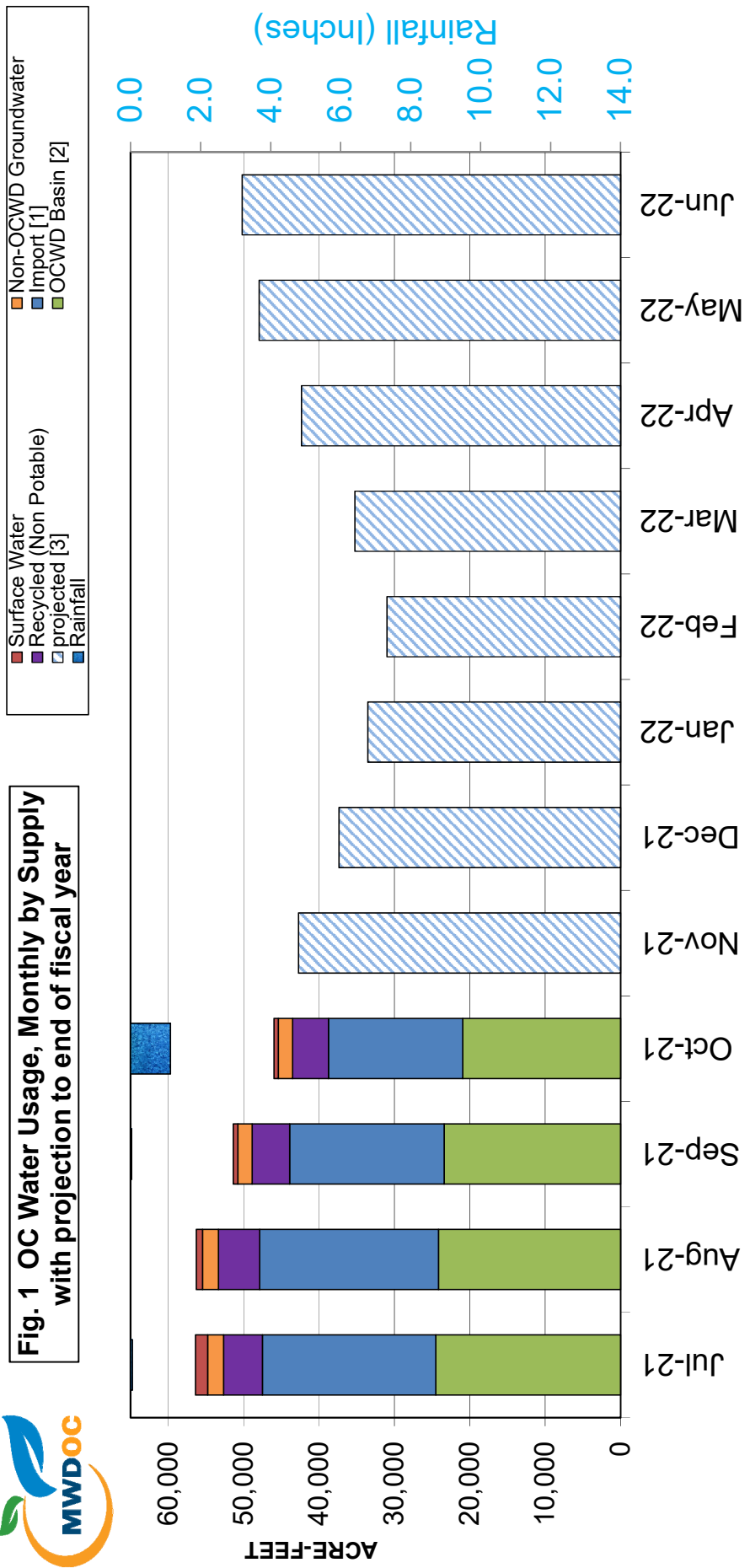
Accumulated Precipitation for the Oct.-Sep. water year, late November 2021



* The date of maximum snowpack accumulation (April 1st in Northern Calif. , April 15th in the Upper Colorado Basin) is used for year to year comparison.



**Fig. 1 OC Water Usage, Monthly by Supply
with projection to end of fiscal year**



[1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water and deliveries into Irvine Lake.

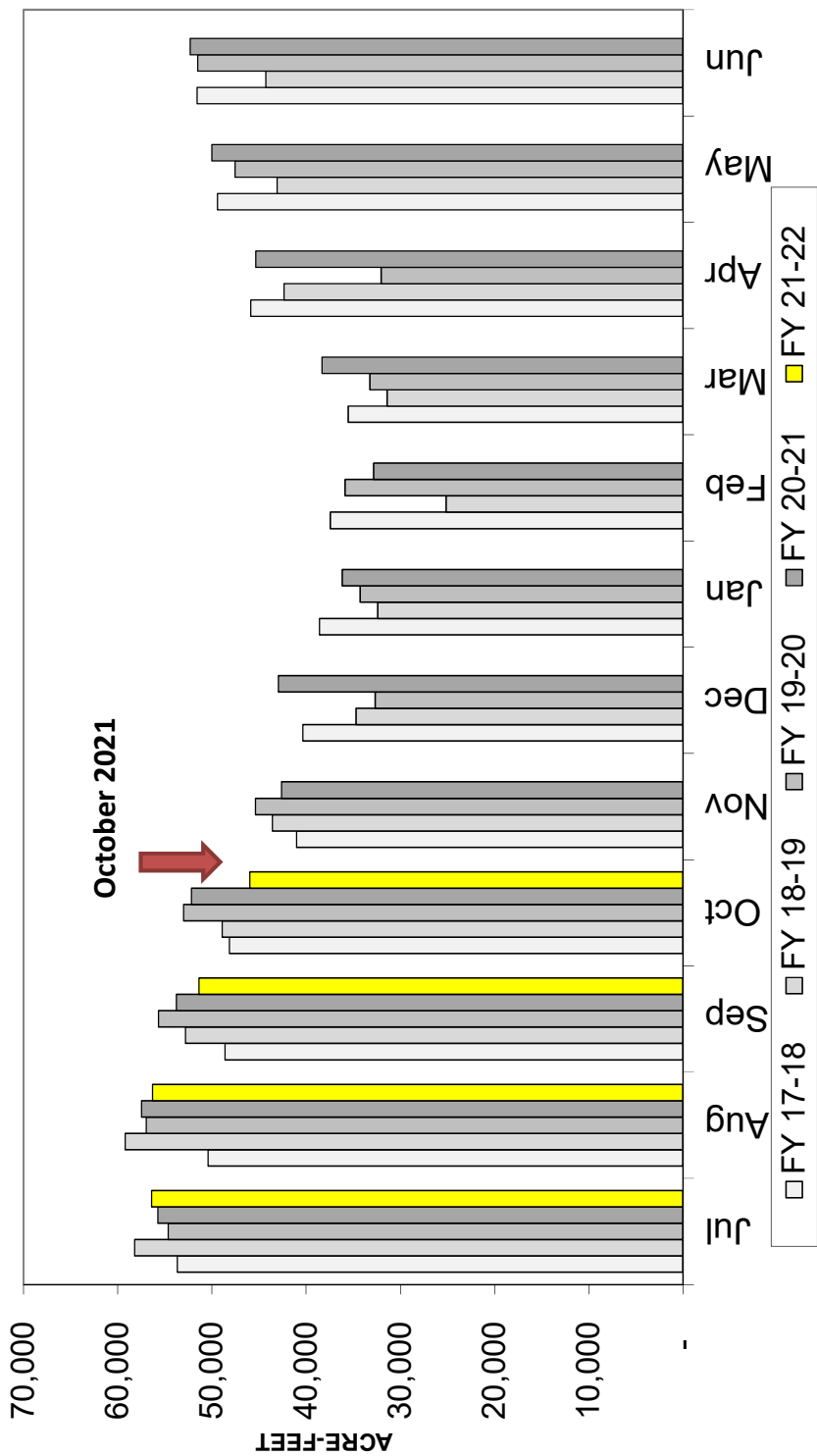
[2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '21-22 is 77%.

[3] MWD OC's estimate of monthly demand is based on the projected 5 Year historical retail water demand and historical monthly demand patterns.

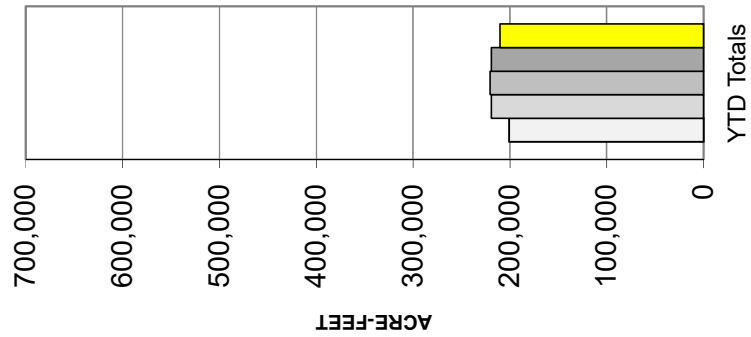
[4] Total water usage includes IRWD groundwater agricultural use and usage by non-retail water agencies.



Fig. 2 OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years

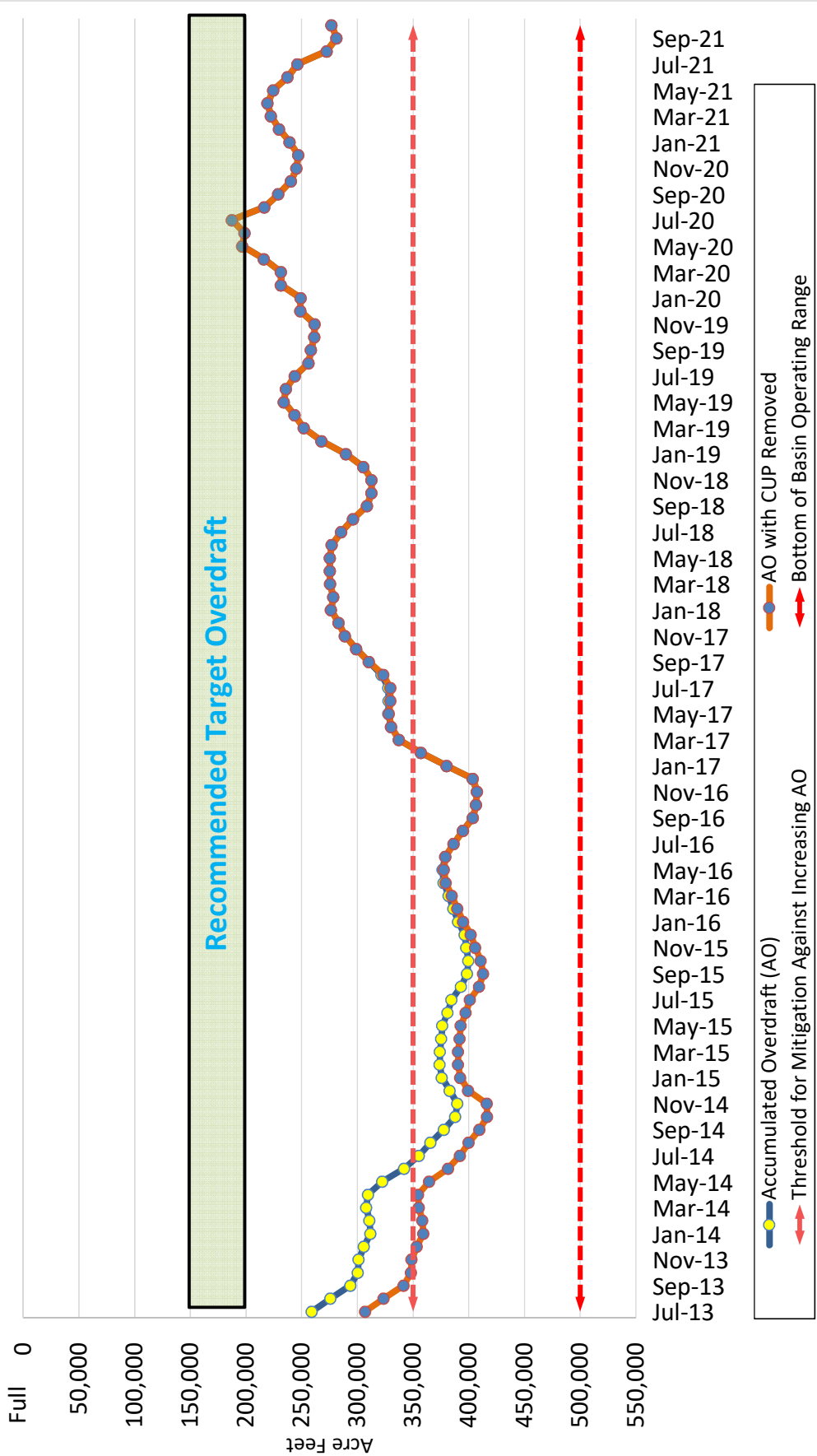


Partial Year Subtotals



[1] Sum of Imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water and excludes GWRS production) Recent months numbers include some estimation.

Accumulated Overdraft of the OCWD Groundwater Basin as of October 2021

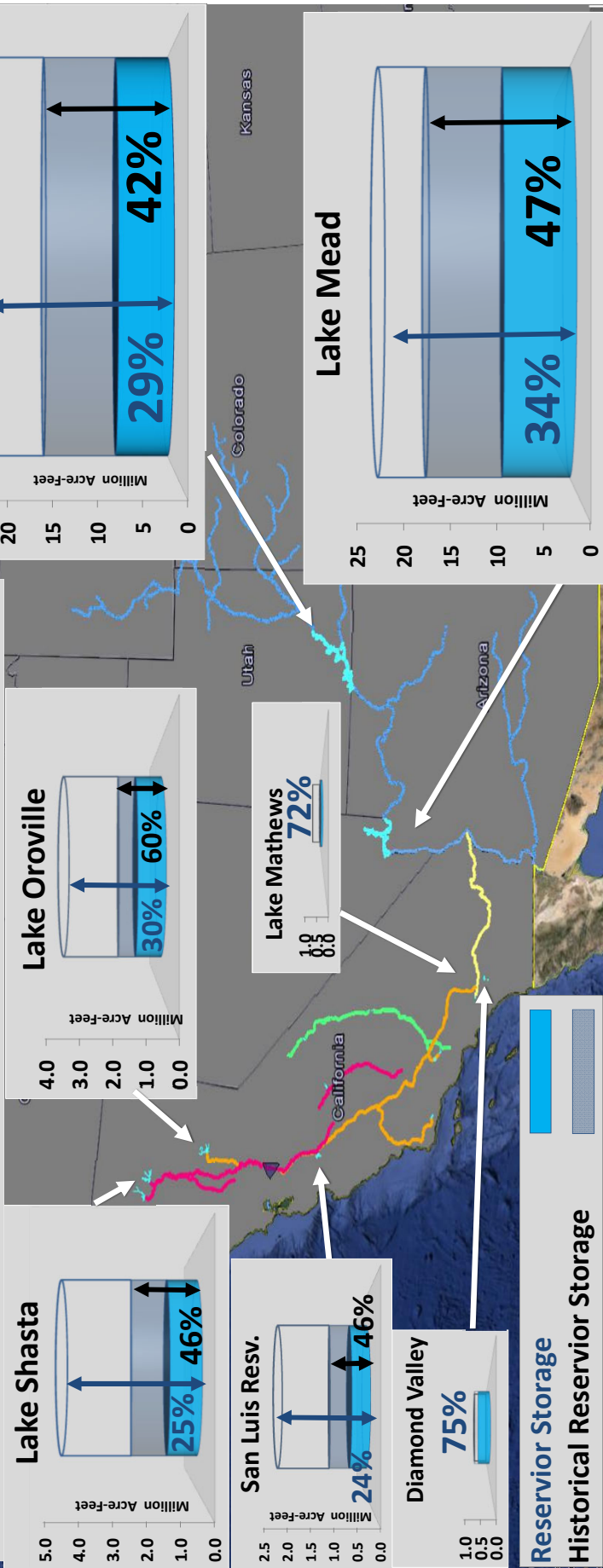


	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
AO (AF)	187,392	216,548	229,124	240,414	245,441	246,998	239,329	229,738	222,470	219,388	224,458	237,335
AO w/CUP removed (AF)	187,392	216,548	229,124	240,414	245,441	246,998	239,329	229,738	222,470	219,388	224,458	237,335
AO (AF)	246,350	272,443	281,354	276,909								
AO w/CUP removed (AF)	246,350	272,442	281,354	276,909								

* Source ~ OCWD Monthly Board of Directors Packet, Water Resources Summary



State Water Project, Colorado River, and MWD Reservoir Storage as of November 30, 2021

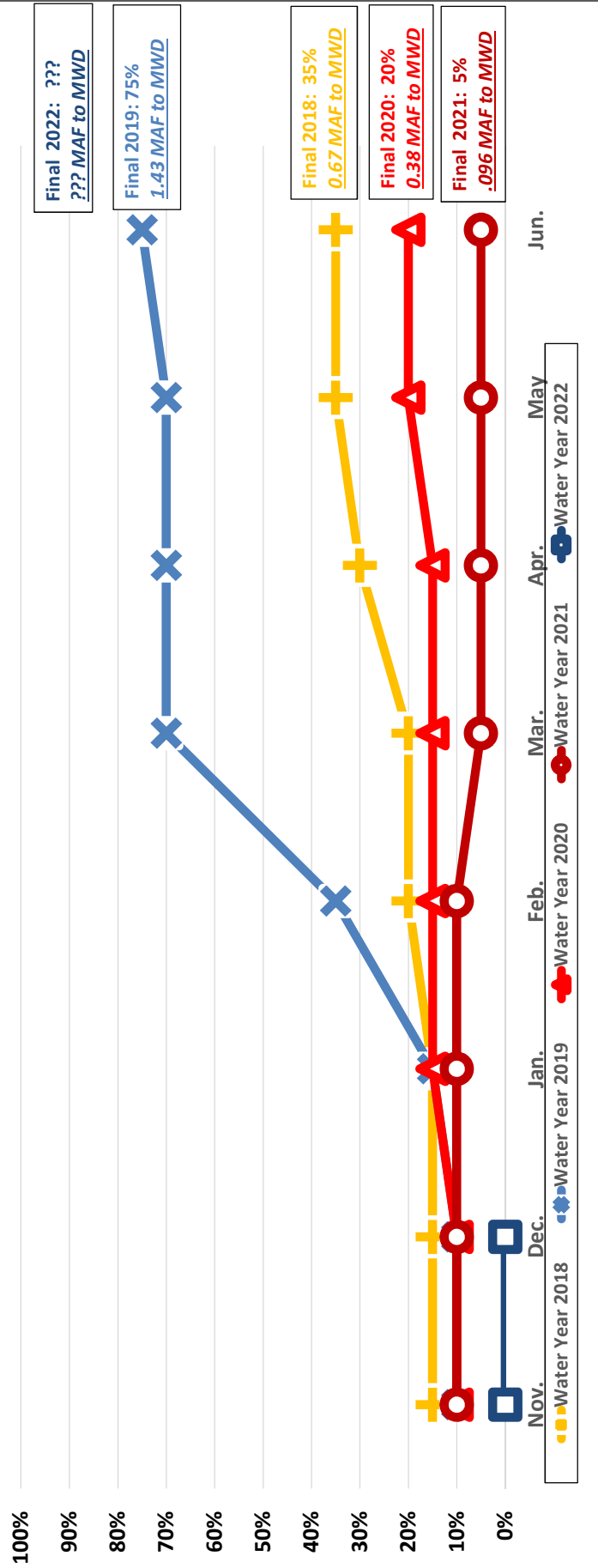


Prepared by the Municipal Water District of Orange County
*Number are Subject to Change

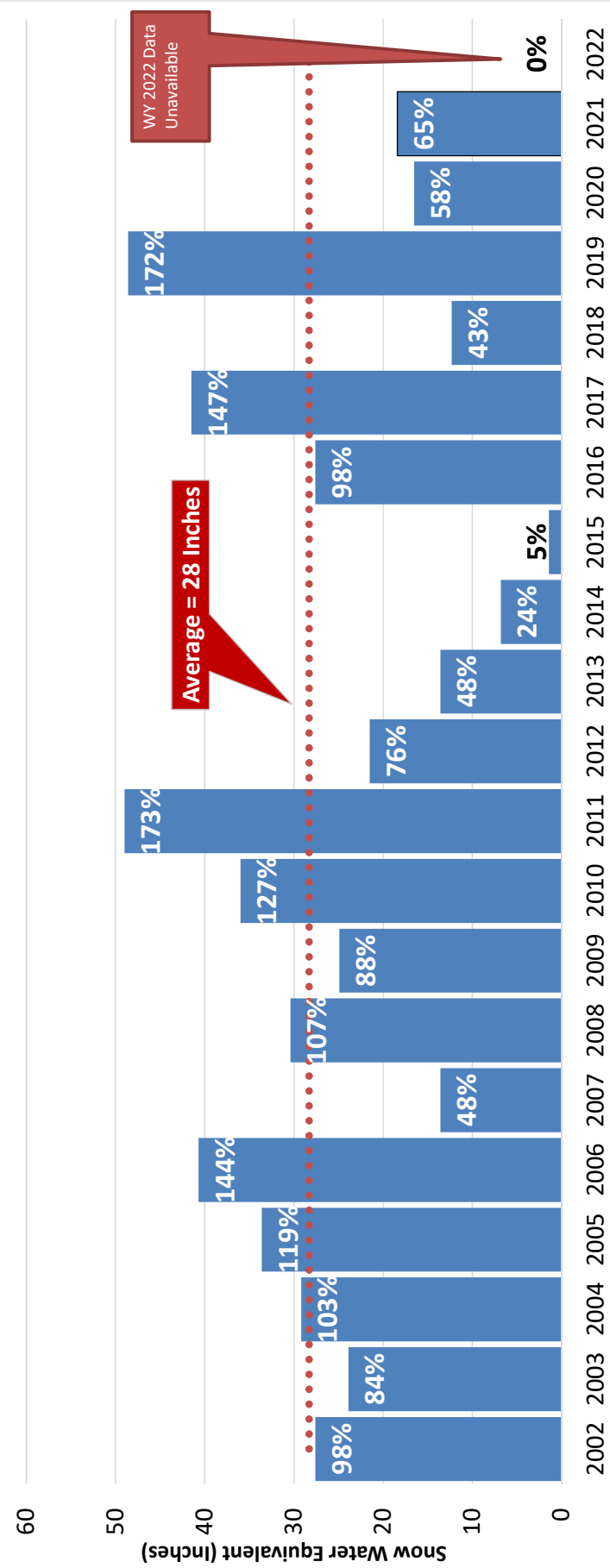


SWP TABLE A ALLOCATION PERCENTAGE

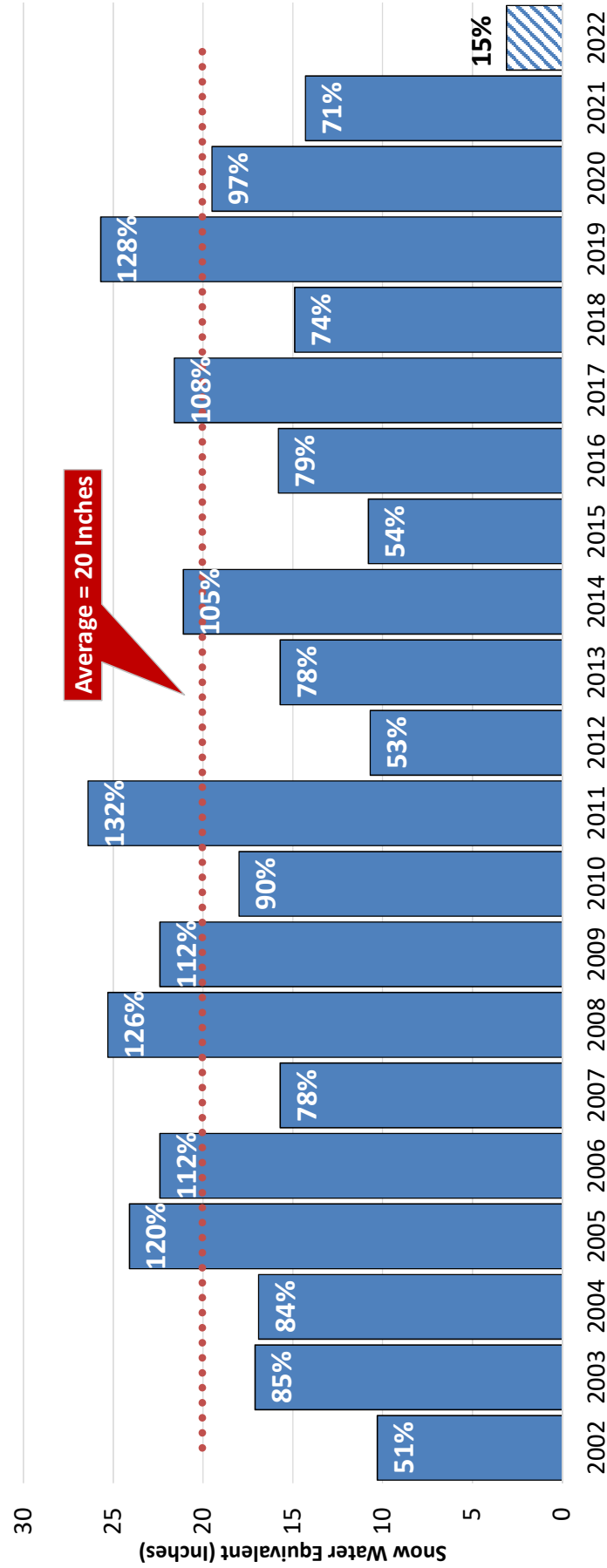
FOR STATE WATER PROJECT CONTRACTORS

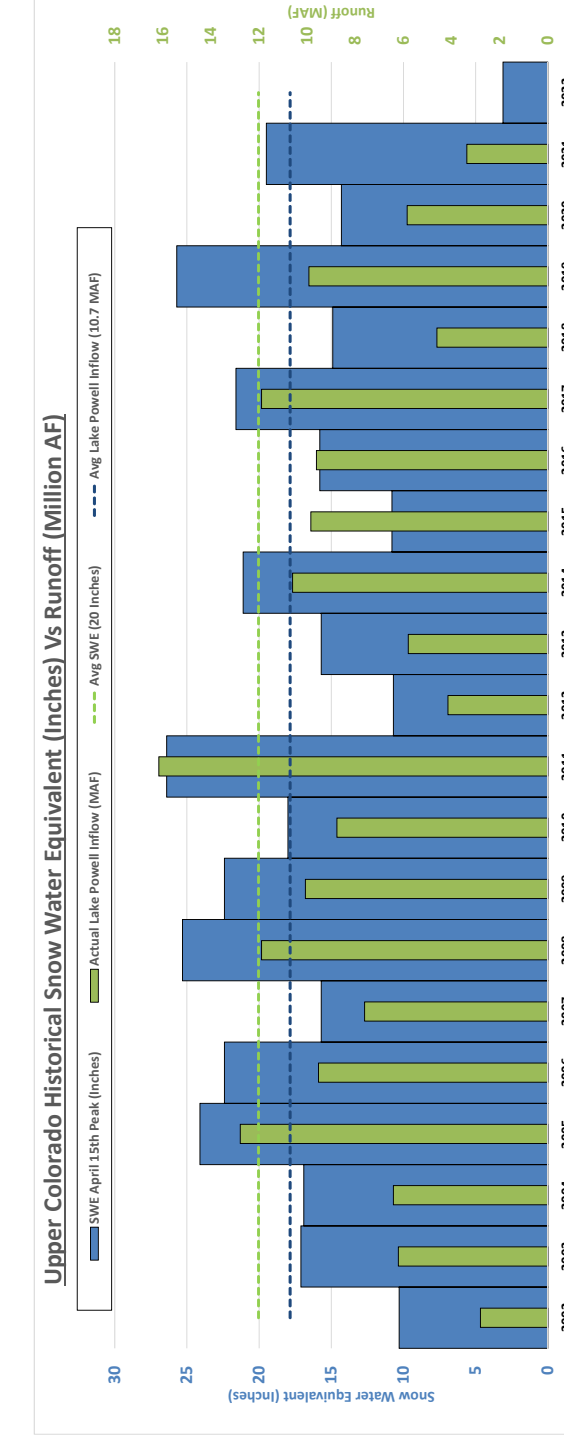
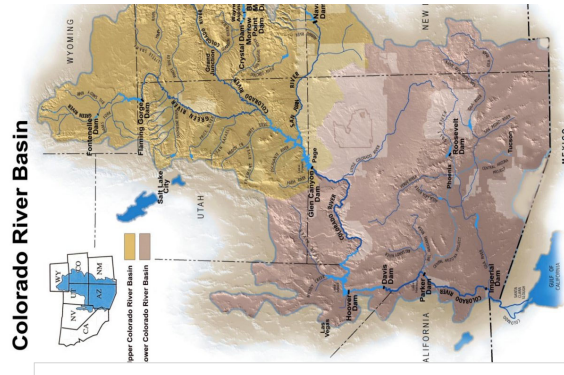
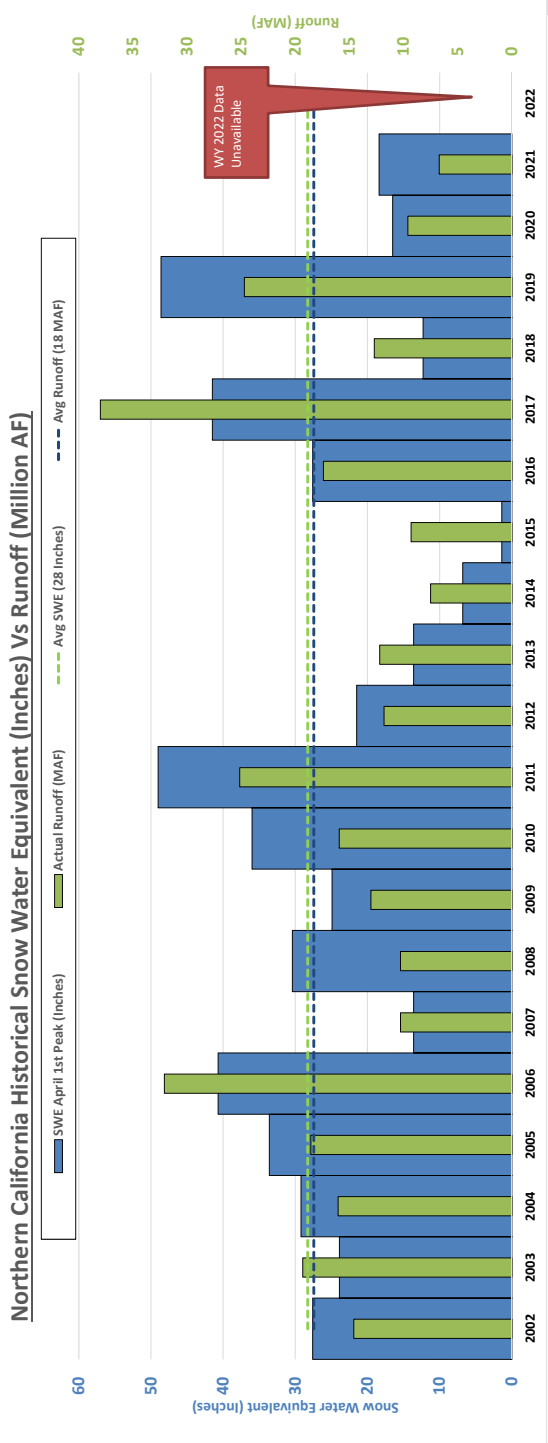


Historical Northern California April 1st Peak Snow Water Equivalent



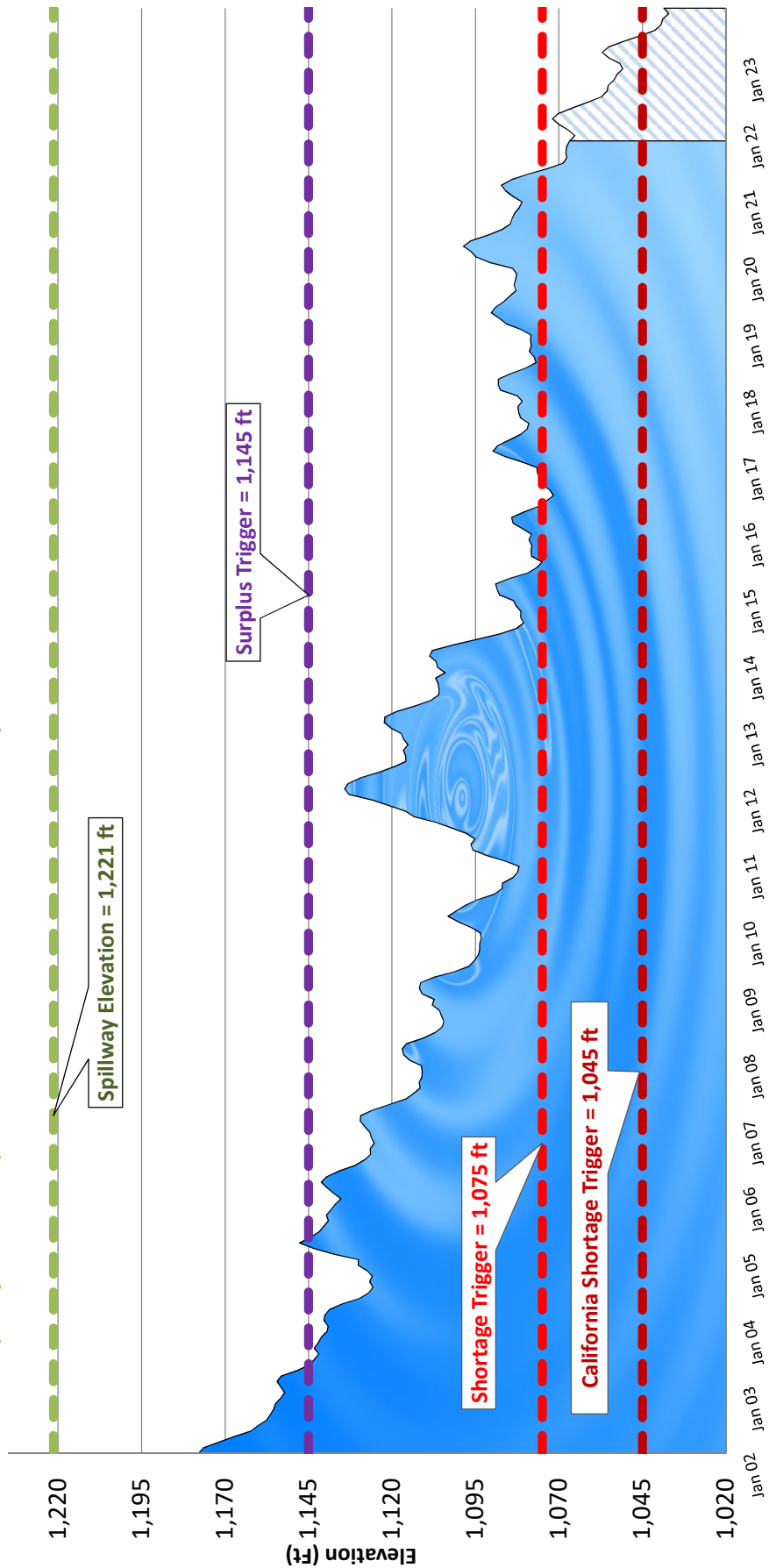
Historical Colorado Basin April 15th Peak Snow Water Equivalent







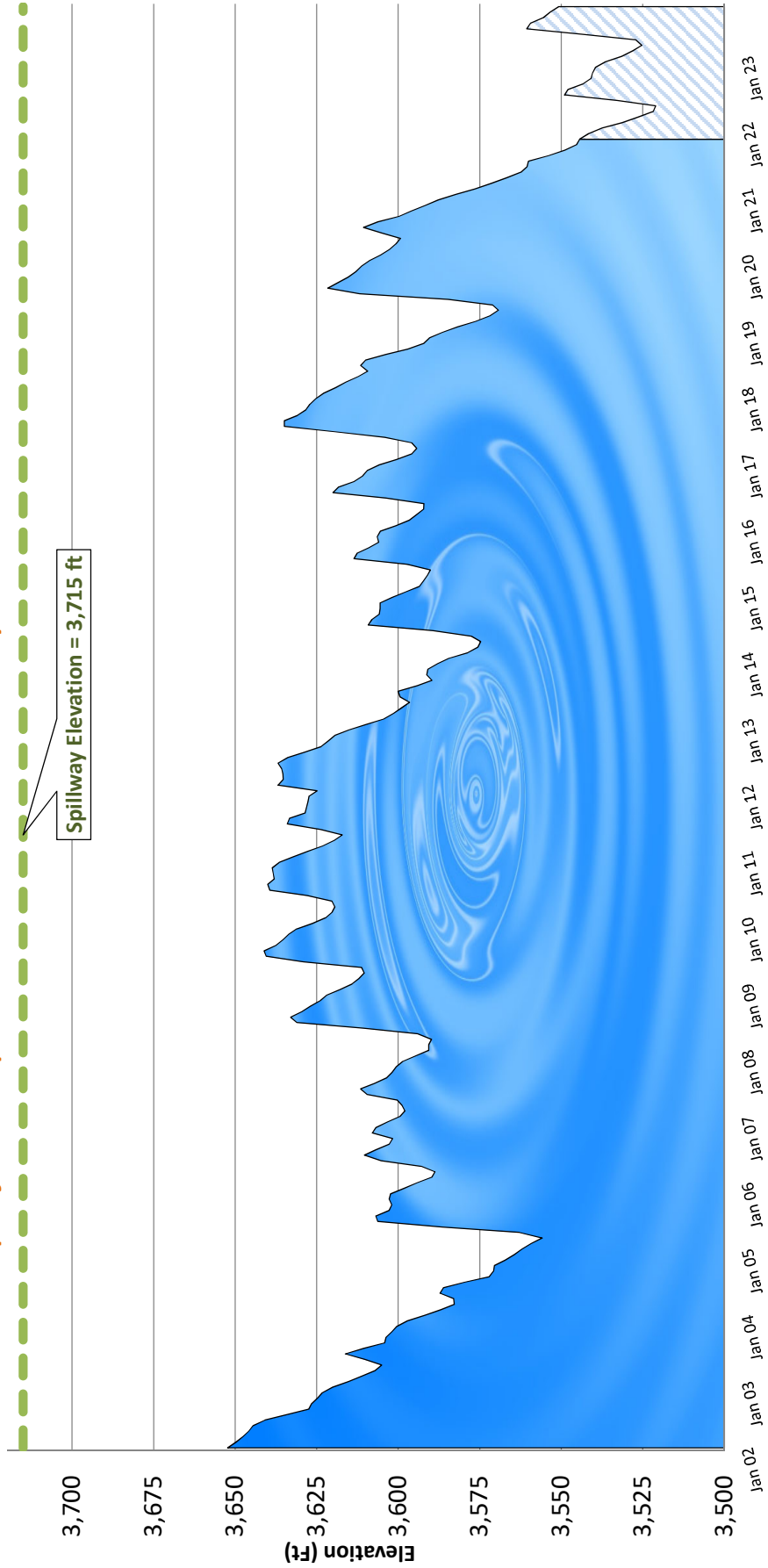
Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study

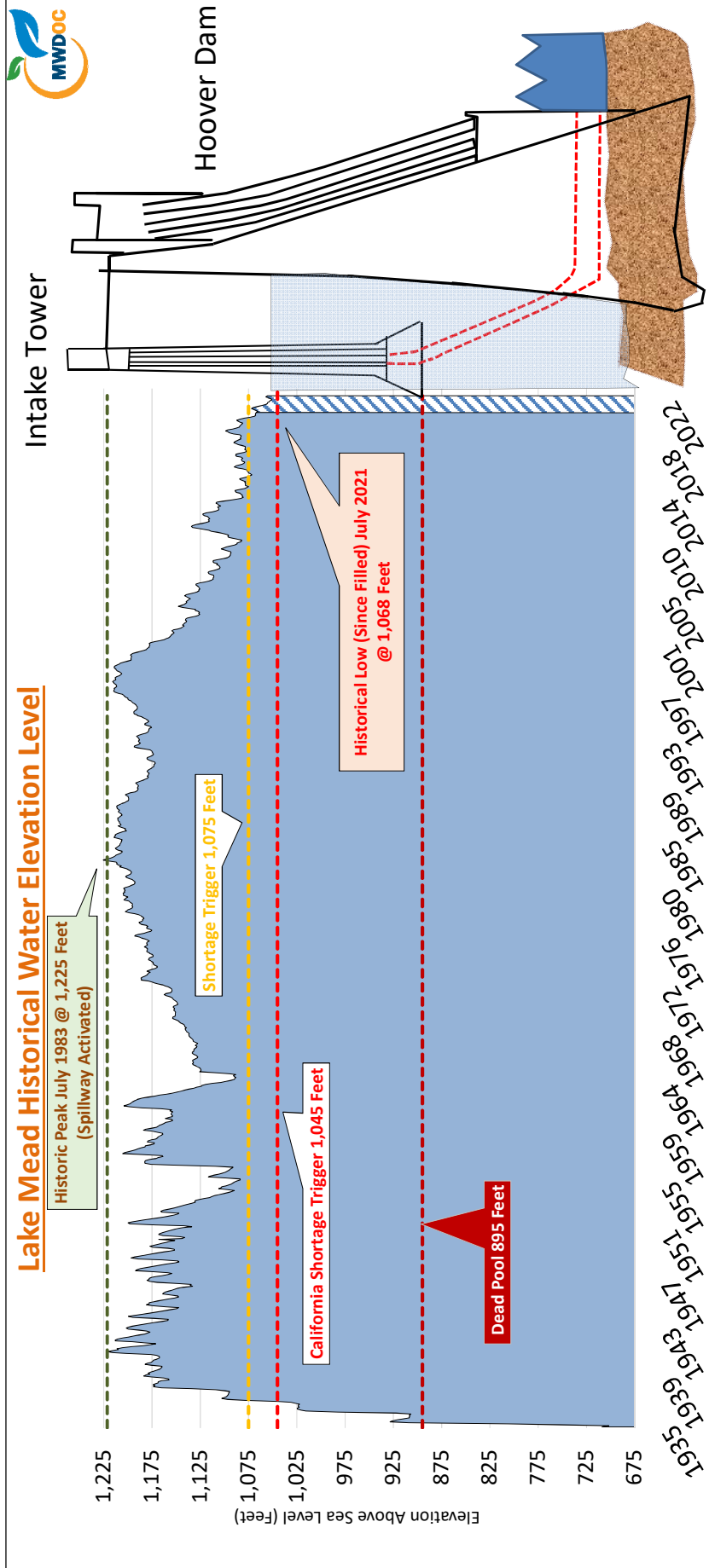




Lake Powell Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected







DISCUSSION/PRESENTATION ITEM

December 6, 2021

TO: **Planning & Operations Committee**
(Directors Yoo Schneider, Nederhood, Seckel)

FROM: **Robert Hunter, General Manager**

Staff Contact: Joe Berg, Director of Water Use Efficiency

SUBJECT: CONSERVATION FRAMEWORK STANDARDS UPDATE

STAFF RECOMMENDATION

Staff recommends the Planning & Operations Committee: receive and file the information presented.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

President Tamaribuchi asked for a presentation regarding the status of the Conservation Framework Standards, and potential and/or realized impacts on Orange County. Said presentation will be sent under separate cover.

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



ACTION ITEM
December 8, 2021

TO: Board of Directors

FROM: **Planning and Operations Committee**
(Directors Yoo Schneider, Nederhood and Seckel)

Robert Hunter
General Manager

Staff Contact: Heather Baez

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

STAFF RECOMMENDATION

Staff recommends the Board of Directors extend the federal advocacy contract with Natural Resource Results (NRR) for 2022.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

NRR is completing their first full 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 second year of the contract. Highlights from 2021, along with a

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

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

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

Option #1

NATURAL RESOURCE RESULTS

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

From: Natural Resource Results

Date: November 22nd, 2021

RE: Contract Extension and 2022 Strategic Planning

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, 2021 was a successful year for much of MWDOC's federal agenda.

2021 Accomplishments

WEROC Funding: NRR was able to secure written support from Senator Feinstein and Senator Padilla for federal funding for critical repairs and upgrades to WEROC's Emergency Operations Center. NRR steered MWDOC staff towards COVID relief funding that Congress provided to state and local governments (not including special districts) to mitigate the impacts of COVID and conversations are ongoing with Orange County about using some of those funds for WEROC.

Colorado River Salinity Control: NRR successfully raised the profile of Colorado River salinity control within the Bureau of Reclamation. NRR worked with Metropolitan Water District and Bureau of Reclamation officials to understand the ongoing challenges and potential solutions for salinity control actions.

Tax Parity for Water Rebates: NRR helped secure language in the Build Back Better Act (Democrats' social spending bill) from Congressman Thompson's and Huffman's legislation that would exclude water conservation and stormwater management rebates from the category of taxable income under Internal Revenue Code Section 136. If the Build Back Better Act doesn't pass in 2021, passage of the tax parity legislation should be a goal for 2022.

Insight into California Water Issues: As conversations developed around Voluntary Agreements and biological opinions, NRR provided MWDOC with strategic insight into ongoing discussions that assisted in MWDOC's overall planning and direction.

Infrastructure Legislation: The Infrastructure Investment and Jobs Act was recently signed into law by President Biden. While no single person or organization can claim credit for passage of the legislation, NRR is proud to have been deeply involved in the development of the bill. We

were able to secure significant funding to address western drought, including MWDOC supported programs like desalination, large-scale water recycling projects, and funding to support implementation of the Colorado River Drought Contingency Plan.

Looking Ahead – Goals for 2022

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.

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.

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.

PFAS: We expect there to be continued action on PFAS in 2022 in Congress and with the Administration. EPA plans to release a draft rule setting drinking water standards for PFAS in the fall of 2022 and there will be congressional support for address the contaminant. NRR will continue to advocate for MWDOC’s position on PFAS including 1) support for the “polluter pays” principle and 2) ensure that EPA’s current cost-benefit analysis is not abandoned.

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.



ACTION ITEM
December 8, 2021

TO: Board of Directors

FROM: **Planning and Operations Committee**
(Directors Yoo Schneider, Nederhood and Seckel)

Robert Hunter
General Manager

Staff Contact: Heather Baez

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

STAFF RECOMMENDATION

Staff recommends the Board of Directors extend the state advocacy contract with Best, Best & Krieger (BB&K) for 2022.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

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.

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

This is the second year of the contract. Highlights from 2021, 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

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

Option #1

Indian Wells
(760) 568-2611

Irvine
(949) 263-2600

Los Angeles
(213) 617-8100

Ontario
(909) 989-8584



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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 1, 2021

RE: Request for contract extension and strategic planning for 2022

Introduction

BB&K has been honored to represent MWDOC over the past year and respectfully requests the opportunity to continue in this role for 2022 under the same terms. BB&K has represented MWDOC before the Legislature and the administration, and worked to improve MWDOC's profile within the water industry. As explained below, 2021 was a successful year for MWDOC in terms of recognition and achieving results in Sacramento.

Highlights of 2021

Improved MWDOC's standing in Sacramento: This is a priority every year and BB&K believes its main purpose is to continue to raise MWDOC's profile and influence in the Legislature and with state agencies. A significant number of new members joined the Orange County delegation in 2020 and MWDOC and BB&K continues to meet with new members and staff.

100% Success rate on priority legislation: It probably does not need to be said again, but 2021 was an unusual year in the State Legislature due to the pandemic. Despite these challenges, every bill opposed by MWDOC and the larger water community was halted before making it to the



Governor's desk. The work will have to continue when these bills become eligible again in January.

Planning for 2022

Opposing New Indoor Water Use Efficiency Standards: BB&K along with MWDOC lead the charge against AB 1434 (Friedman) and successfully halted the bill in policy committee. But the basis for the opposition this year may no longer hold now that the Department of Water Resources has scheduled public hearings on efficiency standards. The fight against AB 1434 may be the major legislative effort in 2022.

Funding for WEROC: The MWDOC board has made clear that it wants funding for a new home for WEROC. BB&K has already begun laying the groundwork for a member's budget request and expects this to be the highest priority project for most of next year.

Advocate for the Delta Conveyance Project: BB&K understand that the fight for a Delta tunnel must never end. We will do all that is possible to further the goals of the Delta Conveyance Project.

Conclusion

It has been almost two years since BB&K has been able to attend the MWDOC board meetings in person. We look forward to the day when staff can again present its report in person, and we are proud of the fact that in the six years BB&K has been representing MWDOC that we have only missed one meeting. We hope we will be allowed to continue representing MWDOC in 2022 with equal dedication.

Thank you.

Syrus Devers
Director of Governmental Affairs
Best Best & Krieger LLP



ACTION ITEM
December 8, 2021

TO: Board of Directors

FROM: **Planning & Operations Committee**
(Directors Yoo Schneider, Nederhood, Seckel)

Robert Hunter, General Manager

Staff Contact: Charles Busslinger

SUBJECT: OC-70 BILLING METER ERROR RESOLUTION

STAFF RECOMMENDATION

Staff recommends the Board of Directors authorize the General Manager to:

1. Enter into an agreement with MET for reimbursement of overbilling of water deliveries at OC-70 for the period of January 5, 2012 through September 15, 2021 under MET Administrative Code [Section 4507(h)], and;
2. Enter into an agreement with East Orange County Water District (EOCWD) to reimburse EOCWD for overbillings for the same period under MWDOC Administrative Code Section 4002 - Discovery of Mistakes or Errors, as full and final resolution of all claims to date regarding the accuracy of the OC-70 meter.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

MWDOC staff have been working with staff from Metropolitan Water District of Southern California (MET) and East Orange County Water District (EOCWD) on an investigation of the accuracy of the billing (venturi) meter at Service Connection OC-70. The investigation was able to determine the magnitude of the metering error and provide a resolution to correct the error going forward, but was unsuccessful in determining a specific cause(s).

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

MET maintains that Administrative Code Section 4506 applies in this circumstance, which provides for no more than six months reimbursement prior to the date of notification of a possible error to MET. MET recognizes that MWDOC strongly disputes this position and has argued that the three year term prior to the date of notification provided in MET Administrative Code Section 4507(h) should apply. The attached draft letter from MET, indicates MET's acceptance of MWDOC's position:

“In consideration of the unique design of this connection and in recognition that this represents a full and final resolution of all of MWDOC's claims regarding the accuracy of this meter, Metropolitan will credit your agency for (TBD) acre-feet of water, at the applicable treated water rates and charges, for the period from January 5, 2012 to September 15, 2021, pursuant to Metropolitan Administrative Code Section 4507(h)(5).”

Background

On January 5, 2015, EOCWD informed MWDOC of what they believed to be a flow metering error at OC-70 which exceeded the allowable error of 2% provided in MET Administrative Code 4506 – Metering of Water. MWDOC notified MET the same day of the concern and requested the meter be tested under the provisions of MET's Administrative Code.

Work over the past 6-½ years on OC-70 issues has included a variety of issues relating to the OC-70 meter and the flow control facility including;

- submission to MET of findings of previous meter reading investigations,
- robustness of operational and emergency power resources at the facility,
- agreement on an acceptable method to determine the accuracy of the billing meter, and
- conducting meter testing at the facility to a high level of precision and accuracy.

In the fall of 2019, MET and MWDOC agreed to a methodology to test the OC-70 billing meter. MET insisted that the OC-70 meter needed to be compared to a reference flow meter that is both highly accurate (how close a value is to its true value) and highly precise (how repeatable a measurement is).

Utah Water Research Laboratory (UWRL) was chosen as having the ability to provide a highly accurate reference through the use of UWRL's weight tank, which is certified by the National Institute of Standards and Technology (NIST). UWRL weight tank is used to calibrate flow meters used in nuclear power plant cooling systems, which require highly accurate metering. UWRL's weight tank is repeatably accurate to 0.1% for flows up to 55 cfs.



UWRL's NIST Certified Weight Tank

Removal of the OC-70 venturi meter for testing at UWRL was deemed infeasible, and relocation of the large weight tank to OC-70 was similarly deemed infeasible. Therefore a test plan was developed to create a reference meter that would be calibrated to OC-70's specific hydraulic conditions using the weight tank and a physical hydraulic model of OC-70 at UWRL's facilities.



Figure 1 Physical Hydraulic Model of OC-70

The reference meter was calibrated at UWRL and then installed at OC-70 to compare to the OC-70 billing meter readings.

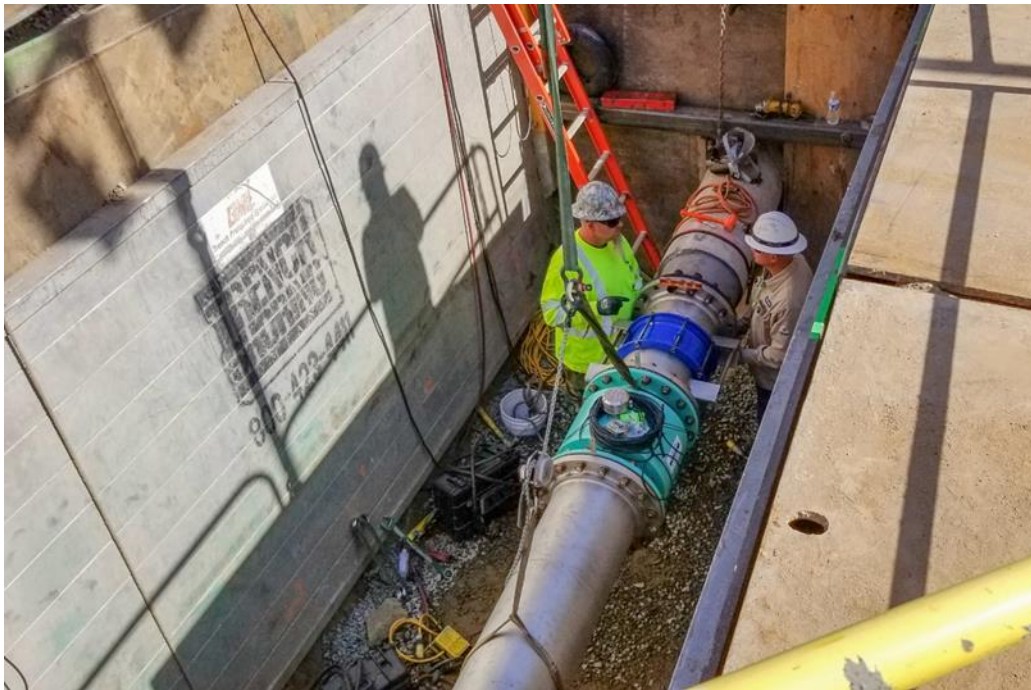


Figure 2 Installation of Reference Meter at OC-70

Meter testing at OC-70 was conducted on March 9, 2021. The OC-70 meter was found to be over registering flows at all 4 flow configurations (gravity, 1-pump each, and 2-pump flows) with an overall average error of 5% which exceeds the 2% allowable error in MET Administrative Code. MET staff spent the next six months trying to track down the cause(s) of the error. The cause(s) of the error has not been determined.

On September 15, 2021, MET staff adjusted the OC-70 billing meter output by 5.2%. MET staff indicated this approach ensures accuracy of the local meter display, Automatic Meter Reading (AMR) signal, and Supervisory Control and Data Acquisition (SCADA) control signal. All flow metering at OC-70 after 11:23 AM on September 15, 2021 is now metered within the allowable error of 2% provided for in MET Administrative Code Section 4506 – Metering of Water.

Metering, Billing and Payment for Water Deliveries

As a result of the erroneous flow readings, MET has billed MWDOC, and in turn MWDOC has billed EOCWD, for more water than has actually been delivered through OC-70 since January 5, 2012; which is three years prior to the date MWDOC notified MET of a possible metering error. MET staff will provide a final accounting of both the amount of water overbilled prior to the OC-70 billing meter recalibration, including any adjustments to the Capacity Charge (CC) as well as to the Readiness-To-Serve (RTS) charges. MWDOC staff have estimated the amount of overbilling using the MET WINS system to be approximately 1,485 Acre-Feet and should include adjustments to the CC and the RTS charges. MWDOC staff will work with both MET and EOCWD to confirm the final accounting.

MET has sent the attached draft letter indicating acceptance of the longer 3-year period prior to the date of notification provided in Administrative Code Section 4507(h). The draft letter also indicates that this issue can be addressed administratively and will not need to be taken to the MET Board for approval.

MWDOC Administrative Code Provisions

MWDOC Administrative Code Section 4002 states:

“In the event a mistake or error is discovered by a member agency in its water sales record or certifications, no mistake or error made more than three years prior to its discovery shall be corrected unless otherwise specified in an agreement with the District.

If an incorrect invoice has been issued to a member agency, the General Manager shall notify the affected agency of any adjustment and the manner of making any required credit or charge, neither of which shall bear interest.”

The reimbursement for overbilling including a three year term prior to the date of notification is consistent with MWDOC Administrative Code.

Operational Issues at OC-70

In addition to the metering error at OC-70, there are some issues related to operations and resiliency that have also been in discussions for some time:

Access to the OC-70 Facility - EOCWD has had access to the facility since MWDOC operated the facility. Water quality testing taps needed to comply with State and Federal water quality standards are located inside the facility. In recent years MET has increased security procedures at all of MET's facilities due to threats aimed at infrastructure facilities. Part of MET's enhanced security procedures includes increased access restrictions to MET facilities. MET will relocate the taps outside of the building into a secure cabinet. EOCWD can still request access to the facility if needed by calling the MET Operations Center.

3rd Pump – EOCWD has asked that a 3rd pump be installed at OC-70 to serve as a backup in case of failure of one of the main pumps. The 1995 AMP Sales Agreement provides that EOCWD may request MET install a 3rd pump at EOCWD's expense. MET provided a cost estimate for purchase and installation of a 3rd pump in June 2021, which has been forwarded to EOCWD for consideration.

Emergency Generator – EOCWD has concerns about emergency power resources for OC-70; particularly in light of the new Public Safety Power Shutoff (PSPS) protocols now in place in California, as well as recent emergency proclamations by the Governor that resulted in shutting down portions of the power grid to 'load shed' on very short notice. The facility has now been retrofitted with electrical quick connector cabling and a transfer switch that can handle connections to the facility of either EOCWD's portable generator or one of MET's portable generators. An Operating Bulletin was also drafted by MET for OC-70 Emergency Generator Operations laying out the protocol for; requests for an emergency generator, generator deployment, emergency generator operation, and return to normal operations. MWDOC and EOCWD provided comments to the Operating Bulletin and a final draft is under review by MET. The facility has been operating under the draft Operating Bulletin until a final version is executed.

EOCWD Assumption of the OC-70 Facility– Staff from MET, MWDOC and EOCWD have explored the possibility of EOCWD taking over responsibility for OC-70. MET has indicated they would be willing to turn the facility over to EOCWD 'as is' without additional

compensation, but that MET is satisfied they can continue to run the facility consistent with their other facilities.

Corrective Actions

The above issues constitute the remaining issues at OC-70. The specific cause(s) of billing meter error at OC-70 has not been determined; however, the meter has been recalibrated to correct for the error going forward. The reimbursement by MET for a period of 3-years prior to the date of notification is based upon a **“full and final resolution of all of MWDOC’s claims regarding the accuracy of this meter”** and is the maximum term provided in both the MET and MWDOC administrative codes.

BOARD OPTIONS

Option #1: Authorize the General Manager to:

1. Enter into an agreement with MET for reimbursement of overbilling of water deliveries at OC-70 for the period of January 5, 2012 through September 15, 2021 under MET Administrative Code [Section 4507(h)], and;
2. Enter into an agreement with EOCWD to reimburse East Orange County Water District for overbillings for the same period under MWDOC Administrative Code Section 4002 Discovery of Mistakes or Errors

as full and final resolution of all claims to date regarding the accuracy of the OC-70 meter.

Fiscal Impact:

Business Analysis: This action for your consideration is the result of extensive negotiations, investigation, and analyses. The recommended action is the maximum allowable reimbursement provided for by both the MET and MWDOC Administrative Codes.

Option #2: Do not authorize the General Manager to enter into agreements with MET and EOCWD to resolve the outstanding issues at OC-70 meter.

Fiscal Impact:

Business Analysis: Litigation is a risk if the OC-70 issues are not brought to a successful resolution.

Attachments:

MET OC-70 Draft Letter



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Office of the General Manager

DRAFT

November ___, 2021

Via Electronic Mail Only

Mr. Rob Hunter
General Manager
Municipal Water District of Orange County
P. O. Box 20895
Fountain Valley, CA 92728
rhunter@mwdoc.com

Credit for Service Connection OC-70 Meter Error

Dear Mr. Hunter:

This letter is in response to the Municipal Water District of Orange County's (MWDOC's) request on January 5, 2015, that Metropolitan investigate a potential meter discrepancy at Service Connection OC-70.

Upon review, Metropolitan corrected the meter issue on September 15, 2021. After a review of billing records, Metropolitan has determined that MWDOC was billed for (TBD) acre-feet of water that was not delivered for the period January 5, 2012 to September 15, 2021.

In consideration of the unique design of this connection and in recognition that this represents a full and final resolution of all of MWDOC's claims regarding the accuracy of this meter, Metropolitan will credit your agency for (TBD) acre-feet of water, at the applicable treated water rates and charges, for the period from January 5, 2012 to September 15, 2021, pursuant to Metropolitan Administrative Code Section 4507(h)(5). This agreement shall not set a precedent for future meter error adjustments. This credit will be reflected on your next invoice once we receive MWDOC's concurrence.

If these terms and conditions are acceptable to MWDOC, please sign below and return an original copy of this letter to Metropolitan. If you require any additional information

Mr. Rob Hunter

November ____, 2021Error! Reference source not found.

Page 2

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regarding this matter, please feel free to contact me at (213) 217-7146 or Mr. Sergio Escalante at (213) 217-7126.

Very truly yours,

Brent Yamasaki

Chief of Operations

The Metropolitan Water District of Southern California

Accepted:

Rob Hunter

General Manager

Municipal Water District of Orange County



ACTION ITEM
December 8, 2021

TO: Board of Directors

FROM: **Planning and Operations Committee**
(Directors Yoo Schneider, Nederhood and Seckel)

Robert Hunter, General Manager

Staff Contact: Heather Baez

SUBJECT: ADOPT RESOLUTION SUPPORTING PFAS LEGISLATION TO PROTECT RATEPAYERS AND WATER/WASTEWATER AGENCIES

STAFF RECOMMENDATION

Staff recommends the Board of Directors adopt a resolution indicating support for federal legislation that protects ratepayers and water/wastewater providers from costly groundwater cleanup.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

BACKGROUND

At the October 27 Joint Planning Committee with MWD OC and OCWD, OCWD staff shared an update on PFAS and their district's legislative efforts in Washington D.C. The costs associated with PFAS treatment are currently estimated at over \$1B in Orange County alone, and this should not be the responsibility of the ratepayers, but of the polluters. OCWD Board President Steve Sheldon asked that the MWD OC Board of Directors adopt a resolution in support of legislation that would protect ratepayers and water/wastewater agencies from bearing the cost of current and future cleanup efforts.

The MWD OC Executive Committee reviewed the request on November 18, and directed staff to bring a resolution to the P&O Committee for consideration.

BOARD OPTIONS

Option #1

- Staff recommends that the Board of Directors adopt a resolution supporting PFAS legislation to protect Orange County ratepayers and water/wastewater agencies from shouldering the cost of treatment and cleanup.

Option #2

- Do not adopt resolution

STAFF RECOMMENDATION

Option #1**Attached:**

- Proposed resolution

PROPOSED RESOLUTION

A RESOLUTION OF THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC) SUPPORTING FEDERAL PFAS LEGISLATION THAT PROTECTS RATEPAYERS AND WATER/WASTEWATER AGENCIES

WHEREAS, PFAS are a group of man-made chemicals created by chemical manufacturers and despite playing no role in releasing PFAS into the environment, cities and water agencies must find ways to remove them from local water supplies; and,

WHEREAS, PFAS have been detected in the Orange County Groundwater Basin, managed by Orange County Water District, and are estimated to cost Orange County more than \$1 billion, over 30 years—a cost that will likely increase; and,

WHEREAS, Ratepayers are at risk from pending PFAS legislation and associated PFAS costs and water agencies and stakeholders must take action to inform members of Congress of these devastating impacts; and,

THEREFORE, All PFAS related legislation must exempt water and wastewater agencies from any liability for PFAS cleanup costs; and,

WHEREAS, A water utility that complies with applicable and appropriate federal management and treatment standards must not be responsible for current and future costs associated with a PFAS cleanup; and,

WHEREAS, Given the potential for federal legislation, such as the PFAS Action Act of 2021 (H.R. 2467), to expose water agencies, that simply receive and treat water supplies, with across-the-board liability for PFAS-related cleanups when they have no responsibility for the presence of PFAS, an explicit exemption from Superfund clean-up liability must be made for water and wastewater agencies; and,

WHEREAS, Under existing law, the USEPA ensures that public health benefits of new drinking water standards are reasonably balanced with the compliance costs that water system ratepayers will ultimately incur and eliminating this analysis would burden ratepayers of all income levels with astronomical costs to comply with drinking water standards; and,

WHEREAS, Amendments to the Safe Drinking Water Act should not delete the longstanding cost-benefit analysis; and,

WHEREAS, MWDOC supports providing direct grant funding for PFAS remediation to water and wastewater agencies as provided in the Infrastructure Investment and Jobs Act (H.R. 3684); and,

NOW, THEREFORE, let it be resolved that the Board of Directors of the Municipal Water District of Orange County, hereby supports these federal PFAS policy principles to protect water/wastewater agencies and their ratepayers and,

FURTHERMORE, we call upon the Orange County Congressional Delegation and California Senatorial Delegation to cast votes implementing these public policy positions.

Adopted: **Date**

cc: Orange County Water District



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

From: Natural Resource Results

RE: Monthly Board Report – December 2021

Appropriations

The current (at the time of writing) Continuing Resolution (CR) expires on Friday, December 3rd. Democratic leadership in Congress seems inclined to pass another CR that would fund the government through mid-January. Punting to mid-January buys Republicans and Democrats more time to work out an agreement on an omnibus funding bill.

Infrastructure

On November 15th, President Biden signed the \$1.2 trillion Infrastructure Investment and Jobs Act into law. The Bureau of Reclamation, which received significant funding from the bill, is required to submit a spending plan to Congress outlining how it intends to spend its share of the funding by January 15th.

Nominations

On November 4th, Camille Touton was confirmed by the Senate to be the Commissioner of the Bureau of Reclamation.

Build Back Better Act

On November 19th, the House passed the Build Back Better Act – President Biden’s \$1.75 trillion social spending bill – along a party line vote. Speaker Pelosi knew the night before passage that she had the votes she needed but that didn’t stop Minority Leader McCarthy from using a special floor privilege known as the “Miracle Minute” to speak on the House floor for over 8 hours, beating the record previously held by Pelosi, before allowing the vote to proceed.

The Build Back Better Act now awaits action in the Senate where we expect the House passed version to be modified to accommodate Senators Manchin (D-WV) and Sinema (D-AZ) and to address any outstanding concerns from the Senate Parliamentarian. Democratic leadership would like to pass the bill before Christmas but that seems to be a tall order.

The Build Back Better Act includes \$100 million for large-scale water reuse and \$100 million for Salton Sea restoration.

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: December 1st, 2021
Re: Monthly Report

Legislative Report

The Legislature has been fortunately quiet on water policy matters. That is fortunate because water districts already have a lot to deal with on the administrative front as the holidays approach. The only legislative matter to mention is the run up to the campaign on AB 1434 (Friedman) which seeks to reduce indoor water use efficiency standards. This has been covered in this report previously and the only new information is that ACWA has convened a working group to coordinate the effort.

Administrative Report

Many water districts are working overtime dealing with the implementation of COVID relief efforts. The one most often in the news is the arrearages relief program to address unpaid water bills. As of the date of this report, nearly 50% of eligible water districts have not applied for the funds. One of the major concerns was whether or not the relief funds would be treated as taxable income by the IRS. The uncertainty appears to have caused hesitation in applying for the funds since larger payments would trigger reporting requirements. The SWRCB recommended keeping payments below the reporting limit (\$600) to address the issue temporarily, but the logistics of that approach failed to increase participation. Thankfully the IRS recently released guidance that the debt forgiveness is nontaxable. Hopefully this will encourage more participation but time is running out. The application deadline is December 6th. In addition there are also technical problems and uncertainty about how late fees are to be addressed. As a condition of receiving the debt forgiveness funds, water district must waive late fees. That may sound simple enough but there are administrative requirements surrounding charging and providing notice of late fees that are not addressed and have Prop 218 implications.

While SWRCB is trying to get the debt relief funds out the door, it is also trying to move along the grant programs funded in the budget. For communities facing immediate needs due to the drought, the Urban and Multibenefit Drought Relief program is up and running and accepting applications. There is no application deadline for this program. It will be awarded in phases until the \$200 million in allocated funds are expended. While that is happening the Department of Water Resources is finalizing the



application process and guidelines for the Sustainable Groundwater Management Act (SGMA) grant program, which is the \$152 million allocated for SGMA implementation assistance. Applications will start being accepted on December 20th. Comments on the draft guidelines were due November 29th.

Note: There are no changes to the November Bill Matrix.

The County of Orange Report

Prepared for the MWD OC P&O Committee

November 29, 2021
by Lewis Consulting Group



On the Agenda - November 10th Meeting

AGENDA #8 - COMMISSION DISCUSSION AND ACTION

a.) FISCAL YEAR 2020-21 OC LAFCO AUDITED FINANCIAL STATEMENTS

The Commission will receive a report on the agency's audited financial statements for Fiscal Year 2020-21 prepared by independent auditor, Davis Farr LLP.

b.) 2021 ORANGE COUNTY STRATEGIC PLAN (Continued from October 13)

The Commission will consider adoption of the 2021 Strategic Plan.

c.) ADOPTION OF A RESOLUTION APPROVING THE SECOND AMENDMENT TO MEMORANDUM OF AGREEMENT FOR THE POSITION OF EXECUTIVE OFFICER WITH CAROLYN EMERY

The Commission will consider adopting a resolution approving the Second Amendment to Memorandum of Agreement for the Position of Executive Officer.

AGENDA #9 - COMMISSIONER COMMENTS

This is an opportunity for Commissioners to comment on issues not listed on the agenda, provided that the subject matter is within the jurisdiction of the Commission. No discussion or action may occur or be taken except to place the item on a future agenda if approved by Commission majority.

AGENDA #10 - EXECUTIVE OFFICER'S REPORT

Executive Officer's announcement of upcoming events and brief report on activities of the Executive Officer since the last meeting.

AGENDA #11 - INFORMATIONAL ITEMS & ANNOUNCEMENTS

a.) PROTEST HEARING RESULTS FOR THE SANTA MARGARITA WATER DISTRICT ANNEXATION OF THE CITY OF SAN JUAN CAPISTRANO'S WATER AND WASTEWATER UTILITIES (DA 20-01)

The Commission will receive an update on the Protest Hearing results of the Santa Margarita Water District Annexation of the City of San Juan Capistrano's Water and Wastewater Utilities held on October 28, 2021

b.) WEBSITE REDESIGN

The Commission will receive a digital tour of the agency's new website.

The LAFCO meeting was crisply conducted -

- a.) The annual audit was presented and LAFCO passed with "flying colors". The noted major change in financials was an increase of \$169,000 in revenue and a decrease of \$150,000 in pension liability.
- b.) After discussion brought about by Commissioner Jim Fisler's explanation of proposed amendments of the Strategic Plan by Mesa Water District, two of the amendments were accepted and incorporated into the plan. The first was identifying LAFCO as OCLAFCO and the second involved the use of analytics for the OCLAFCO website.
- c.) The Executive Director's contract was extended by a year and a 3.7% salary increase was unanimously approved.

It was announced that the protest period related to Santa Margarita Water District's annexation of San Juan Capistrano Water and Wastewater Utilities had expired without protest and with just needing a minor State sign-off, it is now finalized.

LAFCO will be dark in December and the next meeting will be January 12, 2022.



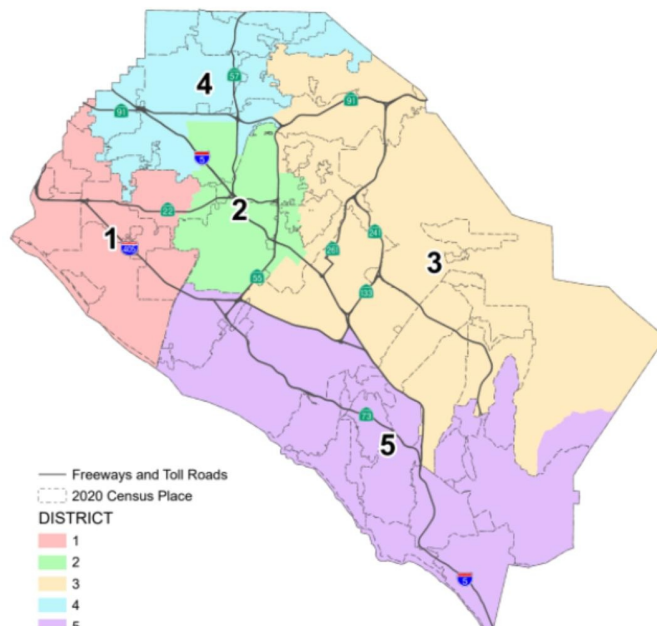
New Supervisor's Districts Set

The long and tortuous road of adopting new Supervisor Districts is finally over. The process, which began in June with the Board's first public meeting, concluded at the November 22nd Board meeting with the selection of plan 5A-1.

Plan 5A-1 was one of eight plans originally submitted by the public. It was sponsored by a lengthy list of Orange County Progressive Organizations. During the process, Board offices added additional plans for consideration, bringing the total to 14 plans for consideration. The Board eventually whittled the proposed maps down to two, 5A-1 which was heavily amended and supported by Supervisor Doug Chaffee and plan 4C amended and championed by Board Chair Andrew Do. Both plans created a new heavily Hispanic district in Central Orange County to meet civil rights requirements. The Chairman Do plan (4C) attached the City of Costa Mesa to a heavily Asian and Republican district anchored by the cities of Westminster and Garden Grove. It also would not have elected a new Supervisor until 2024, meaning Supervisor Katrina Foley would have had no place to seek re-election. However plan 5A, which was described by an ACLU spokesman, as a plan to elect more Democrats, was adopted on a 3-2 vote with Supervisors Chaffee, Bartlett and Foley casting affirmative votes.

From a partisan political perspective, it appears going forward districts 2 and 4 will be safe terrain for Democrats, while District 1 should be in the Republican column. Part of the city of Irvine and all of Costa Mesa are attached to coastal Orange County cities; it appears Supervisor Foley will seek re-election in a competitive district. With 216,000 Irvine residents included in District 3, it makes Supervisor Wagner's district is more competitive.

New Supervisor's Map



PROPOSAL 5A-Revision 1 with Technical Corrections
County of Orange 2021 Redistricting

Table 4. Adjusted 2020 Census Population by District and 2020 Census Place

DISTRICT 1

Place	Total Population	Percent of District
Cypress	50,235	8.3%
Fountain Valley	57,120	9.4%
Garden Grove*	135,704	22.3%
Huntington Beach	199,033	32.7%
La Palma	15,597	2.6%
Los Alamitos	11,795	1.9%
Midway City CDP	8,845	1.5%
Rossmoor CDP	10,634	1.7%
Seal Beach	25,283	4.2%
Unincorporated	3,343	0.5%
Westminster	91,083	15.0%
District 1 Total	608,672	100.0%

DISTRICT 2

Place	Total Population	Percent of District
Anaheim*	102,211	16.5%
Garden Grove*	36,642	5.9%
North Tustin CDP*	7,618	1.2%
Orange*	106,837	17.3%
Santa Ana	311,393	50.3%
Tustin*	49,457	8.0%
Unincorporated	4,781	0.8%
District 2 Total	618,939	100.0%

DISTRICT 3

Place	Total Population	Percent of District
Anaheim*	56,099	8.4%
Irvine*	216,560	32.5%
Lake Forest	85,965	12.9%
Mission Viejo	93,760	14.1%
Modjeska CDP	632	0.1%
North Tustin CDP*	18,131	2.7%
Orange*	33,354	5.0%
Rancho Santa Margarita	48,000	7.2%
Silverado CDP	932	0.1%
Trabuco Canyon CDP	1,020	0.2%
Tustin*	30,955	4.6%
Unincorporated	6,066	0.9%
Villa Park	5,850	0.9%
Williams Canyon CDP	93	0.0%
Yorba Linda	68,415	10.3%
District 3 Total	665,832	100.0%

DISTRICT 4

Place	Total Population	Percent of District
Anaheim*	189,443	30.1%
Brea	47,397	7.5%
Buena Park	84,187	13.4%
Fullerton	143,930	22.9%
La Habra	63,234	10.0%
Placentia	51,925	8.2%
Stanton	38,067	6.0%
Unincorporated	11,530	1.8%
District 4 Total	629,713	100.0%

DISTRICT 5

Place	Total Population	Percent of District
Aliso Viejo	52,222	7.8%
Costa Mesa	112,139	16.7%
Coto de Caza CDP	14,723	2.2%
Dana Point	33,144	4.9%
Irvine*	91,398	13.6%
Ladera Ranch CDP	26,188	3.9%
Laguna Beach	23,061	3.4%
Laguna Hills	31,399	4.7%
Laguna Niguel	64,417	9.6%
Laguna Woods	17,658	2.6%
Las Flores CDP	6,004	0.9%
Newport Beach	85,338	12.7%
Rancho Mission Viejo CDP	10,385	1.6%
San Clemente	64,384	9.6%
San Juan Capistrano	35,271	5.3%
Unincorporated	2,123	0.3%
District 5 Total	669,854	100.0%

*City/CDP split by proposed district.

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

In line with previous board direction and in order to expedite proposal packages for consideration by the board, Proposal 5A-Revision 1 with Technical Corrections includes the technical correction of city splits in unpopulated areas.

Orange County COVID-19 Update

ORANGE COUNTY COVID-19 STATS	11/29/2021 ^^	AS OF 10/26/2021
CUMULATIVE CASES TO DATE	312,623	303,699
CUMULATIVE DEATHS TO DATE	5,710	5,584
DEATHS REPORTED TODAY	35	6
CUMULATIVE TESTS TO DATE	5,777,916	5,391,657
TESTS REPORTED TODAY	40,763	8,699
CASES CURRENTLY HOSPITALIZED	181 *	213 *
CASES CURRENTLY IN ICU	43	52
CUMULATIVE RECOVERED TO DATE	300,879 *	292,371

* = INCLUDES **ICU** CASES

^^ = INCLUDES DATA FROM THE THANKSGIVING HOLIDAY WEEKEND

Yes Virginia, 2021 Marks Political Upheaval

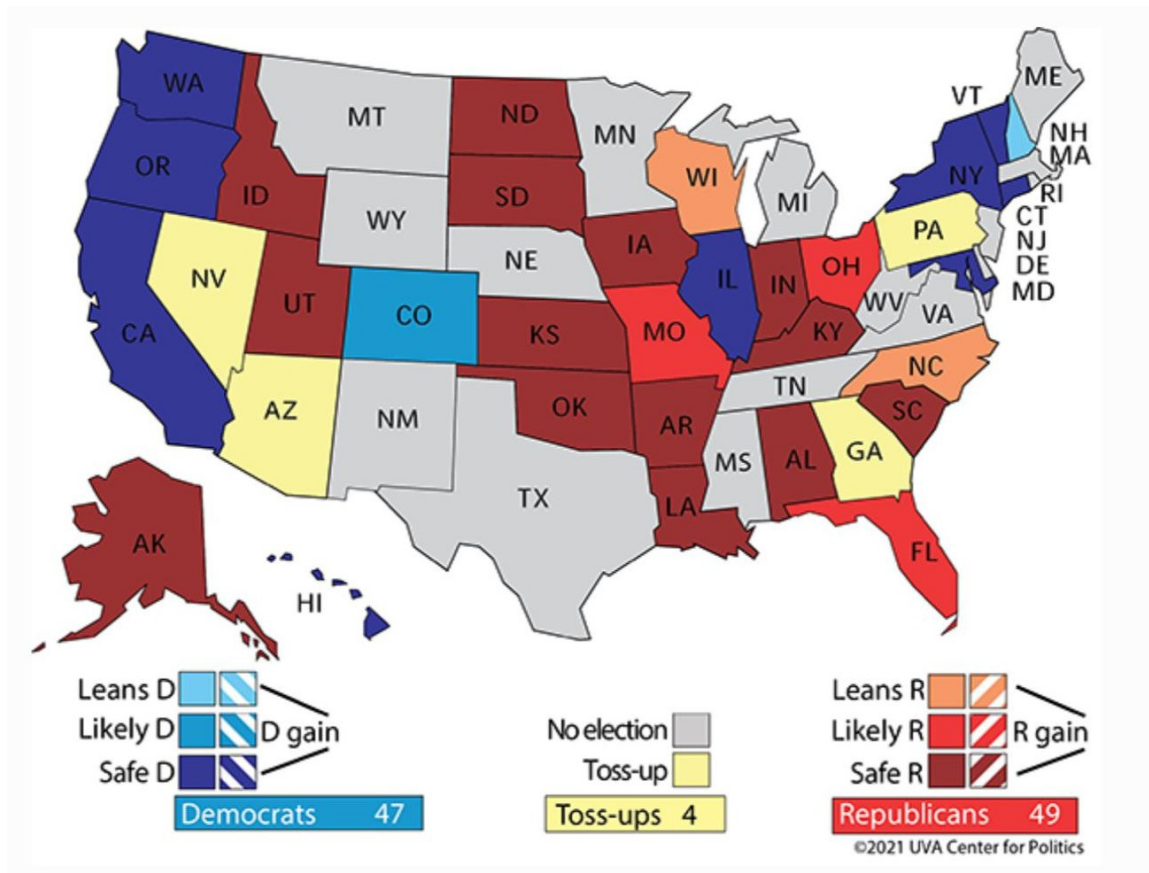
Virginians sent shockwaves with its election of Republican Glenn Youngkin as the Commonwealth's Governor-elect. To add to the election shock, reliably [blue](#) New Jersey narrowly averted a complete meltdown when incumbent Democrat Governor Philip Murphy was re-elected by a 51%-48% margin.

Both of these election results were in stark contrast to the September 14, 2021 California Recall election in which Governor Gavin Newsom easily defeated GOP front-runner Larry Elder. It should be noted that the California election was held prior to a precipitous drop in President Biden's popularity. Historically, the political party which holds the White House fares poorly in mid-term elections.

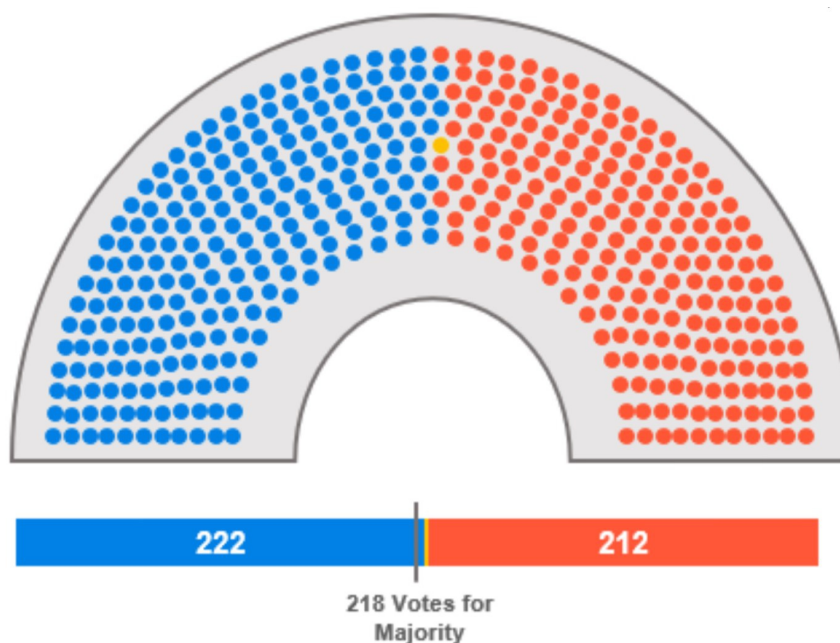
Wednesday, November 24

Race/Topic (Click to Sort)	Poll	Results
President Biden Job Approval	NPR/PBS/Marist	Approve 43, Disapprove 50
President Biden Job Approval	Rasmussen Reports	Approve 41, Disapprove 58
President Biden Job Approval	Economist/YouGov	Approve 45, Disapprove 50

What the experts predict for November 2022 Senate Races



As a result of the recent election, expert political analyst Professor Larry Sabato has changed the prognoses by moving Arizona, Georgia, and Nevada from “lean Democrat” to “toss-ups”. He also moved Colorado from “safe Democrat” to “leans Democrat”. Given the 50-50 tie that presently exists in the U.S. Senate, this type of change provides heartburn for Senate Majority Leader Chuck Schumer.

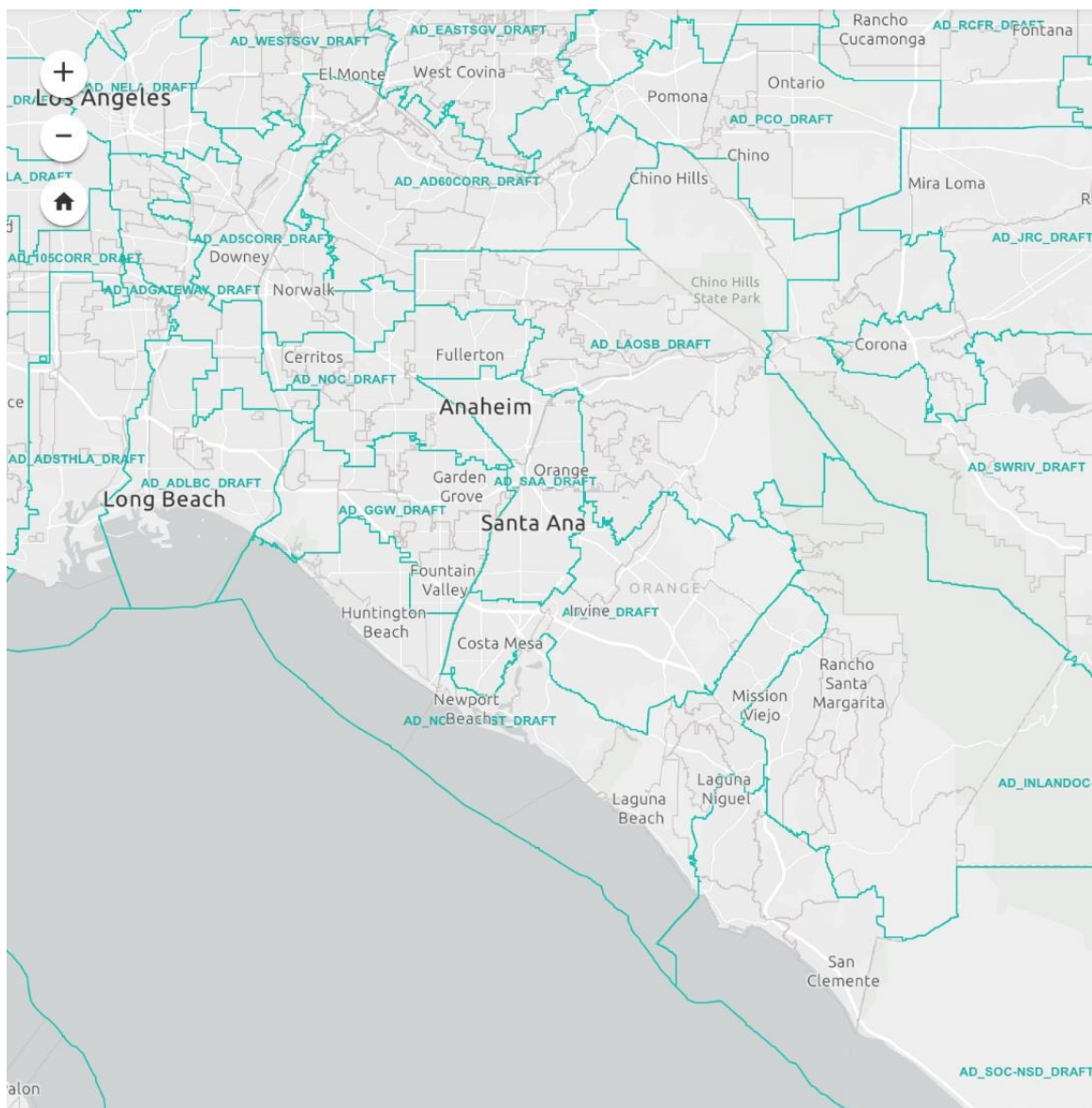


According to Nate Silver's 538.com, in the recent election across the country, the Republicans local government base vote increased by 7%. They calculate that if that margin were to hold, it would equate to an approximate net gain of 40 U.S. House seats.

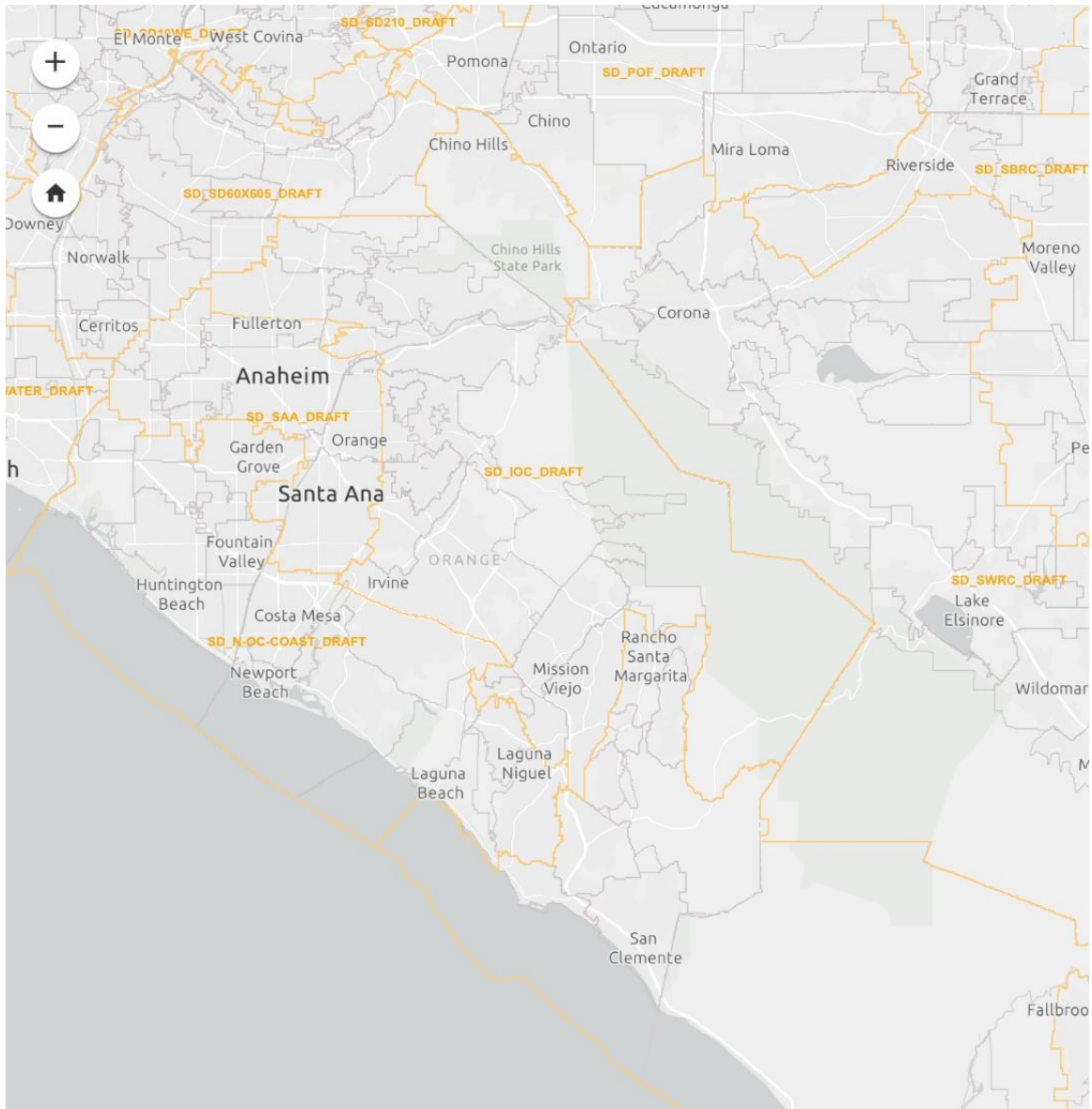
Legislative and Congressional Maps are Close

The State's redistricting commission finally replaced their ongoing process of daily changing map visualizations to a draft map for congressional, state senate and assembly lines. These districts could be the final product, but more likely they will be tweaked again before the December 23rd deadline.

Below are either the final or close to final Orange County portions of the maps:



STATE ASSEMBLY DISTRICTS



STATE SENATE DISTRICTS

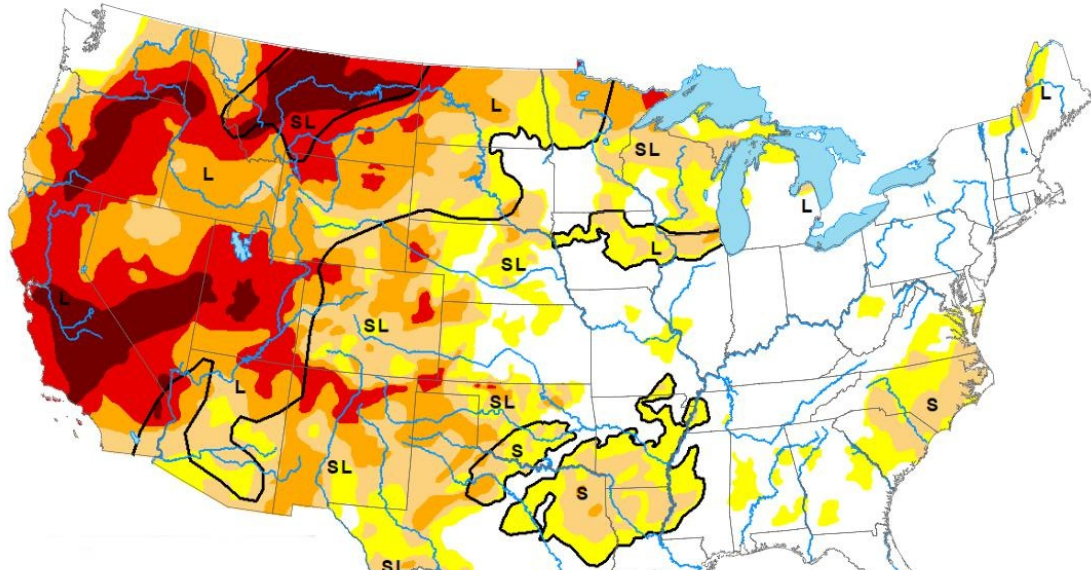


CONGRESSIONAL DISTRICTS

Minor Drought Improvement

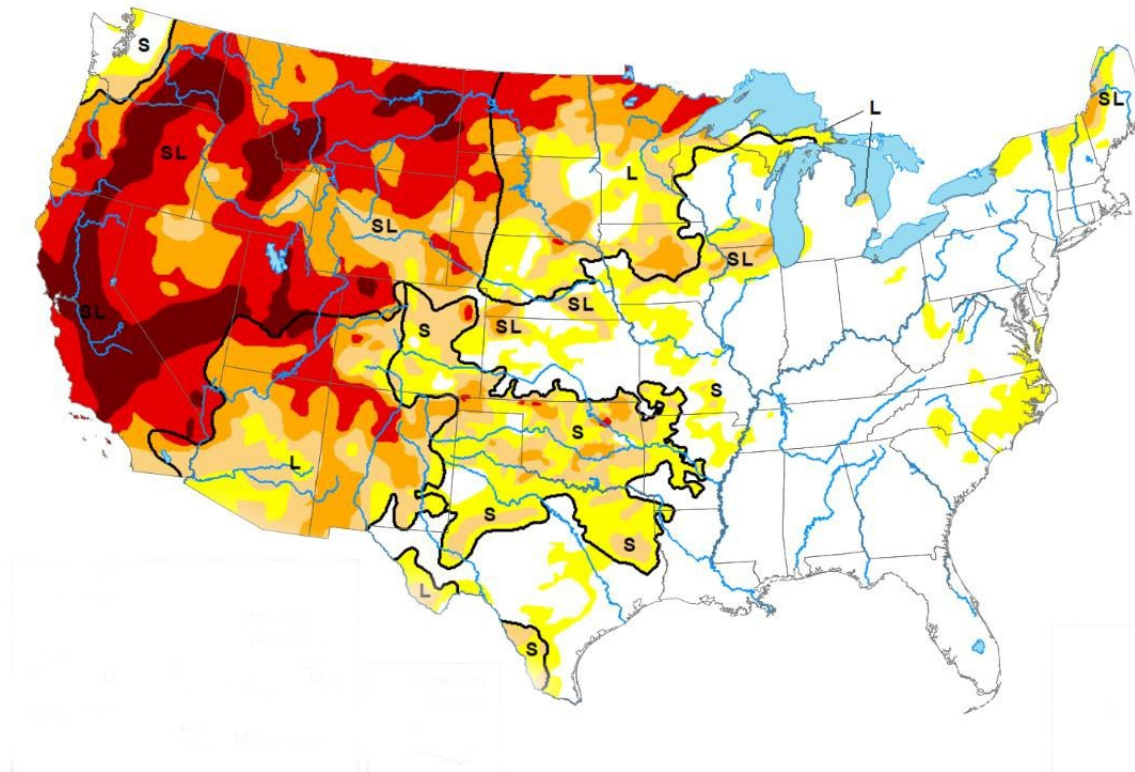
Map released: November 24, 2021

Data valid: November 23, 2021



Map released: October 14, 2021

Data valid: October 12, 2021



ACKERMAN CONSULTING

Legal and Regulatory

December 6, 2021

1. **Donner Summit Lab:** Just off Interstate 80, at the top of Donner Summit, the Central Sierra Snow Lab stands as it has since 1946. Originally constructed by the Army Corps of Engineers, it is presently operated by UC Berkeley. It contains records of snow fall dating back to 1878. A few years ago, it was almost lost due to UC budget cuts. It was saved by some researchers who realized its importance and location. It has been virtually a secret from the scientific community but contains archives and data critical for snow analysis. Many of the records are handwritten and irreplaceable. Due to its location, it is still important. Now the instruments are being upgraded and the documents converted to computer files. Measurements of snow fall have been made at this station since 1946.
2. **Sample Contamination:** Scientists at Staffordshire University (England) have shown that contamination in samples often comes from the folks collecting them. They opine that as much as 70% of contaminants discovered from field studies originate from the clothes and surroundings during the collection process. Microplastics and microfibers are very common in clothing and equipment in the testing procedure. Their findings have led to improved protocol for future field operations.
3. **Tahoe Cleanup:** Keeping Lake Tahoe clean is an ongoing effort. Now, they are using divers as underwater garbage collectors around the entire 72 mile shoreline of the lake. They search to a depth of 25 feet. Thus far collections include the usual junk plus a diamond ring, BBQ, cell phones, poker chips and a petrified log, near a hardened lava flow which has a hot spring flowing into the lake. Prior fires, snow fall and 44 degree water has slowed the clean up somewhat.
4. **Water Rights Battle Continue:** The retirement of General Manager Steve Knell from the Oakdale Irrigation District in central California will bring additional attention to the battle. This district has water rights dating back to the 1850s. Knell has been active in protecting the districts pre-1914 water rights against the State of California and surrounding districts. He also has obtained agreements with the Bureau of Reclamation for storage rights with the New Melones Dam and reservoir. Getting a replacement, with Knell's knowledge and persistence will be a challenge for the district. And it will be particularly important for the areas billion dollar agricultural economy,
5. **Wild Weather:** Many folks want to blame every fire, rain and snow storm on climate change. But even people like George Skelton from the LA Times disagree. In a recent article he does some history review. He references a couple of events. First the big snow of 1846 which gave us the Donner party incident. Next the Great Flood of 1862 which flooded California, Oregon and Oregon and killed 4000 people. Then he discussed forest management or mismanagement as it occurred in the US. Then he jumps to the most recent "bomb cyclone" which hit Sacramento and Northern California. Both the PPIC and UC Davis agree that this latest storm would have

occurred with or without global warming. California has a history of extremes which have occurred and will continue to occur.

6. **Hydrogen Power:** Wastewater treatment is generally expensive and uses a lot of energy. The University of Warwick (England) has developed a pilot program to lessen the cost and use of energy and actually produce a byproduct. The byproduct is hydrogen in a very pure form which can be sold to chemical or plastic firms or for fuel cells in electric cars. The new process uses microbial electrolysis cells and associated microorganisms to break down the pollutants. Also included are recycled carbon fiber mats which are much cheaper than other materials. While still in the development mode, the numbers are very promising.
7. **Water and Infectious Disease:** The University of Georgia has completed a study of leading causes of infectious diseases. These threats are called zoonotic infectious diseases as they are typically transmitted from animals to people. The team analyzed over 4000 of these outbreaks since 1974. They examined the 100 largest ones and concluded that contaminated water was the leading cause. Many had other contributing causes but bad water was the main transmitter. Large outbreaks are also caused by viral pathogens like Covid 19 but water still won out in the larger analysis. Thus, the importance of keeping our water systems reliable and clean remains a major goal for water world.
8. **New Water Form:** We are taught that water can be solid, liquid or gas. The University of Chicago scientists have found a new phase for water- superionic ice. The “strange black ice” is usually found in the core of planets like Neptune and Uranus and also Earth. It is produced with water under extreme pressure and rearranges the atoms producing a new material. This material plays an important role for the Earth in keeping our magnetic fields. These fields protect us from radiation and cosmic rays from outer space. Planets like Mars and Mercury do not have these fields and are exposed to much worse conditions than Earth. Knowledge of superionic ice can enhance our knowledge of these magnetic fields and how they operate.
9. **More Wastewater Treatment:** Removing arsenic from water is also expensive and complicated. The University of Saskatchewan is using agricultural waste from wheat and canola as a filter. This filter when used with bright light gets rid of the arsenic. This light is millions of times brighter than the sun light. This light analyzes the filter to help in absorption of the toxin.
10. **Tap Water and Microplastics:** Most tests in laboratories use pure water. For obvious reasons. However, most tap water contains various elements and minerals which may actually help protect objects from microplastics contamination. Trinity College, Dublin used tap water instead of pure water to examine its reaction in this area. The tap water solution actually coats the surface of certain materials making it immune from microplastic contamination. Again, this study shows that sometimes nature can help with problems in our high tech society.
11. **Beer and Recycling:** One of San Francisco’s oldest breweries, Anchor Brewing, is taking some bold action. Anchor Brewing, founded in 1896, will become the City’s largest commercial reuse operation. Beer usually uses 6 parts of water to produce one part of beer. This does not include the farming of the hops and barley. Their system can recycle 20 million gallons of water per year. They hope the system to be financially sound over time. However, Anchor received a \$1 million grant from SF Water agency to complete the facility.

12. **Army and PFAS:** The US Army Corps of Engineers has filed a patent for a filtrations system. This system is designed to remove PFAS from groundwater. If successful, the Army intends to partner with interested companies to commercialize the use. Originally, this patent was developed to help the US Military in clean up for their use of firefighting foam used at many of its bases. That foam contains PFAS as does many other products in everyday use. This application reduces the concentration to 70 parts per trillion or less.



INFORMATION ITEM

December 6, 2021

TO: Planning & Operations Committee
(Directors Yoo Schneider, Nederhood, Seckel)

FROM: Robert Hunter, General Manager

Staff Contact: Melissa Baum-Haley

SUBJECT: CONTRACT TIMEFRAME EXTENSION OF MNWD FUTURE SUPPLY ACTION (FSA) AGREEMENT WITH METROPOLITAN

STAFF RECOMMENDATION

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

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

In July 2018, the Metropolitan Water District of Southern California (Metropolitan) issued a Request for Proposals (RFP) under the Future Supply Actions Funding Program (FSA Program). The FSA Program funds technical studies and pilot tests targeting barriers to future production of recycled water, stormwater, seawater desalination, and groundwater resources.

MWDOC was awarded \$205,754 within the stormwater category for the “Smart Watershed Network” in cooperation with Moulton Niguel Water District (MNWD). Since 2018, MWDOC has served as the lead agency, handling the grant administration on behalf of MNWD with Metropolitan, while the project is being implemented by MNWD. The total cost of the project is \$411,508, with \$205,754 (50%) awarded from Metropolitan’s FSA Program and \$205,754 (50%) matched by MNWD.

The Smart Watershed Network will provide information and tools to evaluate the sustainable use of urban runoff and stormwater as a potential water supply within the Aliso Creek

Budgeted (Y/N): N/A	Budgeted amount: N/A	Core ____	Choice ____
Action item amount: N/A	Line item: N/A		
Fiscal Impact (explain if unbudgeted): Pass-thru funding agreement from Metropolitan to Moulton Niguel Water District			

Watershed. This project will help improve resiliency of the region's water supply by providing a new way to look at the urban water balance to identify potential resource recovery projects. The project advances the field of knowledge in urban runoff recovery and provides a methodology and tools that can be applied to both other Metropolitan Member Agencies as well as retail agencies throughout the region.

Status Update

The Smart Watershed Project began upon agreement execution in 2018. Like many of the other FSA projects, the Smart Watershed Project has experienced delays related to the COVID-19 pandemic and associated supply chain disruptions, which has delayed the final project deliverables.

Time extensions for invoices are justified under Section 26 of the FSA Agreement, which encourages flexibility during Force Majeure events, such as the current COVID-19 pandemic. Under section 6.f, Metropolitan may grant study partners "an extension of time to complete the work and submit its invoices."

Several member agencies, including MWDOC, have requested more time to complete the studies due to COVID-19 and other factors. Changes in the FSA Project term will require an amendment to the Agreements to extend the Agreement end date. Metropolitan will initiate an administrative amendment to the Agreement with MWDOC, and in turn MWDOC will administratively amend the agreement with MNWD. The amendment to the Agreements will not affect funding amounts, scopes of work or other agreement provisions.



INFORMATION ITEM

December 6, 2021

TO: Planning & Operations Committee
(Directors Yoo Schneider, Nederhood, Seckel)

FROM: Robert Hunter, General Manager

Staff Contact: Damon Micalizzi

SUBJECT: OC Water Summit Update

STAFF RECOMMENDATION

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

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

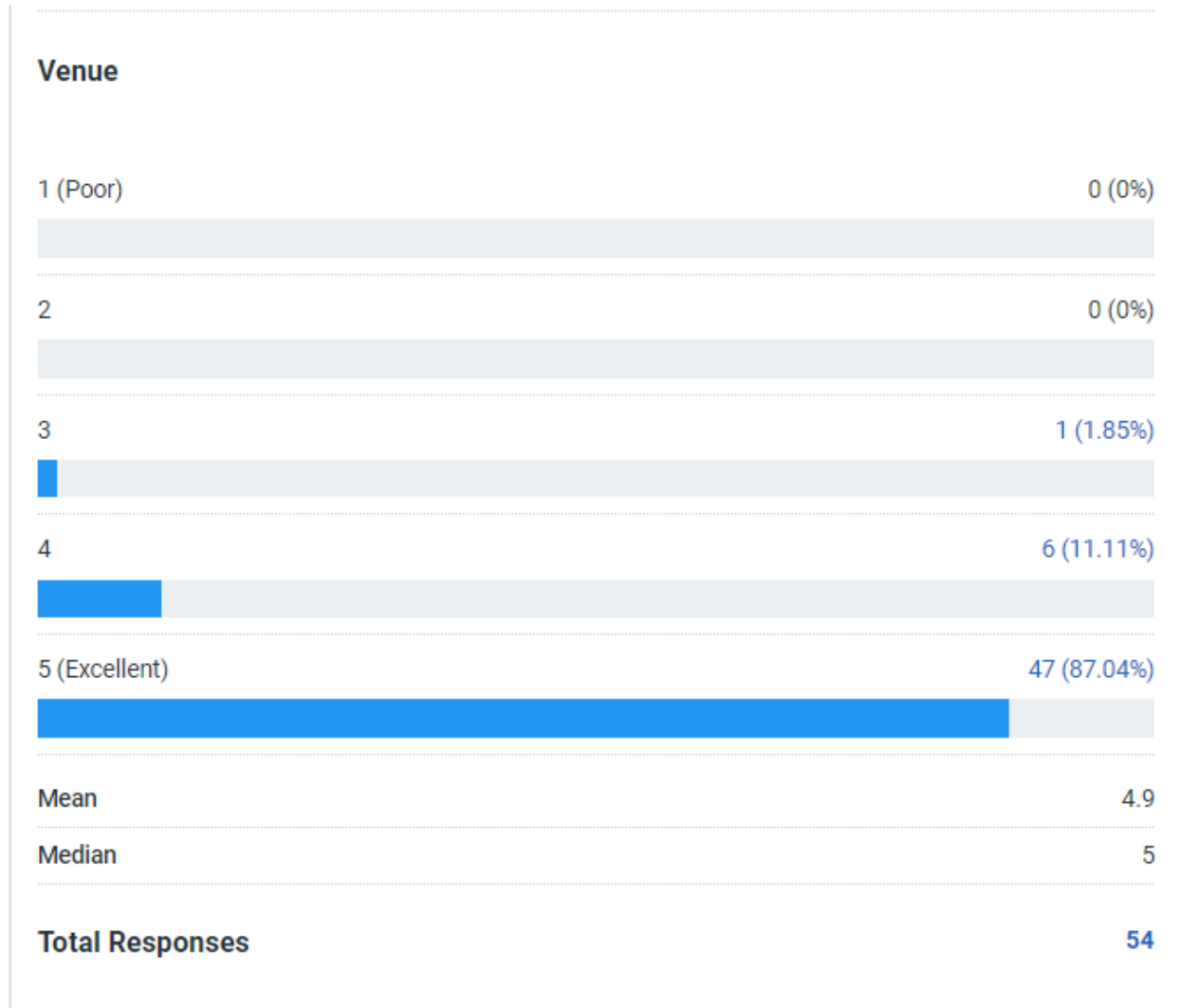
The Disneyland Grand Californian Hotel as been booked for the 2022 Orange County Water Summit. The event will be held on Friday September 16th.

After the 2020 Summit was canceled due to COVID-19, more than 350 people attended this year's conference. Survey results as well as a preliminary accounting are attached to this report.

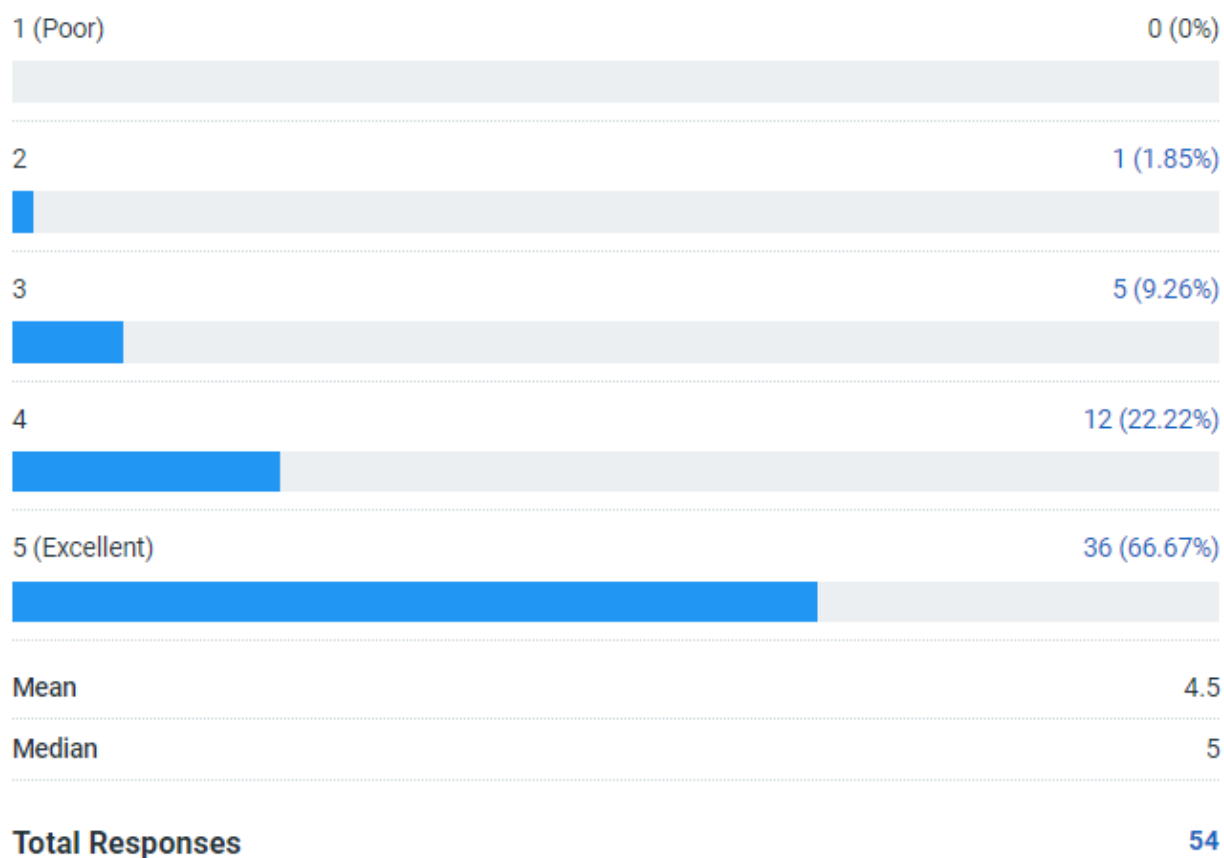
The OC Water Summit Ad Hoc Committee will reconvene in January.

2021 OC Water Summit Survey Results

as of November 12, 2021



Session topics and speakers



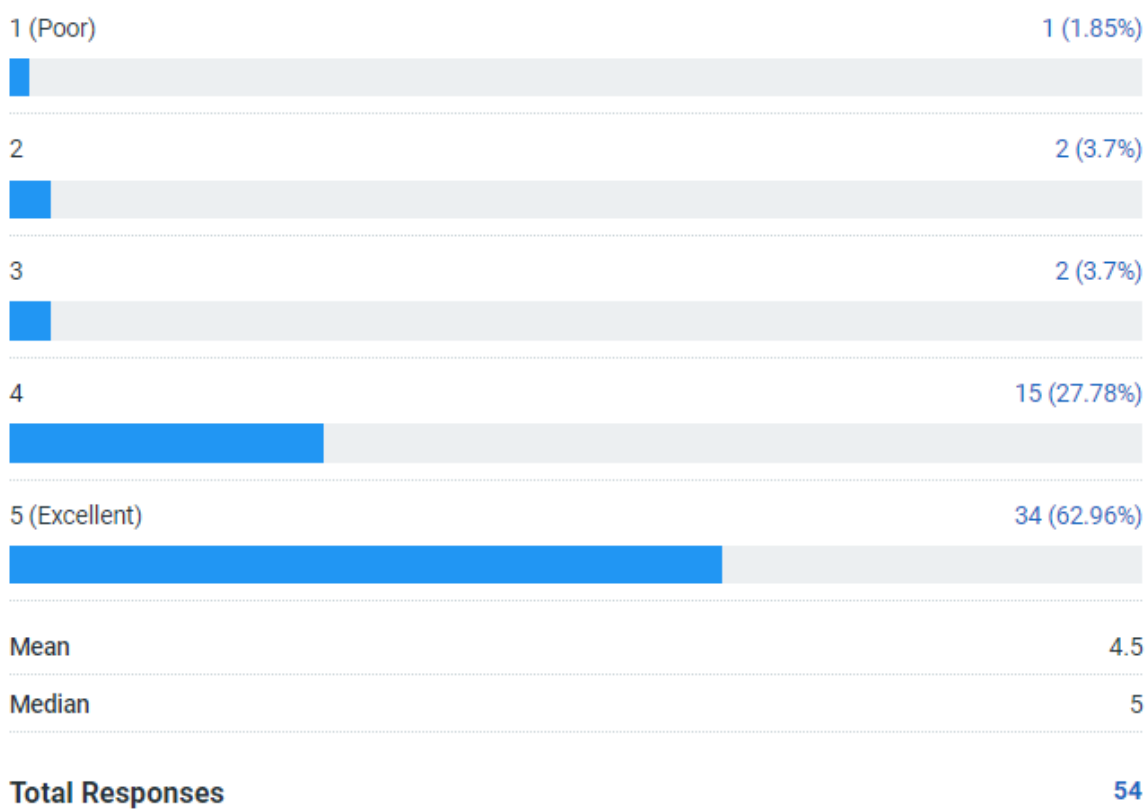
Length and timing of sessions

1 (Poor)	0 (0%)
2	0 (0%)
3	1 (1.85%)
4	20 (37.04%)
5 (Excellent)	33 (61.11%)
Mean	4.6
Median	5
Total Responses	54

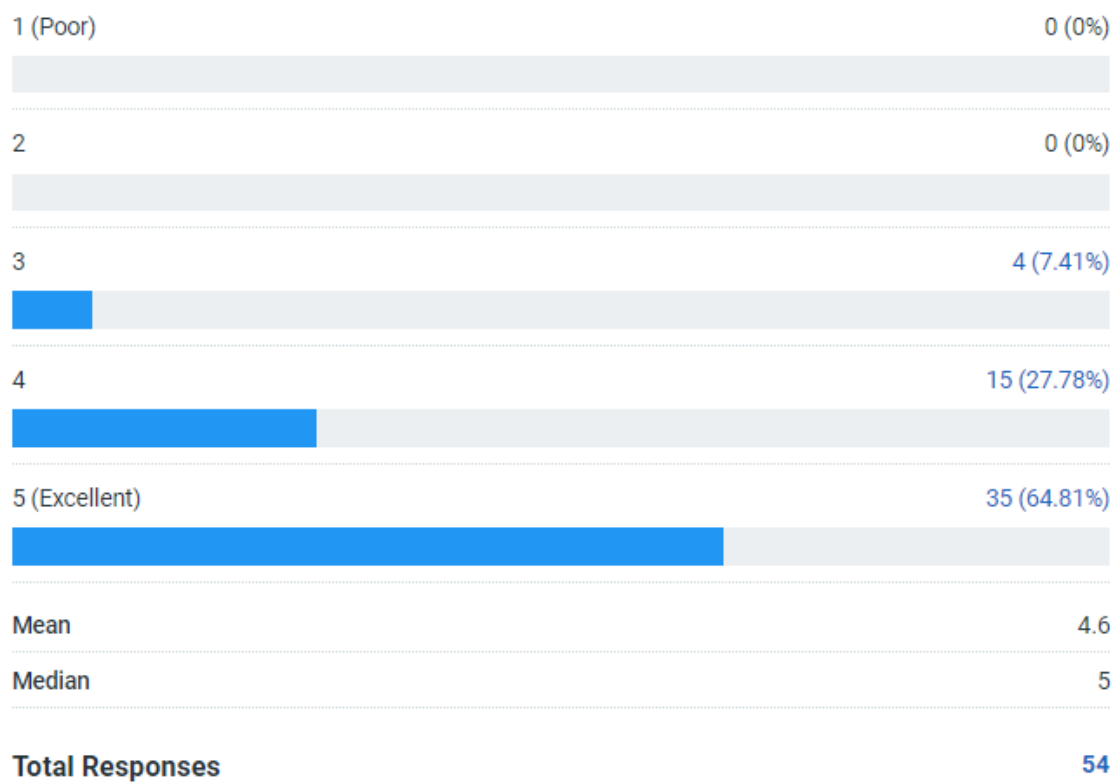
Moderated panel format

1 (Poor)	0 (0%)
2	3 (5.56%)
3	3 (5.56%)
4	14 (25.93%)
5 (Excellent)	34 (62.96%)
Mean	4.5
Median	5
Total Responses	54

Networking lunch (timing and format)



Overall event satisfaction



What topics and/or speakers would you like to see at future OC Water Summits?
I always like hearing about how Orange County is being affected by regional and statewide issues. I think the panels did well taking us out of our Orange County bubble. I think a similar format will work well in the future.
First two sessions were outstanding! Great way to start the day. Santa Ana River session could have had more time due to the number of speakers and interesting information they provided.
More scientists like Marty Ralph.
NOT a talk on the Delta! The variety of speakers and topics is why I like this conference the best, you always have new fresh exciting viewpoints. In the past I have loved the authors, winemakers, researchers, Farmers Almanac etc.... keep up the variety!!! The SAWPA GM's panel was very good this year.
The customer perspective; having a session with a residential, CII, irrigation, and other customers talk about water use.
President or Vice-President from ACWA, or Charlie Wilson, to discuss some of the regional efforts, etc.
Additional information on forecasting and capturing water from Atmospheric Rivers should be of interest. Also occasionally panel speakers tend to talk away from their individual mikes interrupting the flow of information...
Great to hear from regulators and Districts on the big picture plans and status. Also great to hear from the scientists associated with NOAA and other institutions.
There were only speakers patting themselves on the back for their performance. I did not hear any thought provoking ideas or challenges presented. The Assembly member promoting the more water now initiative and Poseidon was so far right and biased, there should have been another speaker to present another point of view, if balance and integrity in programming were a factor. Adele was the only thought provoking speaker. Great to see everyone.
I would like to further explore La Nina and El Nino phenomena.
Drought in the Colorado River and what are we doing to deal with it.
Great program. Great format for lunch
Water storage and transportation issues.
STATE (vs. local) drought measures and approaches.
Overall view of the Colorado river and its economic impact on the region and the U.S. contribution to GDP. Long term implication on supply affecting the economies of the west.
It appears that some speakers' presentation were repeats of other events. while that is standard practice, it would be nice to hear new material as well.
TED Talk Speaker Allan Savory. TED Talk: Allan Savory How to fight desertification and reverse climate change - Bing video

https://www.bing.com/videos/search?q=allan+savory+ted+talk&docid=608032683389639454&mid=CDB9FD6CD1476C729EFECDDB9FD6CD1476C729EFE&view=detail&FORM=VIRE

I thought everything was great. I would like to see a longer event in order to give the panelist a little longer to speak. Everything was relevant and interesting.

Water and recreation

water reuse and reclamation

Perhaps discuss the upcoming construction projects the various agencies plan to construct.
--

Is there anything else you would like to add?
Event was well organized and stayed on schedule, and on topic. Thanks!
Great event, I look forward to it every year.
Marty Ralph was the best speaker with the most relevant information.
The Honorable Devon Mathis was the WORDST speaker out of everyone, he didn't seem to understand that we are water professionals and not citizens that he's trying to get votes from. He talked to much. Also, when the PFAS session was occurring he was talking to some other people loudly to the side of the stage and was very distracting. He seems like a douchebag.
The last panel was annoying and a waste of time. Panel moderator talked to much and said too little.
In general, I prefer speakers (who can get into more depth on a topic) to panels. But for the most part (other than the last panel) the panels were well done.
VERY happy with the fact that Fritz keeps us on schedule!!!!
Would like a little more networking time, maybe after the second presentation/panel.
Thank you!
first time attending and it was a great event
Great job to the events team; the videos were awesome and the food was delightful.
I thought the event was fantastic, but I would encourage more mindfulness regarding the amount of speakers on stage. I believe one session had 5 speakers, which gave every speaker only a tiny slot of speaking time. I would also allow for a little more time dedicated to questions from the audience. Overall, the event was very well-structured and informative.
Great event.
Very appreciative of all the District staffs efforts on putting this on. For lunch, the servers were attentive and diligent in getting everyone at the same table feed As usual, the event was well planned, topical and informative Thank you....
I have attended many summits and felt this was the weakest program and the format should have been mixed up a little.
I realize that the lunch was pushed to the end because of COVID. But, I'm hoping that we can return to the norm in future years. Also, I prefer speakers to panelists, as panelists tend to stray off topic. Plus, they have no visuals to further cement their message, so it's easy to drift off in thought. I really wish everyone had kept to the mask mandate and worn them in the conference hall. It was a bit uncomfortable sitting with so many unmasked people in one room.
The large video screen was not an improvement over the two smaller screens used in the past. The graphics at the bottom were not possible to read as bodies and heads of speakers/guests were in the way.
Glad it was full house

The buffet lunch format is awkward.
The food was excellent.
Email further in advance to notify attendees that it takes about 10-minutes to walk from the parking to the venue when you account for waiting at the crosswalk.
More speaker time
solving more north/south divide issues, and should be include san joaquin valley as part of solving disadvantaged communities?

2021 O.C. Water Summit Budget			Amount	Notes
Income:				
Registration:				
Early bird (\$130)			\$ 7,410.00	Does not include \$390 for three cancellations
Late (\$150)			\$ 14,400.00	
Student (\$80)			\$ 240.00	
Total Registration:			\$ 22,050.00	
Sponsorships:				
Luncheon			\$ 7,500.00	
Program Sponsor			\$ 6,000.00	
Décor Sponsor			\$ 5,000.00	
Session Sponsor (\$2,500 each)			\$ 10,000.00	
Associate Sponsor (\$2000 each)			\$ 8,000.00	
Table (\$1,600)			\$ 25,600.00	
Exhibitor (\$1,000)			\$ 3,000.00	
Breakfast (\$1,200)			\$ 2,400.00	
Total Sponsorships:			\$ 67,500.00	
Total Income:			\$ 89,550.00	
Expenses:				
A/V+ lighting			\$ 28,789.10	
Food & beverage (including service fee and taxes)			\$ 44,294.60	
Speaker/staff hotel rooms (including service fee and taxes)			\$ 7,589.94	
Parking			\$ 1,500.00	Not charged for valet
Speaker travel fees/expenses			\$ 458.00	May increase
Speaker gifts			\$ 100.00	Fritz thank you
Speaker dinner			\$ 1,191.27	Jazz Kitchen
Radios			<i>TBD</i>	
Digital Program			\$ 168.00	Flipsnack
PayPal fees			\$ 1,581.99	Up to 10/18
Décor - stage setting			\$ 2,474.50	6 chairs and 5 tables
Décor - centerpieces			\$ 1,235.69	Awaiting partial refund
Signage			\$ 478.39	Office Depot
Video (Fritz, lead in videos)			\$ 250.00	Studio rental
Misc supplies			\$ 144.31	
Total Expenses:			\$ 90,255.79	



INFORMATION ITEM

December 6, 2021

TO: Planning & Operations Committee
(Directors Yoo Schneider, Nederhood, Seckel)

FROM: Robert Hunter, General Manager

Staff Contact: Sarah Wilson

SUBJECT: MWDOC Choice School Programs Update

STAFF RECOMMENDATION

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

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

The Municipal Water District of Orange County (MWDOC) K-12 Choice School Program contractors—Shows That Teach and Orange County Department of Education's Inside the Outdoors—continue to book live, interactive water lessons for the 2021/22 school year.

Also included in this report is a preview of scheduled visits for the months of December 2021 and January 2022. MWDOC Choice School Program contractors update the shared Google Calendar so that participating member agencies are able to view the virtual sessions in their service area as they are booked. Please note that the shared Google Calendar is updated frequently, and will always have the most accurate information. Visits are subject to change due to school and teacher availability. Login information for the shared Google Calendar is available upon request.

DETAILED REPORT

All MWDOC Choice School Programs incorporate hands-on interaction, pre- and post-program activities, and opportunities for family and community engagement. Presentations

Budgeted (Y/N): Y	Budgeted amount: \$430,221	Core <u> </u>	Choice <u>X</u>
Action item amount:	Line item: 63-7040		
Fiscal Impact (explain if unbudgeted):			

are offered to schools as either in-person or virtual. Included in this report is a detailed breakdown of each program's progress including teacher feedback, video links, and more.



MWDOC Choice Elementary School
Program (grades K-2)
December 6, 2021



Shows That Teach offers Orange County students in grades K-2 fun and informative assemblies that use music, humor, and audience participation to engage students in water-centric topics such as the water cycle, water supply resources, and using water wisely. This interactive program also includes hands-on pre- and post-activities that encourage students to reflect on their relationship with water. This program is offered either in person or virtually to K-2 students combined. Multiple classrooms and grade levels can participate simultaneously.

COMPLETED PARTICIPATION TO DATE:

Totals reflect the number of presentations *completed* and students seen since the start of the 2021-2022 school year.

- **In-person presentations hosted:** 20
- **Virtual presentations hosted:** 24
- **Total number of students seen:** 7,696
- **Presentations have been completed in the following service areas:** City of Anaheim, City of Brea, El Toro Water District, City of Fullerton, City of Garden Grove, City of Huntington Beach, City of La Palma, Moulton Niguel Water District, City of Orange, City of Santa Ana, Santa Margarita Water District, South Coast Water District, Trabuco Canyon Water District, City of Tustin, City of Westminster

SCHEDULED PARTICIPATION TO DATE:

Totals reflect the number of presentations currently *scheduled* and students expected to participate in the upcoming months of the 2021-2022 school year.

- **In-person presentations scheduled:** 5
- **Virtual presentations scheduled:** 7
- **Total number of students expected:** 1,092
- **Upcoming presentations have been scheduled in the following service areas:** City of Buena Park, El Toro Water District, City of Fullerton, City of Huntington Beach, City of Orange, City of San Clemente, City of San Juan Capistrano, City of Santa Ana

ADDITIONAL PROGRAM DETAILS AND MEASUREMENTS:

“Students really enjoyed the assembly. It was a great combination of humor and education. The students were engaged and loved the musical components. We have had water assemblies from other companies in the past, but this was by far the best. Thank you, Water District!”

--Ms. Webb, First and Second Grade Teacher, Canyon Rim Elementary, Anaheim

“Students loved it! They liked seeing Puey on the drone, especially at the beach. Your videos are a piece of fresh air. Thank you!”

--Mrs. Orman, kindergarten teacher, Anderson Elementary, Garden Grove

A 60 second video clip of an outdoor Waterology performance at Nelson Elementary in Tustin:

https://drive.google.com/file/d/16KuWkiuGYI2LWVng5ZN3X6S1C83QnzA9/view?usp=s_haring



**MWDOC Choice Elementary School
Program (grades 3-5)**
December 6, 2021



Orange County Department of Education's Inside the Outdoors offers Orange County students in grades 3-5 interactive, grade-specific lessons that engage students in valuable instruction on the history of California water, local climate and water sources, and how to use water efficiently. Each session includes student prompted interaction, demonstrations, and pre- and post-activities that guide students to examine how access to a reliable source of drinking water is important to every community. Participating students and their families also receive resources that complement the topics covered during the classroom session. This program is offered either in person or virtually to students in grades 3-5.

- 💧 **3rd Grade:** Compare and describe diverse weather and climate data and explore personal choices to protect our local water resources.
- 💧 **4th Grade:** Identify the key role water plays in California's history including the growth and expansion of towns and cities.
- 💧 **5th Grade:** Examine existing water management solutions and determine ways to protect the quality and quantity of water.

COMPLETED PARTICIPATION TO DATE:

Totals reflect the number of presentations *completed* and students seen since the start of the 2021-2022 school year.

- 💧 **In-person presentations hosted:** 0
- 💧 **Virtual presentations hosted:** 12
- 💧 **Total number of students seen:** 1,017
- 💧 **Presentations have been completed in the following service areas:** City of Anaheim, City of Santa Ana

SCHEDULED PARTICIPATION TO DATE:

Totals reflect the number of presentations currently *scheduled* and students expected to participate in the upcoming months of the 2021-2022 school year.

- 💧 **In-person presentations scheduled:** 54
- 💧 **Virtual presentations scheduled:** 38
- 💧 **Total number of students expected:** 6,928
- 💧 **Upcoming presentations have been scheduled in the following service areas:**
 - City of Anaheim
 - City of Garden Grove
 - City of Huntington Beach
 - City of Buena Park
 - City of La Palma
 - City of Fountain Valley
 - City of Santa Ana
 - City of Fullerton
 - City of Orange

- City of Tustin
- Moulton Niguel WD

ADDITIONAL PROGRAM DETAILS AND MEASUREMENTS:

To date, OCDE/ITO has received interest from the following schools and is working with teachers to schedule those presentations:

- Eight (6) schools in the City of Fullerton
- One (1) school in the City of La Habra
- One (1) school in the City of Orange
- Twelve (12) schools in the City of Santa Ana
- One (5) school in the City of Anaheim
- One (2) school in the City of Brea
- One (1) school in El Toro Water District service area
- One (2) school in the City of Fountain Valley
- One (1) schools in the City of Buena Park
- Three (3) school in the City of Huntington Beach
- Four (4) schools in the City of Garden Grove
- Two (3) schools in the City of San Clemente
- One (1) school in Santa Margarita WD service area
- One (1) school in South Coast WD service area

Once scheduled, the shared calendar of visits will be updated.

Most schools that have shown interest, or have been scheduled, will have three grades (3-5) participating for three assemblies each.



**MWDOC Choice Middle and High
School Programs (grades 6-12)**
December 6, 2021



Orange County Department of Education's Inside the Outdoors offers Orange County students in grades 6-12 grade-specific classroom sessions that guide students to investigate challenges faced by water providers and identify sources of human impact on the quality, quantity, and availability of water in their communities. Each session includes student prompted interaction, demonstrations, and pre- and post-activities that engage students in developing solutions to real-world problems. Participating students also have the opportunity to engage in field study or volunteer days of service to receive credit toward their required service hours. This program is offered either in person or virtually to students in grades 6-12.

- ◆ **6th-8th Grade:** Students analyze water samples to identify sources of potential pollution and form strategies to monitor or minimize pollution.
- ◆ **9th-12th Grade:** Students collect and analyze data to explore the role of the Sacramento-San Joaquin Delta and its connection to our local water resources.

COMPLETED PARTICIPATION TO DATE:

Totals reflect the number of presentations *completed* and students seen since the start of the 2021-2022 school year.

Middle School Program (grades 6-8)

- ◆ **In-person presentations hosted:** 0
- ◆ **Virtual presentations hosted:** 0
- ◆ **Total number of students seen:** 0
- ◆ **Presentations have been completed in the following service areas:** 0

High School Program (grades 9-12)

- ◆ **In-person presentations hosted:** 0
- ◆ **Virtual presentations hosted:** 0
- ◆ **Total number of students seen:** 0
- ◆ **Presentations have been completed in the following service areas:** N/A

SCHEDULED PARTICIPATION TO DATE:

Totals reflect the number of presentations currently *scheduled* and students expected to participate in the upcoming months of the 2021-2022 school year.

Middle School Program (grades 6-8)

- ◆ **In-person presentations scheduled:**
- ◆ **Virtual presentations scheduled:** 2
- ◆ **Total number of students expected:** 67
- ◆ **Upcoming presentations have been scheduled in the following service areas:**
 - City of Tustin

High School Program (grades 9-12)

- ◆ In-person presentations scheduled: 1
- ◆ Virtual presentations scheduled: 0
- ◆ Total number of students expected: 24
- ◆ Upcoming presentations have been scheduled in the following service areas:
 - City of Anaheim

ADDITIONAL PROGRAM DETAILS AND MEASUREMENTS:

To date, OCDE/ITO has received interest from the following schools and is working with teachers to schedule those presentations:

- Three (3) school in the City of Anaheim service area
- One (1) school in the City of Brea service area
- One (1) school in the City of San Clemente

Once scheduled, the shared calendar of visits will be updated.

With middle schools and high schools in Orange County, it takes more time to coordinate outside programs for their students. That is due to limited instructional time teachers have in these grades, as well as having multiple classes in secondary. There is still interest in water education programs and the ODCE/ITO team is identifying the teachers that will be the best fit.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	1	2	3	4
5	6	7	8	9	10	11
	3-5 City of Anaheim		3-5 City of Buena		3-5 City of K-2 SAN CLEMENTE	
12	13	14	15	16	17	18
			3-5 City of Anaheim K-2 FULLERTON		3-5 City of Anaheim	
19	20	21	22	23	24	25
26	27	28	29	30	31	1

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10 K-2 ETWD San K-2 HUNTINGTON K-2 ORANGE Olive	11 3-5 City of Santa	12 9-12 City of K-2 ORANGE West	13 3-5 City of Fullerton 3-5 City of La Palma	14	15
16	17	18	19 3-5 City of Fountain	20	21	22
23	24	25 3-5 City of Garden K-2 SANTA ANA	26 K-2 SAN JUAN	27 3-5 City of Garden	28 3-5 City of Garden K-2 BUENA PARK	29
30	31	1 3-5 City of Santa	2	3	4	5

ENGINEERING & PLANNING	
East Orange County Feeder No. 2 (EOCF#2) Emergency Pilot Program	Staff and Means Consulting continue to work with Metropolitan (MET) on defining 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, consistent with MET Administrative Code Section 4519. As indicated previously, this is a multi-year effort. The intended outcome of this effort is a set of guidelines for MET member agencies to use to establish emergency pump-in programs to MET's system. Hazen & Sawyer is also providing technical assistance for this effort.
Economic Benefit Studies and Modeling Work to Quantify the Benefits of Local Projects in the Context of MET's 2020 Integrated Resources Plan (IRP)	<p>MWDOC staff continues working with the Brattle Group and CDM Smith on the Economic Benefits Studies and modeling work.</p> <p>Wallace Walrod, economist for Orange County Business Council and sub-consultant for the Brattle Group, is leading the business survey portion of the economic benefit studies. The business survey instrument has been completed. Cal State University, Fullerton's Social Science Research Center (CSUF)'s Institutional Review Board has reviewed and approved the survey. CSUF is currently working on wrapping up the business survey.</p> <p>The current schedule anticipates completion of 400 Orange County business surveys by the end of October 2021 and Dr. Walrod and Dr. Boarnet anticipate completion of the business impact analysis by December 2021. A presentation of results is anticipated at P&O Committee once the data has been analyzed.</p>
OC-70 Meter Testing Update	See write-up in this packet.
Reliability Study Update	<p>Staff are working with CDM Smith on an update to the reliability study. The update will look at a total of 5 scenarios that include recent information including uncertainty about the Delta Conveyance Project and more recent Climate Change impact information. The update will incorporate the latest demand forecasts from the 2020 Urban Water Management Planning efforts, update project cost information, and include updated information from MET's 2020 IRP process. Staff participated in a meeting with MET staff and CDM Smith on September 25, 2021 to discuss supply projections for the State Water Project and the Colorado River Aqueduct as they relate to the reliability study update.</p> <p>Staff anticipates the update to be completed in early December 2021. Staff will then bring the study results to the Board for discussion.</p>
Doheny Ocean Desalination Project	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

	<p>necessary permits by the end of the 1st Quarter of 2022 and estimates an on-line date of early 2026, if approved by the SCWD Board.</p> <p>On July 22, 2021, SCWD conducted its 7th workshop on the SCWD Integrated Water Resources Plan (IWRP). Included in that plan was consideration of a strategy for various options for the Doheny Ocean Desalination Project. The SCWD Board approved an adaptive management strategy which includes proceeding with efforts to secure partners for a 5 MGD Doheny Ocean Desalination Project. If SCWD is unsuccessful in securing partners SCWD will proceed with construction of a smaller 2 MGD project that does not have future expansion capabilities.</p> <p>SCWD held a Special Board Meeting on September 2, 2021 to discuss the financial implications of the project. Clean Energy Capital (CEC) presented a water cost analysis for the project where CEC presented cost projections for a 2 MGD project with an estimated 1st year water cost of \$1,928/AF in 2021\$, and a 5 MGD project with an estimated 1st year water cost of \$1,479/AF in 2021\$. The SCWD Board actions included accepting the water cost analysis; initiating a Public Outreach Program supporting the implementation of the project; re-engaging with task-related consultants for the development of necessary contract activities; and authorizing the SCWD General Manager to develop a partnership education plan to pursue and secure partnerships with local agencies to realize the cost savings a 5 MGD project provides.</p> <p>SCWD anticipates an update on the third party hydrogeology study of the San Juan Basin in December 2021/January 2022.</p>
Poseidon Resources Huntington Beach Ocean Desalination Project	<p>On April 29, 2021, the Santa Ana Regional Water Quality Control Board (SARWQCB) conditionally renewed Poseidon's permit governing the seawater intake and waste discharges. The SARWQCB order requires Poseidon to minimize negative impacts on marine life by directing them to undertake a series of mitigation measures and prohibiting the intake of seawater and the discharge of concentrated brine until certain conditions are met.</p> <p>The next step for Poseidon includes seeking permits from the California Coastal Commission (CCC), which is anticipated to occur during the first quarter of 2022.</p>
Shutdowns	<p>Diemer Water Treatment Plant</p> <p>MET is planning to repair a chlorine diffuser pipe at the Diemer WTP which requires a seven-day full-plant shutdown. Shutdown dates are being evaluated by MET staff at this time.</p> <p>Orange County Feeder</p> <p>MET is planning to reline and replace valves in a section of the Orange County Feeder from Bristol Ave to Corona Del Mar – this is the last section of this 80-year-old pipeline to be lined.</p>

MET has delayed the relining project and has proposed new shutdown dates of September 15, 2022 through June 15, 2023.

Orange County Feeder Extension

MET is planning to reline 300-linear feet of the OC Feeder extension affecting the City of Newport Beach, IRWD and LBCWD. MWDOC and the City are meeting with MET staff to review details of the Traffic Control Plan.

MET has delayed the relining project by one year and has proposed new shutdown dates of June 16, 2023 through July 10, 2023.

Orange County Reservoir (OC Feeder)

The decommissioning of the Orange County Reservoir has been rescheduled to March 20, 2022 through March 25, 2022. This work will affect the cities of Brea and La Habra.

Lake Mathews Facility Shutdown

MET is planning rehabilitation work on Lake Mathews facilities from March 14, 2022 through March 23, 2022. Work on Lake Mathews will affect downstream untreated lines. The following agencies will be affected during the shutdown: OCWD, YLWD, Serrano WD, IRWD, TCWD, ETWD, SMWD, MNWD, and the City of San Clemente.

Allen-McColloch Pipeline

MET has completed 50% of the preliminary design of the AMP PCCP rehabilitation and is expected to be complete with the design by 2023. Preliminary design work currently underway includes identifying priority reaches, developing access locations, conducting geotechnical assessments, modeling a surge analysis, conducting real property assessments, identify permitting requirements and development of a feeder isolation plan. A draft project schedule will be developed at the completion of preliminary design. Rehabilitation of individual reaches will be based on the ongoing condition assessments, priorities, and shutdown scheduling.

The first working group meeting with the impacted AMP agencies and MET was held on September 28, 2021. MET presented several options in their construction approach to completing the relining of the AMP. Each option includes multiple shutdowns with varying lengths and costs as shown in the graphic below.

	<table><tr><th>3 Shutdowns (\$160M) 4.5 to 6 Mos./Shutdown</th><th>6 Shutdowns (\$185M) 1.5 to 3 Mos./Shutdown</th><th>14 Shutdowns (\$200 M) 1 Mo. & ~0.6 Mi. /Shutdown</th></tr><tr><td rowspan="2">Contract 2 (\$59M) 3.2 Mi., 5.5 Mos.</td><td>Contract 2A (\$38M) 2.1 Mi., 3 Mos.</td><td>Contract 2A.1</td></tr><tr><td>Contract 2B (\$20M) 1.1 Mi., 2.5 Mos.</td><td>Contract 2A.2</td></tr><tr><td rowspan="2">Contract 3 (\$53M) 2.9 Mi., 6 Mos.</td><td>Contract 3A (\$27M) 1.2 Mi., 2.5 Mos.</td><td>Contract 2A.3</td></tr><tr><td>Contract 3B (\$35M) 1.7Mi., 3.5 Mos.</td><td>Contract 2B.1</td></tr><tr><td rowspan="2">Contract 4 (\$48M): 2.5 Mi., 4.5 Mos.</td><td>Contract 4A (\$44M) 1.7 Mi., 3 Mos.</td><td>Contract 2B.2</td></tr><tr><td>Contract 4B (\$21M) 0.8 Mi., 1.5 Mos.</td><td>Contract 3A.1</td></tr><tr><td></td><td></td><td>Contract 3A.2</td></tr><tr><td></td><td></td><td>Contract 3A.3</td></tr><tr><td></td><td></td><td>Contract 3B.1</td></tr><tr><td></td><td></td><td>Contract 3B.2</td></tr><tr><td></td><td></td><td>Contract 4A.1</td></tr><tr><td></td><td></td><td>Contract 4A.2</td></tr><tr><td></td><td></td><td>Contract 4B.1</td></tr><tr><td></td><td></td><td>Contract 4B.2</td></tr></table>	3 Shutdowns (\$160M) 4.5 to 6 Mos./Shutdown	6 Shutdowns (\$185M) 1.5 to 3 Mos./Shutdown	14 Shutdowns (\$200 M) 1 Mo. & ~0.6 Mi. /Shutdown	Contract 2 (\$59M) 3.2 Mi., 5.5 Mos.	Contract 2A (\$38M) 2.1 Mi., 3 Mos.	Contract 2A.1	Contract 2B (\$20M) 1.1 Mi., 2.5 Mos.	Contract 2A.2	Contract 3 (\$53M) 2.9 Mi., 6 Mos.	Contract 3A (\$27M) 1.2 Mi., 2.5 Mos.	Contract 2A.3	Contract 3B (\$35M) 1.7Mi., 3.5 Mos.	Contract 2B.1	Contract 4 (\$48M): 2.5 Mi., 4.5 Mos.	Contract 4A (\$44M) 1.7 Mi., 3 Mos.	Contract 2B.2	Contract 4B (\$21M) 0.8 Mi., 1.5 Mos.	Contract 3A.1			Contract 3A.2			Contract 3A.3			Contract 3B.1			Contract 3B.2			Contract 4A.1			Contract 4A.2			Contract 4B.1			Contract 4B.2
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	Additional working group meetings will be held to discuss the feasibility of each option.																																										
Meetings																																											
	MWDOC staff along with ABS Consulting, IDS Group and Optima RPM participated in several construction progress meetings in the month of November regarding the admin building seismic retrofit and remodel. Meetings concerning close-out and final punch list items are being held.																																										
	Charles Busslinger and Chris Lingad attended the South OC Flow Ecology Study Stakeholder and Technical Advisory Group on November 2, 2021 where conclusions and potential applications of the study were presented.																																										

General Manager Report

WEROC Status Report

November 2021

COVID-19 (CORONA VIRUS) COORDINATION

- WEROC continues to monitor the CDC, State and County for changing information and is sharing information with agencies.
- WEROC continues to support agencies with COVID-19 related questions and guidance needs.
- WEROC continues to hold bi-weekly conference calls on Tuesdays with member agencies, as requested by the agencies to continue to support the sharing of information.
- On 11/4, WEROC distributed the information released by OSHA regarding the COVID ETS. The biggest items identified is the requirement of testing for employers with 100 employees or more. WEROC is now waiting on CalOSHA if these measures will be adopted as is, or if the state will enforces a more stringent regulations for employers.
- On the 11/9 WEROC Bi-weekly Conference Call, Dr CK, Deputy County Health Officer joined our call to discuss the recent changes to the 10/12 revised local health order to to address the removal of the critical infrastructure language and the way the current health officer order is written, if an employee has covid like symptoms but are negative, employees are still required to be out for minimum of 10days.

Here is the language removed: The previous language in the Health Officer Order “During critical staffing shortages, the following asymptomatic persons who are not fully vaccinated for COVID-19 are not required to quarantine: • Health care providers; • Emergency responder; and • Social service workers who work face to face with clients in the child welfare system or in assisted living facilities.” Is not longer applicable. Everyone has to follow the updated quarantine/isolation order.

On 11/17, a new health officer order was issued, but the language above remains. WEROC continues to advocate for the water and wastewater agencies on this topic with the County Health Officer as this creates a business continuity issue.

- On 11/18, the California OSHA meeting on the ETS 3205 procedures was postponed due to the federal courts involvement with the OSHA testing mandates across the country. WEROC will continue to monitor changing information and share with the agencies as warranted.
- On 11/19, WEROC placed an order with OCHCA for testing kits. Nine WEROC member agencies took advantage of this logistics process this round. Other agencies either have other manes in place, or will place an order next round. The logistics request was for 2300 kits which Daniel is currently distributing to the requesting agencies the last week of November.

NOVEMBER INCIDENTS/EVENTS (NON-COVID)

**The following are events in which WEROC provided information and/or coordination

- Oil Spill 10/2 Pipeline P00547 Incident
- Public Safety Power Shutoff (2) Events

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

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

- On 11/4, the WEROC team attended the virtual Orange County Emergency Management Organization (OCOMO). Presentation topics included Damage Assessment in the County presented by OC Public Works and COAD-OC, Collaborative Organizations Active in Disaster which is the County nonprofit organizations that support local government during an incident.
- On 11/5, Vicki attended the WACO meeting and provided an update on the activities of WEROC to the group.
- On 11/9, the WEROC team attended the Orange County Winter Weather Workshop. The National Weather Services presented on the outlook for this winter in regards to La Nina, moisture and Santa Ana Wind Events. Additionally, presentations were made by the OC Public Works department on the ALERT weather system and hot spots in the county in regards to flooding.

- On 11/10, Vicki attended the California Emergency Services Association Fall Workshop. The speaker, West Yost Associated presented on cyber security.
 - On 11/16, Vicki attended the City of Fountain Valley City Council Meeting. Hye Jin Lee, Director at FV was presenting on the end product from the AWIA project. The city of Fountain Valley invite WEROC to do a presentation on what WEROC is, and what services it provides which is vital to the water and wastewater industry.
 - On 11/19, Vicki attended the Public Safety Power Shutoff Critical Infrastructure briefing proving an overview of the incoming weather predictions and potential actions by SCE.
-

PLANNING AND PROGRAM EFFORTS

- America's Water Infrastructure Act (AWIA) Project - The final phases of this project continues to progress. All agencies are ready to do the final certification on December 31st. Vicki will be presenting on the AWIA project at the January P&O meeting with HSG to recap the project and the final steps of the project.
- AlertOC - Janine continues as the Project Manager work on obtaining the AlertOC MOUs from the participating agencies. As of the time of this report, there was only 5 agencies still outstanding and this should be completed by the deadline set of December 31, 2021.
- 800 Mhz Radio Agreement – Daniel continues to assist agencies with questions and the process for executing Joint Agreement for the Operation, Maintenance, and Financial Management of the Orange County 800 Megahertz Countywide Coordinated Communications System. This is the system which fulfills the WEROC radio system and the MWDOC board approved the agreement at the last board meeting. The County of Orange has requested WEROC to assist with tracking down and getting agencies to sign the agreement. As of the time of this report, 8 of the 19 special districts have returned their agreements to the County and included a copy of their agreement to WEROC. Daniel is following up with agencies.
- Cyber Security - Daniel continues to share cyber information received from the OCIAC and DHS with member agencies. On 11/22 Vicki and Daniel attended the kickoff meeting with MWDOC IT Department on the planning of the o365 migration. Vicki is working on the MWDOC Cyber Event After Action Report. This report will be completed in December. Vicki continues to update the Incident Action plan from the August event.

- WEROC Emergency Operations Center Funding - On 11/18, Vicki attended with President Tamaribuchi and Heather Baez a meeting with Supervisor Bartlett's office regarding the WEROC Emergency Operations Center Funding. Additional information was sent to the office in regards to WEROC and the project. More information will be provided by either myself or Heather as we hear further.

On 11/18, Vicki attended the California Office of Emergency Services (CalOES) Hazard Mitigation Notice of Interest Webinar. While CalOES does not know the exact amount of HMP or Post Disaster 404 monies at this time, the application for the 2021 Hazard Mitigation Funding Notice of Interest application is due to the state by December 31st. Vicki will be submitting the EOC project for this funding. Construction is an allowable cost for this grant, however there is some rules which must followed here are a couple of examples (1) ground breaking on construction cannot be started until an award letter is received following the submission of the full application including a Business Cost Analysis (BCA), Award letters are scheduled to be released towards the end of March tentatively (2) this is a match grant and funding cannot be from other federal funding sources. Vicki will brief the board as warranted.

- Other Coordination topics discussed and planning efforts outside of COVID conducted on the Bi-Weekly coordination calls during September and October included:
 - Cyber
 - Drought
 - Suspicious Activity at a Water Agency in November
 - Training

TRAINING AND EXERCISES

- Daniel attended the Public Information Officer Communications Course taught by the California Standardized Training Institute (CSTI) which is a branch under the California Office of Emergency Services. This was a free course held up at the County Emergency Operations Center.

**Status of Water Use Efficiency Projects
November 2021**

Description	Lead Agency	Status % Complete	Scheduled Completion or Renewal Date	Comments
Smart Timer Rebate Program	MWDSC	Ongoing	Ongoing	In October 2021, 119 residential and 0 commercial smart timers were installed in Orange County. To date, 32,010 smart timers have been installed through this program.
Rotating Nozzles Rebate Program	MWDSC	Ongoing	Ongoing	In October 2021, 257 rotating nozzles were installed in Orange County. To date, 571,609 rotating nozzles have been installed through this program.
SoCal Water\$mart Residential Indoor Rebate Program	MWDSC	Ongoing	Ongoing	In October 2021, 137 high efficiency clothes washers and 8 premium high efficiency toilets were installed in Orange County. To date, 124,957 high efficiency clothes washers and 60,783 high efficiency toilets have been installed through this program.
SoCal Water\$mart Commercial Rebate Program	MWDSC	Ongoing	Ongoing	In October 2021, no commercial devices were installed in Orange County. To date, 111,402 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 for customers to implement custom water-saving projects. Total water savings to date for the entire program is 1,284 AFY and 6,337 AF cumulatively.

Description	Lead Agency	Status % Complete	Scheduled Completion or Renewal Date	Comments
Turf Removal Program	MWDOC	Ongoing	Ongoing	In October 2021, 21 rebates were paid, representing \$57,511.64 in rebates paid this month in Orange County. To date, the Turf Removal Program has removed approximately 23.7 million square feet of turf.
Spray to Drip Rebate Program	MWDOC	Ongoing	Ongoing	In October 2021, 6 rebates were paid, representing \$6,342.50 in rebates paid this month in Orange County. To date, the Spray to Drip Program has converted approximately 1.4 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, 178 sites, irrigating a total of 1,654 acres of landscape, have been converted. The total potable water savings achieved by these projects is 3,646 AFY and 17,941 AF cumulatively.

Public & Governmental Affairs Activities Report
October 26, 2021 – November 30, 2021

Item No. 21d

Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Hosted Public Affairs Workgroup (PAW) workshop on Diversity, Equity, and Inclusion presented by Benita Lynn Horn, Principal Public Affairs Representative, Metropolitan Water District of Southern California, and BeNeca Griffin, CEO, Moments of Focus • Produced, printed, and delivered Winter 2021 bill inserts for member agencies to promote the following rebates and programs: turf removal, spray-to-drip irrigation, landscape design assistance program, high efficiency clothes washers, flow monitoring devices, and high efficiency toilets • Updated MWDOC collateral and website to reflect Santa Margarita Water District's addition of San Juan Capistrano <p>Government Affairs Staff:</p> <ul style="list-style-type: none"> • Prepared a letter of support from MWDOC for East Orange County Water District's WaterSMART grant application to the Bureau of Reclamation • Hosted a Grants Tracking and Acquisition meeting for member agencies with Joey Soto, who provided an update on current grant opportunities and upcoming deadlines • Participated in the MWDOC Member Agency Managers meeting
Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Speakers Bureau: Presented the session "Building and Nurturing Strategic Partnerships That Win-Win" at the California Association of Public Information Officials annual conference • Assisted Director Erdman with a Speakers Bureau presentation for the Laguna Niguel Men's Club • Participated in the Orange County Community Foundation's Workforce Development Task Force meeting • Participated in Orange County Business Council's (OCBC) Economic Development Committee meeting • Participated in OCBC's Diversity, Equity, & Inclusion committee meeting • Prepared and distributed the December issue of MWDOC's eCurrents newsletter • Prepared materials and staffed an information booth at the Santiago Canyon College career fair <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in the ACC-OC Energy, Environment, and Water Committee meeting • Attended the OCBC Governmental Affairs Committee meeting • Participated in the OCBC Infrastructure Committee meeting
Education	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> • Participated in the California Department of Water Resources Water Education Committee Meeting

	<ul style="list-style-type: none"> • Participated in the bi-weekly California Environmental Literacy Initiative Green Career Innovation Hub • Met with Orange County Department of Education, Inside the Outdoors, to discuss an opportunity for participation in Orange County Academic Decathlon and Pentathlon • Met with Hashtag Pinpoint and Orange County Department of Education's Inside the Outdoors to film education videos in partnership with Metropolitan Water District of Southern California • Provided information regarding the MWDOC Choice School Programs to the City of Newport Beach, City of Westminster, City of Buena Park, and Santa Margarita Water District • Met with Big Picture Learning to discuss workforce development training opportunities for teachers and students
Media Relations	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> • Composed and distributed a news release announcing the MWDOC Board action to Activate District's Water Shortage Contingency Plan • Met with OC Register to discuss drought
Special Projects	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Met with the Wyland Foundation, Santiago Canyon College, and City of Westminster staff to discuss irrigation for National Mayor's Challenge Pocket Park project at Coronet Park • Prepared and hosted a Water Energy Education Alliance Leadership Roundtable meeting • Participated in the Metropolitan Water District of Southern California PIO Working Group Meeting emphasizing on drought messaging • Updated the 2021 WEROC Briefing Paper • Participated in the OC Water Summit Ad Hoc Committee Meeting • Began preparations for the 2022 OC Water Summit <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Contacted numerous speakers for upcoming WACO meetings in December and February • Staffed the ISDOC Executive Committee meeting • Staffed the WACO meeting featuring speaker, Dan Walters • Staffed the WACO Planning Committee meeting and provided updates on speakers for future programs

Legislative Affairs	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in the ACWA Region 10 State Legislative Committee meeting annual planning preparation call • Attended the CSDA Legislative Committee annual planning meeting • Participated in the CMUA Legislative and Regulatory Committees' annual planning meeting • Participated in the ACWA working group on non-functional turf • Coordinated a meeting with Supervisor Lisa Bartlett's Chief-of-Staff to outline our request for funding for the WEROC EOC • Participated in the ACWA Indoor Water Use Standards working group meeting
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