

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

Jointly with the
ADMINISTRATION & FINANCE COMMITTEE

May 12, 2021, 8:30 a.m.

Due to the spread of COVID-19 and as authorized by the Governor's Executive Order, MWDOC will be holding all upcoming Board and Committee meetings 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

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.

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>.

PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – April 2021
 - b. Disbursement Approval Report for the month of May 2021
 - c. Disbursement Ratification Report for the month of April 2021

- d. GM Approved Disbursement Report for the month of April 2021
 - e. Consolidated Summary of Cash and Investment – March 2021
 - f. OPEB and Pension Trust Fund monthly statement
2. FINANCIAL REPORT
- a. Combined Financial Statements and Budget Comparative for the Period Ending March 31, 2021
 - b. Quarterly Budget Report

ACTION ITEMS

3. ANNUAL REVIEW OF DISTRICT INVESTMENT POLICY AND GUIDELINES

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.)

4. DEPARTMENT ACTIVITIES REPORTS
- a. Administration
 - b. Finance and Information Technology
5. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

OTHER ITEMS

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

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.

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

WATER REVENUES

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
4/02/2021	City of San Clemente	February 2021 Water deliveries	536,580.79
4/05/2021	City of Buena Park	February 2021 Water deliveries	36,616.19
4/05/2021	City of Fountain Valley	February 2021 Water deliveries	11,905.97
4/05/2021	City of La Habra	February 2021 Water deliveries	24,467.91
4/05/2021	City of La Palma	February 2021 Water deliveries	2,624.29
4/05/2021	City of Seal Beach	February 2021 Water deliveries	8,921.78
4/05/2021	Mesa Water District	February 2021 Water deliveries	235.15
4/05/2021	Serrano Water District	February 2021 Water deliveries	7,589.60
4/08/2021	South Coast Water District	February 2021 Water deliveries	337,211.85
4/12/2021	El Toro Water District	February 2021 Water deliveries	372,176.57
4/12/2021	Laguna Beach County Water District	February 2021 Water deliveries	155,307.66
4/12/2021	Santa Margarita Water District	February 2021 Water deliveries	1,500,109.20
4/13/2021	City of Garden Grove	February 2021 Water deliveries	195,443.48
4/14/2021	City of Orange	February 2021 Water deliveries	100,771.30
4/14/2021	City of San Juan Capistrano	February 2021 Water deliveries	435,424.08
4/14/2021	East Orange Co Water District	February 2021 Water deliveries	519,440.85
4/14/2021	Trabuco Canyon Water District	February 2021 Water deliveries	114,946.68
4/15/2021	Golden State Water Company	February 2021 Water deliveries	309,954.60
4/15/2021	Irvine Ranch Water District	February 2021 Water deliveries	1,596,238.59
4/15/2021	Moulton Niguel Water District	February 2021 Water deliveries	1,779,757.13
4/15/2021	Orange County Water District	February 2021 Water deliveries	419,106.01
4/15/2021	Yorba Linda Water District	February 2021 Water deliveries	1,230,348.64
4/27/2021	City of Newport Beach	March 2021 Water deliveries	24,399.51
4/29/2021	Serrano Water District	March 2021 Water deliveries	7,589.60
4/30/2021	City of Brea	March 2021 Water deliveries	15,078.35
4/30/2021	City of Huntington Beach	March 2021 Water deliveries	169,357.28


TOTAL WATER REVENUES \$ 9,911,603.06

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

MISCELLANEOUS REVENUES

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
4/05/2021	Karl Seckel	April 2021 Retiree Health insurance	241.40
4/05/2021	Meszaros, Patricia	April 2021 Retiree Health insurance	40.63
4/05/2021	Keith Lyon	April 2021 Retiree Health insurance	271.85
4/22/2021	Judy Pfister	Apr-Jun 2021 Retiree Health insurance	121.89
4/19/2021	Igoe and Company Inc	Feb-Mar 2021 COBRA and Retiree Vision insurance	118.30
4/22/2021	Stan Sprague	May 2021 Retiree Health insurance	241.40
4/29/2021	Keith Lyon	May 2021 Retiree Health insurance	271.85
4/15/2021	US Bank	Monthly Analysis refund - ACH Fee	12.00
4/30/2021	US Bank	Monthly Interest	2.90
4/20/2021	US Bank Custodial Account	National Rural Utilities Coop and Comenity Capital interest payment	740.99
4/21/2021	Igoe and Company Inc	Net refund for FSA	49.60
4/22/2021	Irvine Ranch Water District	January 2021 Smartimer rebate program	6,137.97
4/14/2021	El Toro Water District	February 2021 Smartimer rebate program	6.95
4/22/2021	Irvine Ranch Water District	February 2021 Smartimer rebate program	29,172.79
4/26/2021	Laguna Beach County Water District	February 2021 Smartimer rebate program	99.99
4/12/2021	Moulton Niguel Water District	February 2021 Smartimer rebate program	20,203.42
4/12/2021	Mesa Water District	February 2021 Smartimer rebate program	13.13
4/22/2021	Irvine Ranch Water District	January 2021 Spray to Drip rebate program	530.00
4/22/2021	Irvine Ranch Water District	February 2021 Spray to Drip rebate program	77.00
4/05/2021	City of Buena Park	January 2021 Turf Removal and Spray to Drip rebate program	333.00
4/22/2021	City of Orange	February 2021 Turf Removal and Spray to Drip rebate program	222.00
4/05/2021	El Toro Water District	February 2021 So Cal Watersmart rebate program	345.00
4/05/2021	Moulton Niguel Water District	February 2021 So Cal Watersmart rebate program	7,600.00
4/16/2021	City of San Clemente	February 2021 So Cal Watersmart rebate program	1,125.00
4/09/2021	City of San Clemente	Addition to the Choice School Program FY 2020-21	231.75
4/22/2021	City of Orange	FY 2019-20 O & M Costs of the EOCF #2	69,174.60
4/14/2021	East Orange Co Water District	FY 2019-20 O & M Costs of the EOCF #2	85,732.04
4/30/2021	City of Huntington Beach	FY 2019-20 O & M Costs of the EOCF #2	41,828.50
4/26/2021	Laguna Beach County Water District	FY 2019-20 O & M Costs of the EOCF #2	9,838.55
4/27/2021	Moulton Niguel Water District	FY 2019-20 O & M Costs of the EOCF #2	295,156.60
4/22/2021	City of Newport Beach	FY 2019-20 O & M Costs of the EOCF #2	41,439.65
4/27/2021	City of San Juan Capistrano	FY 2019-20 O & M Costs of the EOCF #2	98,385.53
4/22/2021	El Toro Water District	2020 - 5 Year Update Urban Water Management Plan	33,960.00
4/22/2021	City of Newport Beach	2020 - 5 Year Update Urban Water Management Plan	37,230.00
4/02/2021	City of San Clemente	2020 - 5 Year Update Urban Water Management Plan	24,910.00
4/16/2021	City of Tustin	2020 - 5 Year Update Urban Water Management Plan	39,900.00
4/09/2021	City of Huntington Beach	2020 - 5 Year Update Urban Water Management Plan	44,300.00

TOTAL MISCELLANEOUS REVENUES \$ 890,066.28
TOTAL REVENUES \$ 10,801,669.34



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

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

Vendor/ Invoice	Description	Amount to Pay
Core Disbursements:		
ABSG Consulting Inc		
5107169	March 2021 Owner's Representative construction support and relocation services for MWDOC office remodel	21,805.00
Total		21,805.00
Richard C Ackerman		
1302	April 2021 Legal and regulatory matters consulting	3,325.00
Total		3,325.00
Aleshire & Wynder LLP		
61888	April 2021 Legal services	2,974.00
Total		2,974.00
Arcadis US Inc		
34228173	February 2021 Urban Water Management Plan Development services	159,067.80
Total		159,067.80
Best Best and Krieger LLP		
55401-MAR21	March 2021 Legal services	16,122.40
902281	March 2021 Services for State legislative advocacy	8,000.00
Total		24,122.40
Black & Veatch		
1341297	February 2021 Services for Hydraulic Model Phase 2 build and model calibration	23,179.50
1342363	March 2021 Services for Hydraulic Model Phase 2 build and model calibration	4,837.50
Total		28,017.00
Capitol Enquiry		
81492	2021 US Congress and CA State Legislature pocket directories	44.68
Total		44.68
CDW Government		
8670393	Annual support renewal for SAN box VNXe3200	2,722.13
Total		2,722.13
The Centre for Organization Effectiveness		
TCFOE3474	Foundations In Excellence virtual training four dates in April 2021 - Registration for B. Fahl, J. Thorsell, K. Davanaugh, L. Gunawan, R. Waite, S. Wilson, and T. Dubuque	3,283.00
Total		3,283.00
Critical Mention		
2021-37438	Annual media monitoring subscription	8,500.00
Total		8,500.00

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

Vendor/ Invoice	Description	Amount to Pay
CSU Fullerton ASC		
AR170989	FY 2020/21 4th Quarter Center for Demographic Research support	13,275.08
AR171034	Center for Demographic Research historic population estimates and projections	1,258.97
AR171035	Center for Demographic Research historic population estimates and projections	1,438.44
AR171042	Center for Demographic Research estimated acreage	694.19
Total		<u>16,666.68</u>
Edward G Means III		
MWDOC-1093	April 2021 Consulting on MET issues and guidance to Engineering staff	4,000.00
Total		<u>4,000.00</u>
Flume		
1166	April 2021 End use study	30,000.00
Total		<u>30,000.00</u>
G & G Trophy Co		
6561	Gold name plates for poster winners	184.88
Total		<u>184.88</u>
Hashtag Pinpoint Corporation		
1412	April 2021 Strategic digital communications consulting services	7,913.00
Total		<u>7,913.00</u>
Herndon Solutions Group LLC		
INV-0000000911	March 2021 Services to assist with America's Water Infrastructure Act compliance	1,337.50
Total		<u>1,337.50</u>
LA Design Studio-Tony Badalato		
5337	Jan. - Mar. 2021 Services for MWDOC website support and ADA compliance software	3,600.00
Total		<u>3,600.00</u>
Phil Letrong		
33121	Jan. - Mar. 2021 Retiree medical premium	445.50
Total		<u>445.50</u>
Lewis Consulting Group		
2021-113	April 2021 Consulting services	3,062.50
Total		<u>3,062.50</u>
Carl Markham Signs & Graphics		
21-351	Name plate for Director Erdman	79.60
Total		<u>79.60</u>

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

Vendor/ Invoice	Description	Amount to Pay
Mega Maids Cleaning Service		
11781	April 2021 Cleaning services for COVID-19 prevention	540.00
Total		540.00
Natural Resource Results LLC		
3400	April 2021 Federal legislative advocacy services	8,000.00
Total		8,000.00
NDS		
784178	4/14/21 Board packet delivery service	320.47
Total		320.47
New Line Fire-Jeffrey Haugh		
04302021-01	April 2021 Fire protection engineering services for MWDOC office remodel	3,500.00
Total		3,500.00
Office Depot Inc		
158008052001	2/17/21 Office supplies	104.00
169115145001	5/3/21 Office supplies	169.87
Total		273.87
Optima RPM Inc		
5000365	April 2021 Construction services for MWDOC office seismic Improvements and remodel	155,902.06
Total		155,902.06
Judy Pfister		
33121	Jan. - Mar. 2021 Retiree medical premium	445.50
Total		445.50
Karl Seckel		
53121	Jan. - May 2021 Retiree medical premium	3,474.90
Total		3,474.90
Joey C Soto		
MWDOC #036	April 2021 Grant research and acquisition assistance	3,250.00
Total		3,250.00
SPS Data Communications		
32112	March 2021 Data Cables and Data jacks preparation and installation for office remodel	2,210.00
Total		2,210.00
Sunbelt Controls		
37105	February 2021 HVAC Building automation & management system	322.40
Total		322.40

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

Vendor/ Invoice	Description	Amount to Pay
WageWorks Inc		
INV2731588	April 2021 Cafeteria plan administration fees	196.07
Total		196.07
Total Core Expenditures		499,585.94

Choice Expenditures:

Bolsa Chica Conservancy		
50521	April 2021 Choice Water Education High School program	9,600.00
Total		9,600.00
Building Block Entertainment Inc		
3429-9	April 2021 Choice Elementary School program for grades K-2	2,625.00
Total		2,625.00
Discovery Science Center		
1453	April 2021 Choice Elementary School program Grades 3-6	6,055.00
Total		6,055.00
Large Plumbing		
25621	April 2021 Pressure Regulating Valve program	3,810.00
Total		3,810.00
Mission RCD		
3000	April 2021 Field inspection and verification for Water Use Efficiency rebate programs	8,460.83
Total		8,460.83
US Bank Voyager Fleet Systems		
8694349932117	3/25/21-4/24/21 Fuel and car wash for Water Loss control Shared Services vehicles	298.36
Total		298.36
Total Choice Expenditures		30,849.19

Other Funds Expenditures:

EcoTech Services Inc		
1897	March 2021 Landscape Design and Maintenance Assistance programs	3,225.00
Total		3,225.00
Herndon Solutions Group LLC		
INV-0000000911	March 2021 Services to assist with America's Water Infrastructure Act compliance	54,854.87
Total		54,854.87

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

Vendor/ Invoice	Description	Amount to Pay
County of Orange		
SC12804	March 2021 Radio programming and batteries for EOC radios	843.70
Total		<u>843.70</u>
The Plant Nerd		
6510	April 2021 Landscape Design and Maintenance Assistance programs	12,710.00
Total		<u>12,710.00</u>
Total Other Funds Expenditures		<u>71,633.57</u>
Total Expenditures		<u><u>602,068.70</u></u>

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

Name/ Date	Check/ EFT	Invoice	Description	Amount
Core Disbursements:				
Joseph Berg				
4/15/2021	EFT	31221	March 2021 Business expense	202.55
4/15/2021	EFT	31821	March 2021 Business expense	50.00
Total				252.55
Hilary Chumpitazi				
4/15/2021	EFT	31621	March 2021 Business expense	50.00
4/30/2021	EFT	91420	September 2020 Business expense	30.00
Total				80.00
Corodata Records Management Inc				
4/30/2021	EFT	RS4685490	March 2021 Archived document storage fees	52.13
Total				52.13
Cort Business Services Corp				
4/15/2021	140239	7520980	March 2021 Furniture lease for 2 temporary workstations	144.48
Total				144.48
Katie Davanaugh				
4/15/2021	EFT	32221	March 2021 Business expense	50.00
Total				50.00
Rachel Davis				
4/15/2021	EFT	33121	March 2021 Business expense	50.00
Total				50.00
Harvey De La Torre				
4/15/2021	EFT	31721	March 2021 Business expense	51.18
4/15/2021	EFT	32321	March 2021 Business expense	50.00
Total				101.18
Michelle DeCasas				
4/30/2021	EFT	41321	April 2021 Business expense	50.00
Total				50.00
Beth Fahl				
4/15/2021	EFT	31121	March 2021 Business expense	50.00
Total				50.00
Pari Francisco				
4/15/2021	EFT	33121	March 2021 Business expense	50.00
Total				50.00

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

Name/ Date	Check/ EFT	Invoice	Description	Amount
Leah Frazier				
4/30/2021	EFT	21021	February 2021 Business expense	50.00
4/30/2021	EFT	71320	July 2020 Business expense	30.00
Total				80.00
Lina Gunawan				
4/15/2021	EFT	31921	March 2021 Business expense	20.00
Total				20.00
Melissa Haley				
4/15/2021	EFT	32121	March 2021 Business expense	50.00
Total				50.00
Cathleen Harris				
4/15/2021	EFT	30921	March 2021 Business expense	50.00
Total				50.00
Daniel Harrison				
4/15/2021	EFT	33121	March 2021 Business expense	50.00
Total				50.00
Steve Hedges				
4/30/2021	EFT	121620	December 2020 Business expense	50.00
Total				50.00
Robert Hunter				
4/15/2021	EFT	32421	March 2021 Business expense	70.00
Total				70.00
Chris Lingad				
4/30/2021	EFT	112820	November 2020 Business expense	50.00
Total				50.00
Judy Roberts				
4/15/2021	EFT	31221	March 2021 Business expense	50.00
Total				50.00
Spectrum Business				
4/15/2021	140247	343564041021	April 2021 Telephone expense for one analog fax line	39.99
4/08/2021	140234	375210033021	April 2021 Telephone and internet expense	1,411.54
Total				1,451.53
Jeff Stalvey				
4/15/2021	EFT	33121	March 2021 Business expense	50.00
Total				50.00

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

Name/ Date	Check/ EFT	Invoice	Description	Amount
US Bank				
4/8/2021	140235	0208/4192/4279-MAR21	2/23/21-3/22/21 Cal Card charges	2,840.44
Total				2,840.44
Verizon Wireless				
4/08/2021	140236	9876182035	March 2021 4G Mobile broadband unlimited service	114.03
Total				114.03
Katie Vincent				
4/15/2021	140248	31721	March 2021 Business expense	50.00
Total				50.00
Total Core Disbursements				5,856.34
Choice Disbursements:				
Total Choice Disbursements				-
Other Funds Disbursements:				
AT&T				
4/15/2021	140237	291831812-APR21	April 2021 U-Verse internet service for WEROC N. EOC	64.20
Total				64.20
AT&T				
4/15/2021	140238	16238128	March 2021 Telephone expense for WEROC N. & S. EOC	338.62
4/15/2021	140238	16238129	March 2021 Telephone expense for WEROC N. EOC	117.61
Total				456.23
Metropolitan Water District				
4/30/2021	WIRE-043021	10356	February 2021 Water deliveries	9,770,638.92
Total				9,770,638.92
Santa Margarita Water District				
4/30/2021	EFT	2152021	February 2021 SCP Pipeline Operation Surcharge	24,394.77
Total				24,394.77
Santiago Aqueduct Commission				
4/30/2021	140272	2152021	February 2021 SAC Pipeline Operation Surcharge	2,748.15
Total				2,748.15

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

Name/ Date	Check/ EFT	Invoice	Description	Amount
Spray to Drip Rebate				
4/28/2021	140261	S2D4-C-SOCO-41763-17902	Monarch Beach Master Association (Dana Point)	492.16
4/28/2021	140252	S2D4-R-HB-41754-17966	M. Babin	432.50
4/28/2021	140259	S2D4-R-IRWD-41069-17756	F. Khosravi	585.50
4/28/2021	140267	S2D4-R-IRWD-41891-17932	L. Wilson	1,656.25
4/28/2021	140250	S2D4-R-SM-41545-17865	F. Ahourai	267.04
4/28/2021	140256	S2D4-R-WEST-41474-17855	M. Harvey	222.50
Total				3,655.95
Turf Rebate				
4/28/2021	140254	TR13-R-MNT-39738-38566	L. Fakhro	3,560.44
4/28/2021	140266	TR13-R-SB-39892-38717	D. Wade	1,240.91
4/28/2021	140265	TR13-R-SM-39685-38513	S. Shahbazi	1,407.00
4/28/2021	140253	TR14-R-HB-41754-40505	M. Babin	574.00
4/28/2021	140263	TR14-R-MNT-41371-40157	A. Paker	2,170.00
4/28/2021	140258	TR14-R-O-41132-39934	C. Hicks	2,344.00
4/28/2021	140260	TR14-R-O-41464-40249	D. McCloskey	1,668.00
4/28/2021	140264	TR14-R-O-41652-40419	D. Ross	2,480.00
4/28/2021	140262	TR14-R-SC-41653-40420	L. O'Toole	724.00
4/28/2021	140251	TR14-R-SM-41545-40326	F. Ahourai	1,572.00
4/28/2021	140257	TR14-R-WEST-41474-40261	M. Harvey	890.00
4/28/2021	140255	TR14-R-YLWD-42020-40767	G. Goodwin	752.00
Total				19,382.35
US Bank				
4/8/2021	140235	6066-MAR21	2/23/21-3/22/21 Cal Card charges	655.47
Total				655.47
Verizon Wireless				
4/08/2021	140236	9876182035	March 2021 4G Mobile broadband unlimited service	190.05
Total				190.05
Total Other Funds Disbursements				9,822,186.09
Total Disbursements				9,828,042.43


Robert J. Hunter, General Manager


Hilary Chumpitazi, Treasurer

Cal Card Charges
Statement Date: March 22, 2021
Payment Date: April 8, 2021

Date	Description	Amount
R. Hunter Card:		
2/23/2021	Urban Water Institute virtual conference from Feb. 17-18, 2021 - Registration for Director McVicker and Director Thomas	390.00
3/08/2021	Asset Management at OC San: An OCWA Webinar on Mar. 17, 2021 - Registration for Director Erdman	10.00
3/17/2021	ACWA DC2021 virtual conference and webinars from Feb. 24 - Mar. 31, 2021 - Registration for Director Tamaribuchi	100.00
Total:		500.00

C. Harris Card:

12/01/2020	International Public Management Association for Human Resources membership renewal for C. Harris	114.00
2/11/2021	FedEx delivery charge on Feb. 11, 2021	36.93
2/22/2021	Sympathy flowers for staff member	90.49
2/24/2021	1/25/21-2/24/21 Web hosting service for MWDOC website	15.65
2/24/2021	FedEx delivery charge on Feb. 24, 2021	21.34
2/26/2021	FedEx delivery charge on Feb. 26, 2021	34.32
3/03/2021	ACWA Virtual Legislative Symposium on Mar. 11, 2021 - Registration for H. Baez	145.00
3/03/2021	Advanced/Intermediate Excel six session course from Mar. 16 - Apr. 1, 2021 - Registration for C. Hernandez	179.00
3/03/2021	ACWA DC2021 Virtual conference on Feb. 24, 2021 price adjustment - Registration for Director Yoo Schneider	-150.00
3/03/2021	ACWA DC2021 Virtual conference on Feb. 24, 2021 price adjustment - Registration for Director Nederhood	-150.00
3/10/2021	ACWA DC2021 Virtual conference on Feb. 24, 2021 price adjustment - Registration for H. Baez	-150.00
3/13/2021	March 2021 Subscription for prework screening for COVID-19 prevention	175.56
Total:		362.29

Public Affairs Card:


2/16/2021	California Association of Public Information Officials Collaborative Engagement webinar - Registration for T. Baca	20.00
2/26/2021	Puppet for School Program assemblies	1,483.20
3/01/2021	March 2021 Storage unit for Public Affairs department use during MWDOC office remodel	294.00
3/02/2021	3/2/21-4/1/21 Zoom Video Communications monthly fee with audio licenses	174.95
3/18/2021	Article to PDF Converter for OC Register Coverage Archiving	6.00
Total:		1,978.15

Cal Card Charges
Statement Date: March 22, 2021
Payment Date: April 8, 2021

Date	Description	Amount
WEROC Card:		
3/03/2021	MWDOC office Covid19 supplies	152.93
3/11/2021	Security safe for S. EOC	78.41
3/18/2021	California Specialized Training Institute Emergency Management training and certificates for member agencies	424.13
Total:		<u><u>655.47</u></u>

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

Name/ Date	Check/ EFT	Invoice	Description	Amount
Core Disbursements:				
Total Core Disbursements				-
Choice Disbursements:				
Total Choice Disbursements				-
Other Funds Disbursements:				
Total Other Funds Disbursements				-
Total Disbursements				-



Robert J. Hunter, General Manager



Hilary Chumpitazi, Treasurer

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



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

Jeffery M. Thomas
 Director

Robert J. Hunter
 General Manager

MEMBER AGENCIES

City of Brea
 City of Buena Park
 East Orange County Water District
 El Toro Water District
 Emerald Bay Service District
 City of Fountain Valley
 City of Garden Grove
 Golden State Water Co.
 City of Huntington Beach
 Irvine Ranch Water District
 Laguna Beach County Water District
 City of La Habra
 City of La Palma
 Mesa Water District
 Moulton Niguel Water District
 City of Newport Beach
 City of Orange
 Orange County Water District
 City of San Clemente
 City of San Juan Capistrano
 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	23.88%
Grant & Project Cash Flow	1,500,000	9.58%
Election Expense	1,333,000	8.52%
Building Repair	436,542	2.79%
OPEB	297,147	1.90%
Total Designated Reserves	7,305,194	46.67%
General Fund	6,381,192	40.76%
Water Fund	1,192,160	7.62%
Conservation Fund	(934,663)	(5.97%)
WEROC Fund	1,714,338	10.95%
Trustee Activities	(4,614)	(0.03%)
Total	\$15,653,607	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	1.21%	\$188,928	\$188,928
Short-term investment			
• LAIF	0.79%	\$123,340	\$123,340
• OCIP	78.19%	12,240,939	12,240,939
Long-term investment			
• US Government Issues	1.60%	249,880	247,720
• Corporate Bond	8.95%	1,400,520	1,374,210
• Certificates of Deposit	9.26%	1,450,000	1,526,038
Total	100.00%	\$15,653,607	\$15,701,175

The average number of days to maturity/call as of March 31, 2021 equaled 120 and the average yield to maturity is 0.827%. During the month, the District's average daily balance was \$21,634,462.67. Funds were invested in US Bank Money Market, Negotiable Certificate of Deposit's, Corporate Bonds, the Local Agency Investment Funds (LAIF) and the Orange County Investment Pool (OCIP) during the month of March 2021.

The \$47,568 difference between the book value and the market value on March 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

March 31, 2021

3/31/2021	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Negotiable Certificate Of Deposit	1,450,000.00	1,526,038.00	1,450,000.00	9.38	823	2.578
Corporate Bond	1,400,000.00	1,374,209.50	1,400,519.87	9.05	451	1.341
US Government Issues	250,000.00	247,720.00	249,880.01	1.62	56	1.000
Local Agency Investment Funds	123,340.25	123,340.25	123,340.25	0.80	1	0.351
Orange County Investment Pool	12,240,938.69	12,240,938.69	12,240,938.69	79.15	1	0.565
Total Investments	15,464,278.94	15,512,246.44	15,464,678.82	100.00	120	0.827
Cash						
Cash	188,928.15	188,928.15	188,928.15		1	0.00
Total Cash and Investments	15,653,207.09	15,701,174.59	15,653,606.97		120	0.827

Total Earnings	Month Ending March	Fiscal Year to Date
Current Year	13,347.51	169,377.32
Average Daily Balance	21,634,462.67	
Effective Rate of Return	0.827%	

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

Robert J. Hunter, General Manager

Date

5-6-21

Hilary Chumtazi

Hilary Chumtazi, Treasurer

Date

05/06/2021

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

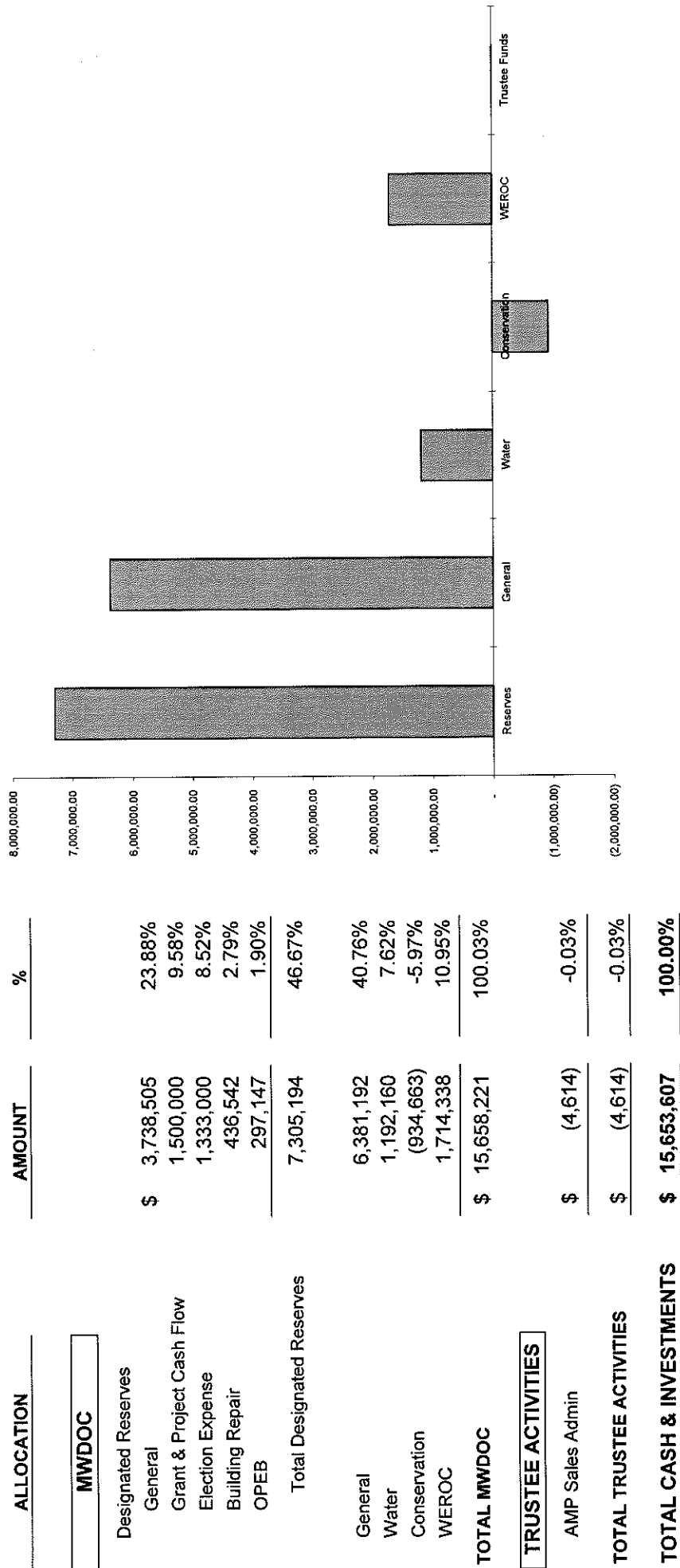
Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Negotiable Certificate Of Deposit									
Barclays Bank	06740KKY2	9/27/2017	250,000.00	257,962.50	250,000.00	2.250	2.250	545	9/27/2022
Capital One Bank	14042TBO9	8/7/2019	250,000.00	265,552.50	250,000.00	2.250	2.250	1,225	8/7/2024
Capital One NA	14042RMJ7	7/24/2019	250,000.00	265,025.00	250,000.00	2.200	2.200	1,211	7/24/2024
Comenity Capital	20033AUX2	7/25/2017	200,000.00	201,145.00	200,000.00	2.000	2.000	107	7/16/2021
Discover Bank	254673RY0	7/25/2018	250,000.00	267,897.50	250,000.00	3.300	3.300	846	7/25/2023
Goldman Sachs Bank	38148PT98	8/8/2018	250,000.00	268,452.50	250,000.00	3.350	3.350	860	8/8/2023
Sub Total			1,450,000.00	1,526,038.00	1,450,000.00	2.578	2.578	823	
US Government Issues									
FHLB	3130ALGR9	3/1/2021	250,000.00	247,720.00	249,880.01	0.850	0.850	56	2/26/2026
Sub Total			250,000.00	247,720.00	249,880.01	0.850	0.850	56	
Corporate Bond									
Bank of America Corp	06048WK41	12/7/2020	250,000.00	240,352.50	250,000.00	0.650	0.800	239	11/25/2025
Citigroup Global Markets	17328WFZ6	9/16/2020	250,000.00	241,992.50	250,000.00	1.000	1.000	169	9/16/2025
JP Morgan Chase	48128GV56	8/18/2020	250,000.00	241,620.00	250,000.00	0.800	0.800	1,236	8/18/2025
National Rural Util Coop	63743FE51	7/27/2017	200,000.00	202,760.00	200,000.00	2.500	2.500	471	7/15/2022
Societe Generale	83369MD25	8/19/2020	250,000.00	242,102.50	250,000.00	1.000	1.088	141	8/19/2025
Westpac Banking Corp	961214DQ3	7/25/2017	200,000.00	205,382.00	200,519.87	2.500	2.278	454	6/28/2022
Sub Total			1,400,000.00	1,374,205.50	1,400,519.87	1.330	1.341	451	
Total Investments			3,100,000.00	3,147,967.50	3,100,399.88	1.875	1.881	593	

Total Earnings	Month Ending March	Fiscal Year To Date
Current Year	5,025.86	46,848.21

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Short-Term Portfolio Details - Cash and Investments
March 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	123,340.25	123,340.25	123,340.25	0.351	0.351	1	N/A
Sub Total			123,340.25	123,340.25	123,340.25	0.351	0.351	1	
Orange County Investment Pool									
County of Orange LGIP	OCIP	6/29/2005	12,240,938.69	12,240,938.69	12,240,938.69	0.565	0.565	1	N/A
Sub Total			12,240,938.69	12,240,938.69	12,240,938.69	0.565	0.565	1	
Total Investments			12,364,278.94	12,364,278.94	12,364,278.94	0.563	0.563		
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	188,428.15	188,428.15	188,428.15	0.000	0.000	1	N/A
Total Cash			188,928.15	188,928.15	188,928.15	0.000	0.000	1	
Total Cash and Investments			12,553,207.09	12,553,207.09	12,553,207.09	0.563	0.563	1	
Total Earnings									
Current Year			8,321.65		Fiscal Year To Date				
									122,529.11

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



MUNICIPAL WATER DIST OF ORANGE COUNTY
PARS Post-Employment Benefits Trust**Account Report for the Period**
3/1/2021 to 3/31/2021Rob Hunter
General Manager
Municipal Water Dist of Orange County
18700 Ward Street
Fountain Valley, CA 92708**Account Summary**

Source	Balance as of 3/1/2021	Contributions	Earnings	Expenses	Distributions	Transfers	Balance as of 3/31/2021
OPEB	\$2,636,535.07	\$0.00	\$23,006.65	\$1,298.82	\$0.00	\$0.00	\$2,658,242.90
PENSION	\$733,503.03	\$0.00	\$6,400.62	\$361.34	\$0.00	\$0.00	\$739,542.31
Totals	\$3,370,038.10	\$0.00	\$29,407.27	\$1,660.16	\$0.00	\$0.00	\$3,397,785.21

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	0.87%	2.29%	31.73%	9.38%	9.27%	-	10/26/2011
PENSION	0.87%	2.29%	31.57%	-	-	-	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

PARS DIVERSIFIED PORTFOLIOS MODERATE

Q1 2021

WHY THE PARS DIVERSIFIED MODERATE PORTFOLIO?

Comprehensive Investment Solution

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

Rigorous Manager Due Diligence

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

Flexible Investment Options

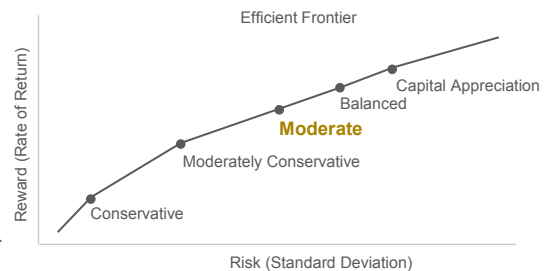
In order to meet the unique needs of our clients, we offer access to flexible implementation strategies: HighMark Plus utilizes actively managed mutual funds while Index Plus utilizes index-based securities, including exchange-traded funds. Both investment options leverage HighMark's active asset allocation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

Risk Management

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

INVESTMENT OBJECTIVE

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



ASSET ALLOCATION — MODERATE PORTFOLIO

	Strategic Range	Policy	Tactical
Equity	40 - 60%	50%	52%
Fixed Income	40 - 60%	45%	47%
Cash	0 - 20%	5%	1%

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

HighMark Plus Composite (Active)

Current Quarter*	2.24%
Blended Benchmark*, **	2.26%
Year To Date*	2.24%
Blended Benchmark*, **	2.26%
1 Year	31.89%
Blended Benchmark**	28.56%
3 Year	9.52%
Blended Benchmark**	9.51%
5 Year	9.32%
Blended Benchmark**	8.95%
10 Year	7.40%
Blended Benchmark**	7.60%

Index Plus Composite (Passive)

Current Quarter*	2.27%
Blended Benchmark*, **	2.26%
Year To Date*	2.27%
Blended Benchmark*, **	2.26%
1 Year	27.38%
Blended Benchmark**	28.56%
3 Year	9.04%
Blended Benchmark**	9.51%
5 Year	8.60%
Blended Benchmark**	8.95%
10 Year	7.19%
Blended Benchmark**	7.60%

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

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

HighMark Plus Composite (Active)

2008	-22.88%
2009	21.47%
2010	12.42%
2011	0.55%
2012	12.25%
2013	13.06%
2014	4.84%
2015	0.14%
2016	6.45%
2017	13.19%
2018	-4.03%
2019	17.71%
2020	12.92%

Index Plus Composite (Passive)

2008	-18.14%
2009	16.05%
2010	11.77%
2011	2.29%
2012	10.91%
2013	12.79%
2014	5.72%
2015	-0.52%
2016	7.23%
2017	11.59%
2018	-4.03%
2019	17.52%
2020	11.23%

PORTFOLIO FACTS

HighMark Plus (Active)

Composite Inception Date	10/2004
No of Holdings in Portfolio	20

Index Plus (Passive)

Composite Inception Date	05/2006
No of Holdings in Portfolio	13

HOLDINGS

HighMark Plus (Active)

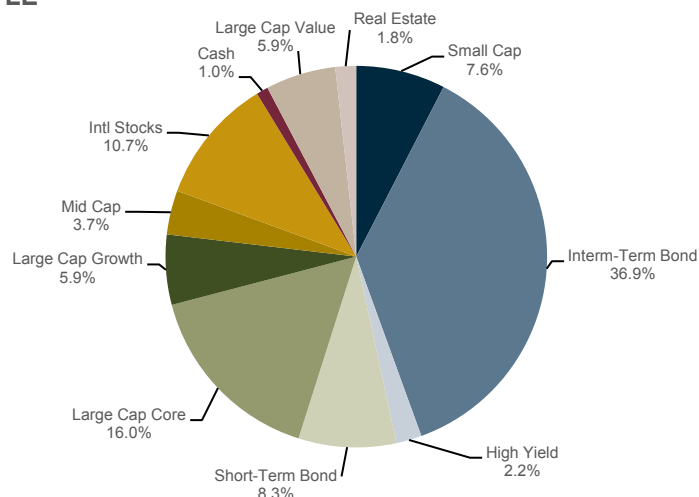
Columbia Contrarian Core I3
Vanguard Growth & Income Adm
Dodge & Cox Stock Fund
iShares S&P 500 Value ETF
Harbor Capital Appreciation - Retirement
T. Rowe Price Growth Stock - I
iShares Russell Mid-Cap ETF
Vanguard Real Estate ETF
Undiscovered Managers Behavioral Value-R6
Victory RS Small Cap Growth - R6
DFA Large Cap International Portfolio
Dodge & Cox International Stock
MFS International Growth - R6
Hartford Schroders Emerging Markets Eq
Vanguard Short-Term Invest-Grade Adm
PIMCO High Yield Instl
PIMCO Total Return Fund - Inst
PGIM Total Return Bond - R6
DoubleLine Core Fixed Income - I
First American Government Obligations Z

Index Plus (Passive)

iShares Core S&P 500 ETF
iShares S&P 500 Value ETF
iShares S&P 500 Growth ETF
iShares Russell Mid-Cap ETF
Vanguard Real Estate ETF
iShares Russell 2000 Value ETF
iShares Russell 2000 Growth ETF
iShares Core MSCI EAFE ETF
Vanguard FTSE Emerging Markets ETF
Vanguard Short-Term Invest-Grade Adm
iShares Core U.S. Aggregate
Vanguard High-Yield Corp Adm
First American Government Obligations Z

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

STYLE



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

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

Blended benchmarks represent HighMark's strategic allocations between equity, fixed income, and cash and are rebalanced monthly. Benchmark returns do not reflect the deduction of advisory fees or other expenses of investing but assumes the reinvestment of dividends and other earnings. An investor cannot invest directly in an index. The unmanaged S&P 500 Index is representative of the performance of large companies in the U.S. stock market. The MSCI EAFE Index is a free float-adjusted market capitalization index designed to measure developed market equity performance, excluding the U.S. and Canada. The MSCI Emerging Markets Index is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global emerging markets. The Russell Midcap Index measures the performance of the mid-cap segment of the U.S. equity universe. The Russell 2000 Index measures the performance of the small-cap segment of the U.S. equity universe. The ICE BofA US High Yield Master II Index tracks the performance of below investment grade U.S. dollar-denominated corporate bonds publicly issued in the U.S. domestic market. Wilshire REIT Index measures U.S. publicly traded Real Estate Investment Trusts. The unmanaged Bloomberg Barclays U.S. Aggregate Bond Index is generally representative of the U.S. taxable bond market as a whole. The ICE BofA 1-3 Year U.S. Corporate & Government Index tracks the bond performance of the ICE BofA U.S. Corporate & Government Index, with a remaining term to final maturity less than 3 years. The unmanaged FTSE 1-Month U.S. Treasury Bill Index tracks the yield of the 1-month U.S. Treasury Bill.

HighMark Capital Management, Inc. (HighMark), an SEC-registered investment adviser, is a wholly owned subsidiary of MUFG Union Bank, N.A. (MUB). HighMark manages institutional separate account portfolios for a wide variety of for-profit and nonprofit organizations, public agencies, and public and private retirement plans. MUB, a subsidiary of MUFG Americas Holdings Corporation, provides certain services to HighMark and is compensated for these services. Past performance does not guarantee future results. Individual account management and construction will vary depending on each client's investment needs and objectives. **Investments employing HighMark strategies are NOT insured by the FDIC or by any other Federal Government Agency, are NOT Bank deposits, are NOT guaranteed by the Bank or any Bank affiliate, and MAY lose value, including possible loss of principal.**

HIGHMARK CAPITAL MANAGEMENT

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

ABOUT THE ADVISER

HighMark® Capital Management, Inc. (HighMark) has 100 years (including predecessor organizations) of institutional money management experience with \$9.1 billion in assets under management and \$9.2 billion in assets under advisement*. HighMark has a long term disciplined approach to money management and currently manages assets for a wide array of clients.

ABOUT THE PORTFOLIO MANAGEMENT TEAM

Andrew Brown, CFA®

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

Salvatore "Tory" Milazzo III, CFA®

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

J. Keith Stribling, CFA®

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

Christiane Tsuda

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

Anne Wimmer, CFA®

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

Randy Yurchak, CFA®

Senior Portfolio Manager
Investment Experience: since 2002
HighMark Tenure: since 2017
Education: MBA, Arizona State University; BS, University of Washington

Asset Allocation Committee

Number of Members: 17
Average Years of Experience: 26
Average Tenure (Years): 14

Manager Review Group

Number of Members: 8
Average Years of Experience: 20
Average Tenure (Years): 9

*Assets under management ("AUM") include assets for which HighMark provides continuous and regular supervisory and management services. Assets under advisement ("AUA") include assets for which HighMark provides certain investment advisory services (including, but not limited to, investment research and strategies) for client assets of its parent company, MUFG Union Bank, N.A.

NET PERFORMANCE FEE ANALYSIS

As of March 31, 2021

Over 1 Year

PARS/HIGHMARK	
Moderate - Active (47% Fixed Income)	31.89%
minus weighted PARS administration fee	(-) 0.25%
minus weighted HighMark investment management fee	(-) 0.35%
1-Year Net Return	31.29%
CALPERS CERBT	
Strategy 2 (48% Fixed Income)	25.44%
minus fees	(-) 0.10%
1-Year Net Return	25.33%

Over 3 Years

PARS/HIGHMARK	
Moderate - Active (47% Fixed Income)	9.52%
minus weighted PARS administration fee	(-) 0.25%
minus weighted HighMark investment management fee	(-) 0.35%
3-Year Net Return	8.92%
CALPERS CERBT	
Strategy 2 (48% Fixed Income)	8.76%
minus fees	(-) 0.10%
3-Year Net Return	8.67%

Over 5 Years

PARS/HIGHMARK	
Moderate - Active (47% Fixed Income)	9.32%
minus weighted PARS administration fee	(-) 0.25%
minus weighted HighMark investment management fee	(-) 0.35%
5-Year Net Return	8.72%
CALPERS CERBT	
Strategy 2 (48% Fixed Income)	8.36%
minus fees	(-) 0.10%
5-Year Net Return	8.27%

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

Item 2a

**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
COMBINED FINANCIAL STATEMENTS
AND
BUDGET COMPARATIVE
JULY 1, 2020 THRU MARCH 31, 2021**

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

	<u>Amount</u>
<u>ASSETS</u>	
Cash in Bank	188,928.15
Investments	15,464,678.82
Accounts Receivable	20,704,766.60
Accounts Receivable - Other	341,063.48
Accrued Interest Receivable	37,850.97
Prepays/Deposits	293,331.11
Leasehold Improvements	4,284,127.08
Furniture, Fixtures & Equipment	649,773.62
Less: Accumulated Depreciation	<u>(3,347,976.74)</u>
TOTAL ASSETS	<u>38,616,543.09</u>
<u>LIABILITIES AND FUND BALANCES</u>	
<u>LIABILITIES</u>	
Accounts Payable	21,077,643.10
Accounts Payable - Other	157.06
Accrued Salaries and Benefits Payable	550,081.91
Other Liabilities	2,089,027.55
Unearned Revenue	<u>642,897.15</u>
TOTAL LIABILITIES	<u>24,359,806.77</u>
<u>FUND BALANCES</u>	
<u>Restricted Fund Balances</u>	
Water Fund - T2C	<u>1,031,702.22</u>
Total Restricted Fund Balances	<u>1,031,702.22</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	4,089,121.68
General Fund Capital	964,158.72
WEROC Capital	159,687.58
WEROC	<u>239,613.59</u>
Total Unrestricted Fund Balances	<u>12,757,775.57</u>
<u>Excess Revenue over Expenditure</u>	
Operating Fund	836,640.23
Other Funds	<u>(369,381.70)</u>
TOTAL FUND BALANCES	<u>14,256,736.32</u>
TOTAL LIABILITIES AND FUND BALANCES	<u>38,616,543.09</u>

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
July 1, 2020 thru March 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>
REVENUES						
Retail Connection Charge	0.00	7,837,792.40	7,837,792.00	100.00%	0.00	(0.40)
Ground Water Customer Charge	0.00	595,323.00	595,323.00	100.00%	0.00	0.00
Water Rate Revenues	0.00	8,433,115.40	8,433,115.00	100.00%	0.00	(0.40)
Interest Revenue	13,188.54	166,381.96	458,000.00	36.33%	0.00	291,618.04
Subtotal	13,188.54	8,599,497.36	8,891,115.00	96.72%	0.00	291,617.64
Choice Programs	650.75	1,204,028.54	1,510,618.00	79.70%	0.00	306,589.46
MWD Revenue - Shared Services	17,765.00	68,790.00	0.00	0.00%	0.00	(68,790.00)
Miscellaneous Income	8,856.97	12,018.93	3,000.00	400.63%	0.00	(9,018.93)
Revenue - Other	0.00	1,258.00	0.00	0.00%	0.00	(1,258.00)
School Contracts	1,709.80	25,858.15	120,376.00	21.48%	0.00	94,517.85
Delinquent Payment Penalty	0.00	1,851.77	0.00	0.00%	0.00	(1,851.77)
Gain on Sale of Asset	0.00	481.00	0.00	0.00%	0.00	(481.00)
Transfer-In from Reserve	0.00	0.00	97,415.00	0.00%	0.00	97,415.00
Subtotal	28,982.52	1,314,286.39	1,731,409.00	75.91%	0.00	417,122.61
TOTAL REVENUES	42,171.06	9,913,783.75	10,622,524.00	93.33%	0.00	708,740.25

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
July 1, 2020 thru March 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	353,641.54	3,175,011.14	4,152,072.00	76.47%	0.00	977,060.86
Director's Compensation	22,920.10	183,688.23	258,909.00	70.95%	0.00	75,220.77
MWD Representation	12,114.91	93,972.41	157,070.00	59.83%	0.00	63,097.59
Employee Benefits	119,938.95	1,043,440.66	1,335,387.00	78.14%	0.00	291,946.34
CalPers Unfunded Liability Contribution	0.00	207,000.00	207,000.00	100.00%	0.00	0.00
Director's Benefits	8,843.18	96,940.03	101,971.00	95.07%	0.00	5,030.97
Health Insurance for Retirees	9,528.41	51,861.63	87,449.00	59.31%	0.00	35,587.37
Training Expense	21,758.00	29,451.20	64,500.00	45.66%	21,395.60	13,653.20
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	548,745.09	4,881,365.30	6,374,358.00	76.58%	21,395.60	1,471,597.10
Engineering Expense	54,926.23	296,040.30	340,000.00	87.07%	414,555.22	(370,595.52)
Legal Expense	17,635.20	136,407.65	210,500.00	64.80%	71,065.15	3,027.20
Audit Expense	0.00	26,724.00	29,725.00	89.90%	9,562.00	(6,561.00)
Professional Services	82,795.28	627,788.02	1,581,338.00	39.70%	942,230.30	11,319.68
Professional Fees	155,356.71	1,086,959.97	2,161,563.00	50.29%	1,437,412.67	(362,809.64)
Conference - Staff	(5.00)	3,014.00	26,515.00	11.37%	0.00	23,501.00
Conference - Directors	200.00	5,185.00	18,695.00	27.73%	0.00	13,510.00
Travel & Accom. - Staff	0.00	1,424.38	62,495.00	2.28%	0.00	61,070.62
Travel & Accom. - Directors	0.00	0.00	24,900.00	0.00%	0.00	24,900.00
Travel & Conference	195.00	9,623.38	132,605.00	7.26%	0.00	122,981.62
Membership/Sponsorship	344.00	132,388.36	127,161.00	104.11%	0.00	(5,227.36)
CDR Support	0.00	39,825.24	53,158.00	74.92%	13,275.08	57.68
Dues & Memberships	344.00	172,213.60	180,319.00	95.50%	13,275.08	(5,169.68)
Business Expense	0.00	0.00	4,500.00	0.00%	0.00	4,500.00
Office Maintenance	6,384.66	70,103.60	125,420.00	55.90%	61,386.40	(6,070.00)
Building Repair & Maintenance	1,601.30	15,512.03	15,000.00	103.41%	6,322.51	(6,834.54)
Storage Rental & Equipment Lease	52.13	1,537.38	1,750.00	87.85%	212.62	0.00
Office Supplies	666.32	5,813.92	39,000.00	14.91%	3,153.35	30,032.73
Supplies - Water Loss Control	0.00	8,373.22	10,000.00	83.73%	0.00	1,626.78
Postage/Mail Delivery	736.50	8,099.33	9,300.00	87.09%	1,058.59	142.08
Subscriptions & Books	384.00	785.92	1,000.00	78.59%	0.00	214.08
Reproduction Expense	1,519.34	5,530.27	83,700.00	6.61%	5,070.71	73,099.02
Maintenance - Computers	0.00	1,688.80	8,000.00	21.11%	0.00	6,311.20
Software Purchase	174.95	27,759.57	57,000.00	48.70%	0.00	29,240.43
Software Support	3,615.65	36,840.18	47,640.00	77.33%	3,422.13	7,377.69
Computers and Equipment	350.00	17,251.69	33,550.00	51.42%	0.00	16,298.31
Maintenance Expense	0.00	0.00	6,000.00	0.00%	0.00	6,000.00
Automotive Expense	0.00	123.46	20,000.00	0.62%	0.00	19,876.54
Vehicle Expense	130.56	2,575.30	6,350.00	40.56%	0.00	3,774.70
Toll Road Charges	0.00	0.00	2,300.00	0.00%	0.00	2,300.00
Insurance Expense	8,876.73	93,211.84	110,000.00	84.74%	0.00	16,788.16
Utilities - Telephone	2,970.56	27,838.86	30,850.00	90.24%	344.73	2,666.41
Bank Fees	(41.00)	1,823.32	1,200.00	151.94%	0.00	(623.32)
Miscellaneous Expense	2,931.73	24,455.40	113,800.00	21.49%	1,334.28	88,010.32
MWDOC's Contrb. to WEROC	20,103.00	180,927.00	241,236.00	75.00%	0.00	60,309.00
Depreciation Expense	4,485.39	40,368.35	0.00	0.00%	0.00	(40,368.35)
Other Expenses	54,941.82	570,619.44	967,596.00	58.97%	82,305.32	314,671.24
Election Expense	0.00	871,321.62	0.00	0.00%	0.00	(871,321.62)
Capital Aquisition	0.00	225,609.30	79,200.00	284.86%	222,211.63	(368,620.93)
Building Expense	241,837.89	1,259,430.91	726,883.00	173.26%	1,025,080.75	(1,557,628.66)
TOTAL EXPENSES	1,001,420.51	9,077,143.52	10,622,524.00	85.45%	2,801,681.05	(1,256,300.57)
NET INCOME (LOSS)	(959,249.45)	836,640.23	0.00	0.00%	(2,801,681.05)	1,965,040.82

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
Water Fund
July 1, 2020 thru March 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	8,488,431.20	94,620,180.10	208,407,327.00	45.40%	113,787,146.90
Readiness to Serve Charge	928,529.00	8,568,991.46	11,583,326.00	73.98%	3,014,334.54
Capacity Charge CCF	394,384.17	3,129,272.53	3,892,240.00	80.40%	762,967.47
SCP/SAC Pipeline Surcharge	23,483.33	270,393.19	315,000.00	85.84%	44,606.81
Interest Revenue	498.25	5,448.68	22,000.00	24.77%	16,551.32
TOTAL WATER REVENUES	9,835,325.95	106,594,285.96	224,219,893.00	47.54%	117,625,607.04
<u>WATER PURCHASES</u>					
Water Sales	8,488,431.20	94,620,180.10	208,407,327.00	45.40%	113,787,146.90
Readiness to Serve Charge	928,529.00	8,568,991.46	11,583,326.00	73.98%	3,014,334.54
Capacity Charge CCF	394,384.17	3,129,272.53	3,892,240.00	80.40%	762,967.47
SCP/SAC Pipeline Surcharge	23,483.33	270,393.19	315,000.00	85.84%	44,606.81
TOTAL WATER PURCHASES	9,834,827.70	106,588,837.28	224,197,893.00	47.54%	117,609,055.72
EXCESS OF REVENUE OVER EXPENDITURE	498.25	5,448.68	22,000.00	24.77%	16,551.32

**Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
Water Use Efficiency
July 1, 2020 thru March 31, 2021**

	<u>Year to Date Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
Spray To Drip Conversion			
Revenues	55,457.25	38,900.00	142.56%
Expenses	58,043.55	38,900.00	149.21%
Excess of Revenues over Expenditures	(2,586.30)	0.00	0.00%
Member Agency Administered Pass-Thru			
Revenues	1,640.00	175,000.00	0.94%
Expenses	0.00	175,000.00	0.00%
Excess of Revenues over Expenditures	1,640.00	0.00	0.00%
ULFT Rebate Program			
Revenues	1,100.00	2,000.00	55.00%
Expenses	1,100.00	2,000.00	55.00%
Excess of Revenues over Expenditures	0.00	0.00	0.00%
HECW Rebate Program			
Revenues	61,247.14	77,000.00	79.54%
Expenses	61,225.00	77,000.00	79.51%
Excess of Revenues over Expenditures	22.14	0.00	0.00%
CII Rebate Program			
Revenues	0.00	12,500.00	0.00%
Expenses	0.00	12,500.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	0.00%
Turf Removal Program			
Revenues	1,112,346.10	648,000.00	171.66%
Expenses	1,277,169.47	648,000.00	197.09%
Excess of Revenues over Expenditures	(164,823.37)	0.00	0.00%
Comprehensive Landscape (CLWUE)			
Revenues	236,270.91	130,784.00	180.66%
Expenses	341,419.56	130,784.00	261.06%
Excess of Revenues over Expenditures	(105,148.65)	0.00	0.00%
Recycled Water Program			
Revenues	2,642.00	61,750.00	4.28%
Expenses	39,762.10	61,750.00	64.39%
Excess of Revenues over Expenditures	(37,120.10)	0.00	0.00%
WSIP - Industrial Program			
Revenues	13,471.46	30,000.00	44.90%
Expenses	28,471.46	30,000.00	94.90%
Excess of Revenues over Expenditures	(15,000.00)	0.00	0.00%
Land Design Program			
Revenues	111,005.00	404,000.00	27.48%
Expenses	191,420.00	404,000.00	47.38%
Excess of Revenues over Expenditures	(80,415.00)	0.00	0.00%
Total WUE Projects			
Revenues	1,595,179.86	1,579,934.00	100.96%
Expenses	1,998,611.14	1,579,934.00	126.50%
Excess of Revenues over Expenditures	(403,431.28)	0.00	0.00%
WEROC			
Revenues	427,486.33	482,472.00	88.60%
Expenses	362,617.46	482,472.00	75.16%
Excess of Revenues over Expenditures	64,868.87	0.00	0.00%



Item 2b

Memorandum

DATE: May 12, 2021

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

FROM: Robert Hunter

SUBJECT: Quarter ending March 2021 Fiscal YTD Financials Actual versus Budget

The following reports are attached:

- Revenues and Expenditures Actual versus Budget for the General Fund
- Revenues and Expenditures Actual versus Budget Detailed Comparative Report for the General Fund
- Revenues and Expenditures Actual versus Budget for Water Funds
- Revenues and Expenditures Actual versus Budget for Other Funds
- Revenues and Expenditures Actual versus Budget for the Water Use Efficiency Projects

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget Summary Report
Fiscal Year to Date ending March 2021 (Unaudited)
(\$000 Omitted)
General Fund and Reserve Fund

GENERAL FUND

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
<u>REVENUES</u>			
Water Rate revenues:			
Retail Connection Charge	7,838	7,838	100.00%
Ground Water Customer Charge	595	595	100.00%
Subtotal	<u>8,433</u>	<u>8,433</u>	<u>100.00%</u>
Other Revenues:			
Interest Income ⁽¹⁾	167	458	36.55%
Choice Programs ⁽²⁾	1,273	1,511	84.26%
School Contracts ⁽³⁾	26	120	21.48%
Other Income ⁽⁴⁾	15	3	504.30%
Transfer in from Reserve ⁽⁵⁾	0	97	0.00%
Subtotal	<u>1,481</u>	<u>2,189</u>	<u>67.65%</u>
TOTAL REVENUES	<u><u>9,914</u></u>	<u><u>10,623</u></u>	<u><u>93.33%</u></u>
<u>EXPENSES</u>			
Personnel Expenses (incl. Dir.)	4,881	6,374	76.58%
Professional Services ⁽⁶⁾	655	1,611	40.63%
Outside Engineering	296	340	87.07%
Legal Expense	136	211	64.80%
Travel & Conference ⁽⁷⁾	10	133	7.26%
Dues and Memberships	172	180	95.51%
General & Admin Expense	1,442	968	149.02%
Building Repair & Expense ⁽⁸⁾	1,259	727	173.26%
Capital Acquisition (not including building repairs) ⁽⁸⁾	226	79	284.86%
TOTAL EXPENSES	<u><u>9,077</u></u>	<u><u>10,623</u></u>	<u><u>85.45%</u></u>
EXCESS OF REVENUES OVER EXPENSES	<u><u>837</u></u>		

RESERVE FUND

Beginning Balance	6,767
Nov 2020 - excess from FY 2019-20 General Fund	538
TOTAL RESERVE FUND	<u><u>7,305</u></u>

- (1) Interest rates have dropped due to pandemic
(2) Choice Programs are paid in the beginning of the fiscal year
(3) School Contracts began in September
(4) Other Income - JPIA Wellness Grant and SDRMA Dental Dividend
(5) Transfer in from Reserves is moved at year-end
(6) Professional Services - Projects in process
(7) Travel is suspended due to COVID-19
(8) Prior year funds will cover Building and Capital Acquisition

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

	YTD ACTUAL	ANNUAL BUDGET	% Used
REVENUES			
Retail Connection Charge	7,837,792	7,837,792	100.00%
Ground Water Customer Charge	595,323	595,323	100.00%
Water Rate Revenues	8,433,115	8,433,115	100.00%
Choice Programs	1,204,029	1,510,618	79.70%
MWD Revenue - Shared Services	68,790	0	0.00%
Interest Revenue	166,382	458,000	36.33%
Miscellaneous Income	15,129	3,000	504.30%
School Contracts	25,858	120,376	0.00%
Gain on Sale of Investment	481	0	0.00%
Transfer in from Reserve	0	97,415	0.00%
Other Revenues	1,480,669	2,189,409	67.63%
TOTAL REVENUES	9,913,784	10,622,524	93.33%

OPERATING EXPENSES			
Salaries & Wages	3,175,011	4,152,072	76.47%
Directors' Compensation	183,688	258,909	70.95%
MWD Representation	93,972	157,070	59.83%
Employee Benefits	1,043,441	1,335,387	78.14%
CALPERS Unfunded Liability Contribution	207,000	207,000	100.00%
Directors Benefits	96,940	101,971	95.07%
Health Insurances for Retirees	51,862	87,449	59.31%
Training Expense	29,451	64,500	45.66%
Tuition Reimbursement	0	5,000	0.00%
Temporary Help Expense	0	5,000	0.00%
Personnel Expenses	4,881,365	6,374,358	76.58%
Engineering Expense	296,040	340,000	87.07%
Legal Expense	136,408	210,500	64.80%
Audit Expense	26,724	29,725	89.90%
Professional Services	627,788	1,581,338	39.70%
Professional Fees	1,086,960	2,161,563	50.29%
Conference-Staff	3,014	26,515	11.37%
Conference-Directors	5,185	18,695	27.73%
Travel & Accom.-Staff	1,424	62,495	2.28%
Travel & Accom.-Directors	0	24,900	0.00%
Travel & Conference	9,623	132,605	7.26%
Membership/Sponsorship	132,389	127,161	104.11%
CDR Support	39,825	53,158	74.92%
Dues & Memberships	172,214	180,319	95.51%

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

	YTD ACTUAL	ANNUAL BUDGET	% Used
Business Expense	0	4,500	0.00%
Maintenance Office	70,104	125,420	55.90%
Building Repair & Maintenance	15,512	15,000	103.41%
Storage Rental & Equipment Lease	1,537	1,750	87.83%
Office Supplies	5,814	39,000	14.91%
Supplies - Water Loss Control	8,373	10,000	83.73%
Postage/Mail Delivery	8,099	9,300	87.09%
Subscriptions & Books	786	1,000	78.60%
Reproduction Expense	5,530	83,700	6.61%
Maintenance-Computers	1,689	8,000	21.11%
Software Purchase	27,760	57,000	48.70%
Software Support	36,840	47,640	77.33%
Computers and Equipment	17,252	33,550	51.42%
Maintenance Expense	0	6,000	0.00%
Automotive Expense	124	20,000	0.62%
Vehicle Expense	2,575	6,350	40.55%
Toll Road Charges	0	2,300	0.00%
Insurance Expense	93,212	110,000	84.74%
Utilities - Telephone	27,839	30,850	90.24%
Bank Fees	1,823	1,200	151.92%
Miscellaneous Expense	24,456	113,800	21.49%
MWDOC's Contribution to WEROC	180,927	241,236	75.00%
Depreciation Expense	40,368	0	0.00%
Election Expense	871,322	0	0.00%
MWDOC Building Expense	1,259,431	726,883	173.26%
Capital Acquisition	225,609	79,200	284.86%
Other Expenses	2,926,982	1,773,679	165.02%
TOTAL EXPENSES	9,077,144	10,622,524	85.45%
EXCESS OF REVENUES OVER EXPENSES	836,640	0	

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

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>Balance</u>
<u>Water Revenues</u>			
Water Sales	94,620,180	208,407,327	(113,787,147)
Readiness to Serve Charge	8,568,991	11,583,326	(3,014,335)
Capacity Charge CCF	3,129,273	3,892,240	(762,967)
SCP/SAC Pipeline Surcharge	270,393	315,000	(44,607)
Interest	5,449	22,000	(16,551)
Total Water Revenues	<u>106,594,286</u>	<u>224,219,893</u>	<u>(117,625,607)</u>
<u>Water Purchases</u>			
Water Sales	94,620,180	208,407,327	(113,787,147)
Ready to Serve Charge	8,568,991	11,583,326	(3,014,335)
Capacity Charge	3,129,273	3,892,240	(762,967)
SCP/SAC Pipeline Surcharge	270,393	315,000	(44,607)
Total Water Purchases	<u>106,588,837</u>	<u>224,197,893</u>	<u>(117,609,056)</u>
EXCESS OF REVENUES OVER EXPENDITURES	<u>5,449</u>	<u>22,000</u>	<u>(16,551)</u>

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

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>Balance</u>
<u>WEROC</u>			
Revenues	427,486	482,472	(54,986)
Expenditures	362,617	482,472	(119,855)
Excess of Revenues over Expenditures	<u>64,869</u>	<u>0</u>	<u>64,869</u>

WUE Projects (details on next page)

Revenues	1,595,180	1,579,934	15,246
Expenditures	1,998,611	1,579,934	418,677
Excess of Revenues over Expenditures	<u>(403,431)</u>	<u>0</u>	<u>(403,431)</u>

Footnote:

- 1) The excess of expense over revenue is waiting for reimbursement.
- 2) USBR (Federal) Grant is billed in October and April with funds being received one month later.
- 3) DWR is billed quarterly to county and takes a few months to a year to receive funds.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget
Fiscal Year to Date ending March 2021 (Unaudited)
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance %</u>	<u>Fiscal Year Budget</u>	<u>% of Budget</u>	<u>Projected Final FY Budget</u>
<u>Spray to Drip Conversion</u>					
Revenues	55,457		38,900	142.56%	38,900
Expenditures	58,044		38,900	149.21%	38,900
Excess of Revenues over Expenditures	(2,586)	-5%			

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

Budget Variance: Stated budget number is a yearly number, Actual number is out ahead of Budgeted number due to increase in activity from property owners.

Member Agency Administered Pass thru

Revenues	1,640		175,000	0.94%	175,000
Expenditures	0		175,000	0.00%	175,000
Excess of Revenues over Expenditures	1,640	0%			

Actual Variance: Retail Water Agencies have not begun reporting their projects.

Budget Variance: Stated budget number is a yearly number. It is anticipated Agencies will begin their projects soon.

ULFT Rebate Program

Revenues	1,100		2,000	55.00%	2,000
Expenditures	1,100		2,000	55.00%	2,000
Excess of Revenues over Expenditures	0	0%			

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

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

HECW Rebate Program

Revenues	61,247		77,000	79.54%	77,000
Expenditures	61,225		77,000	79.51%	77,000
Excess of Revenues over Expenditures	22	0%			

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

Budget Variance: Stated budget number is a yearly number, actual number is for the third quarter. Final year-end will be an increase over the Budget.

CII Rebate Program

Revenues	0		12,500	0.00%	12,500
Expenditures	0		12,500	0.00%	12,500
Excess of Revenues over Expenditures	0	0%			

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

Budget Variance: Agencies have yet to provide their stated funding. It is expected they won't be participating.

Notes:

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

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Revenues and Expenditures Actual versus Budget
Fiscal Year to Date ending March 2021 (Unaudited)
Water Use Efficiency Projects

	<u>Actual</u>	<u>Variance %</u>	<u>Fiscal Year Budget</u>	<u>% of Budget</u>	<u>Projected Final FY Budget</u>
<u>Turf Removal Program</u>					
Revenues	1,112,346		648,000	171.66%	648,000
Expenditures	1,277,169		648,000	197.09%	648,000
Excess of Revenues over Expenditures	(164,823)	-15%			

Actual Variance: Posted revenues lagging slightly behind expenses. All revenue reporting for reimbursement is up to date.

Budget Variance: By the end of the fiscal year, Actual Budget will exceed the Budget due to increase property owner activity in our programs.

Comprehensive Landscape (CLWUE)

Revenues	236,271		130,784	180.66%	130,784
Expenditures	341,420		130,784	261.06%	130,784
Excess of Revenues over Expenditures	(105,149)	-45%			

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

Budget Variance: By the end of the fiscal year, Actual Budget will exceed the Budget due to increase activity in our programs.

Recycled Water Program

Revenues	2,642		61,750	4.28%	61,750
Expenditures	39,762		61,750	64.39%	61,750
Excess of Revenues over Expenditures	(37,120)	-1405%			

Actual Variance: Payments did occur for this program. Funding is from State grants which are notoriously slow to reimburse. All reporting is current.

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

WSIP - Industrial Program

Revenues	13,471		30,000	44.90%	30,000
Expenditures	28,471		30,000	94.90%	30,000
Excess of Revenues over Expenditures	(15,000)	-111%			

Actual Variance: Payments did occur for this program. Funding is from State grants which are notoriously slow to reimburse. All reporting is current.

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

Land Design Program

Revenues	111,005		404,000	27.48%	404,000
Expenditures	191,420		404,000	47.38%	404,000
Excess of Revenues over Expenditures	(80,415)	-72%			

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

Budget Variance: Stated budget number is a yearly number, actual number is for the third quarter. By fiscal year end, it is anticipated Actual Budget versus year-end program activity will come in less than the Budget.

Notes:

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



ACTION ITEM

May 19, 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: **Annual Review of District Investment Policy and Guidelines**

STAFF RECOMMENDATION

It is recommended that the Board of Directors approve the revisions to the Investment Policy and Guidelines and adopt a Resolution, as presented.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

MWDOC's Administrative Code requires an annual review of this policy and the previous Board Resolution No. 2084, May 2019, establishing the District's Investment Policy and Guidelines. The 2021 Local Agency Investment Guidelines had changes that staff is recommending which would increase Commercial Paper and Medium-Term Notes single issuer investment from 5% to 10%. The County of Orange did not have any changes that would apply to MWDOC's Investment Policy.

Staff is Recommending Option #1

Attached is the red lined Resolution.

Budgeted (Y/N):	Budgeted amount:	Core	Choice _
Action item amount:			
Fiscal Impact (explain if unbudgeted): Not applicable			

BOARD OPTIONS

Option #1

- Approve the staff recommendations for changes to our Investment Policy and Guidelines and adopt a Resolution

Fiscal Impact: N/A

Business Analysis: Allows MWDOC to invest up to 10% of its portfolio with one single issuer, which could increase our interest income.

Option #2

- Do not approve the changes to our Investment Policy and Guidelines

Fiscal Impact: N/A

Business Analysis: MWDOC will remain at 5% of investment portfolio with a single issuer.

**RESOLUTION NO. 2084
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
INVESTMENT POLICY AND GUIDELINES**

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**RESOLUTION NO. 2084
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
INVESTMENT POLICY AND GUIDELINES
2019**

BE IT RESOLVED by the Board of Director of the Municipal Water District of Orange County that the following is the policy and guidelines of the District for investment of funds and rescinds prior Resolution No. 2084, dated August 16, 2017.

SECTION 2100 - PURPOSE

The purpose of this policy is to set forth the investment and operational policies for the management of the public funds of Municipal Water District of Orange County. These policies have been adopted by, and can be changed only by a majority vote of the Board of Directors.

These policies are designed to ensure the prudent management of public funds, the safety of principal, the availability of operating funds when needed, and an investment return competitive with those of comparable funds and financial market indexes.

A copy of this policy will be provided to all investment brokers and investment managers doing business with the Municipal Water District of Orange County. Receipt of this policy, including confirmation that it has been reviewed by persons dealing directly with the Municipal Water District of Orange County's account will be received prior to any organization providing investment services to the Municipal Water District of Orange County.

SECTION 2101 - STATUTORY AND DELEGATED AUTHORITY

Authority to manage the investment of surplus funds is derived from California Government Code Sections 53601, et seq. In accordance with Section 53607 of the Government Code of the State of California, the authority of the Board of Directors to invest public funds may be delegated to the Treasurer for a one-year period, which may be renewed annually.

The Municipal Water District of Orange County (MWDOC) Board of Directors has expressly delegated the investment authority of the Board of Directors to the Treasurer pursuant to Resolution No. 1166. By Resolution No. 1277, the Board of Directors created the office of Deputy Treasurer and delegated to the Deputy Treasurer the authority to direct investment of MWDOC funds under the circumstances set forth in said Resolution, and to make a monthly report of those transactions to the Board. The Board of Directors created the office of Alternate Deputy Treasurer by Resolution No. 1434 and specified circumstances under which the Alternate Deputy Treasurer would have authority to direct the investment of MWDOC funds.

No person may engage in an investment transaction on behalf of MWDOC unless he or she has been duly appointed by the Board of Directors to the office of Treasurer, Deputy Treasurer, or Alternate Deputy Treasurer, and subject to the limitations and conditions set forth in the Resolutions establishing those offices and the terms of this policy. Notwithstanding the foregoing, upon the occurrence of a vacancy in the office of Treasurer, the Board of Directors may appoint an Acting Treasurer, who shall have and exercise the authority delegated to the Treasurer until appointment of a successor Treasurer by the Board of Directors.

The delegations in Resolution Nos. 1277 and 1434 are renewed on the adoption of this Policy. The Treasurer shall be responsible for all transactions undertaken and shall establish procedures and a system of internal controls to regulate the activities of subordinate officials.

SECTION 2101.5 – COMPLIANCE EXCEPTIONS REPORTING

Any compliance exceptions with the Investment Policy and Guidelines (IPG) will be reported within 72 hours to the General Manager, Board President, and the Chair of the Administration & Finance Committee. At the time of reporting, a recommended resolution to the matter shall be included. Notification shall also be included in the monthly Treasurer's Report to the Board of Directors with the resolution noted.

SECTION 2102 - ORGANIZATION

The organizational structure of the investment functions of MWDOC shall consist of the Board of Directors, the Administration & Finance Committee, the Treasurer and Deputy Treasurers. The responsibilities of these groups are as follows:

Board of Directors - the elected body responsible for the administration and investment of the assets of MWDOC. The Board may acquire, hold, manage, purchase, sell, assign, trade, transfer and/or dispose of any security, evidence of debt, or other investment in which MWDOC's assets may be invested by law. To assist them in discharging their responsibilities, the Board shall appoint a Treasurer, Deputy Treasurers and custodians of assets.

Administration & Finance Committee - appointed by the Board to review transactions, performance and asset mix, monitor, recommend policy, and propose adjustments for Board approval.

Treasurer - responsible for the administration and the investment of the funds, subject to the policies and restrictions set by the Board. The Treasurer as investment officer of MWDOC is granted full authority and responsibility by the Board in the purchase, sale, assignment, exchange and transfer of securities and for the safe custody of security holdings, subject to Board policies, rules, regulations and directives consistent with regulatory and statutory limitations. The Treasurer is responsible for interpreting, administering and advising on legal requirements, investment policies and strategies; collecting income, preparation of reports. Also responsible for Deputy Treasurer, and investment staff compliance with this Investment Policy and guidelines.

Deputy Treasurers - act in the absence of the Treasurer as specified within the Resolution of appointment to fulfill the duties and responsibilities as assigned by the Treasurer.

SECTION 2103- INVESTMENT PHILOSOPHY

Except where specifically directed by the State Constitution, statutes or regulations, the general investment policies of MWDOC will be guided by the prudent investor standard ("Standard") set forth in California Government Code Section 53600.3. Under this Standard, those with investment responsibility for public funds are trustees and, as trustees, shall act with care, skill, prudence and diligence under the circumstances then prevailing, including, but not limited to, the general economic conditions and the anticipated needs of MWDOC, that a prudent person acting in a like capacity and familiarity with those matters would use in the conduct of funds of a

like character and with like aims to safeguard the principal and maintain the liquidity needs of the agency.

This Standard shall be applied in the context of managing the overall investment portfolio. The investment officer, acting in accordance with written procedures and this investment policy and exercising due diligence shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided deviations from expectations are reported in a timely fashion and appropriate action is taken to control adverse developments.

SECTION 2104 - SCOPE

It is intended that this Investment Policy cover all funds and investment activities of MWDOC. Any reference to the portfolio shall mean the collection of MWDOC securities held by the Treasurer. Those securities held in Trust or escrow by a third-party Trustee or escrow agent on behalf of MWDOC are invested under the Treasurer's direction in accordance with this Investment Policy and the terms of the specific escrow or trust agreements related to the funds.

MWDOC funds are divided into two categories, and the investment objectives and policies vary with the nature of the fund.

- Operating and Fiduciary Funds - These funds are to provide for the ordinary annual operating expenses of MWDOC (General Fund, Water Fund) and Funds to provide for trustee functions and expenditures (WFC, with the exception of the Debt Service Reserve) and other specified recurring and non-recurring purposes where MWDOC serves in a fiduciary role. These funds are considered "short-term" for investment purposes and will be invested to provide the safety and liquidity to meet all anticipated expenditures.
- Reserve funds – These funds are designated for contingencies or emergencies and may be used to supplement the other funds as necessary. These funds may be invested "longer-term" as defined in this Investment Policy.

SECTION 2105- INVESTMENT OBJECTIVES

When investing, reinvesting, purchasing, acquiring, exchanging, selling or managing MWDOC's funds, the primary objective is to safeguard the principal of the funds. The secondary objective is to meet the liquidity needs of MWDOC. The third objective is to achieve a maximum return on invested funds (California Government Code Section 53600.5.). It is the policy of MWDOC to invest funds in a manner to obtain the highest yield possible while meeting the daily cash flow demands of MWDOC as long as investments meet the criteria established by this investment policy for safety and liquidity and conform to all laws governing the investment of MWDOC's funds.

Safety of Principal.

Safety of principal is the foremost objective of MWDOC. Each investment transaction shall seek to first ensure that capital losses are avoided, whether they arise from securities defaults, institution default, broker-dealer default, or erosion of market value of securities. MWDOC shall mitigate the risk to the principal of invested funds by limiting credit and interest rate risks. Credit risk is the risk of loss due to the failure of a security's issuer or

backer. Interest rate risk is the risk that the market value of the MWDOC's portfolio will change due to an increase/decrease in general interest rates.

1) Credit risk will be mitigated by:

- (a) Limiting investments to only the most creditworthy types of permissible investments as described in Section 2106;
- (b) By pre-qualifying the financial institutions with which the Agency will do business; and
- (c) By diversifying the investment portfolio so that the potential failure of any one issue or issuer will not place an undue financial burden on the District.

2) Interest rate risk will be mitigated by:

- (a) Structuring the portfolio so that securities mature to meet the District's cash requirements for ongoing obligations, thereby reducing the possible need to sell securities on the open market at a loss prior to their maturity to meet those requirements; and
- (b) Investing primarily in shorter term securities.

Liquidity

Availability of sufficient cash to pay for current expenditures shall be maintained. An adequate percentage of the portfolio shall be maintained in liquid short-term securities which can be converted to cash as necessary to meet disbursement requirements. Since cash requirements cannot always be anticipated, sufficient investments in securities with active secondary or resale markets shall be utilized.

Rates of Return

Yield on investments shall be considered only after the basic requirements of safety and liquidity have been met. The investment portfolio shall be designed to attain a market average rate of return throughout budgetary and economic cycles, taking into account the MWDOC's risk constraints, the composition and cash flow characteristics of the portfolio, and applicable laws.

SECTION 2106- INVESTMENT POLICY GUIDELINES

MWDOC authorized investment types, amounts, maturities, and other characteristics are stated in the Government Code Section 53601 (as periodically amended), and with the following exceptions as noted below.

- Collective Investment Pools - Assets of any of the funds may be invested in collective investment pools run and managed by other public bodies and banks that are approved by the Board of Directors. However, no such investment shall be made in a pool where the investment objectives differ from the investment objectives listed in Section 2105 of this investment policy, nor should any investment be made in a fund that engages in market timing or anticipating interest rate changes or that uses derivatives or other securities other than as a hedge against interest rate risk. The investment shall not exceed 20% of portfolio in effect immediately after such investment and no more than 10% in one pool.

- Money Market Mutual Funds - Investment in shares of money market mutual funds may be made if the investments meet the same restrictions as those of collective investment pools. In addition, purchase of these funds must not result in payment of a purchase premium or commission. These mutual funds must attain the highest ranking of two nationally recognized ratings services and the investment adviser must be registered with the Securities and Exchange Commission (SEC) as an investment adviser with not less than five years' experience managing market mutual funds with investment portfolios of greater than \$500 million. An investment shall not exceed 20% of portfolio in effect immediately after such investment.
- Cash Holdings - The portfolio will hold sufficient cash equivalent investments to ensure availability of sufficient funds to meet known obligations for the next three months. Idle cash will be invested to the fullest extent practicable in interest-bearing investments.
- Other permissible investments for the Operating and Fiduciary funds are:
 - Bank checking accounts, time deposits or certificates of deposit not to exceed the current Federal Deposit Insurance Corporation (FDIC) limit without being collateralized.
 - Negotiable Certificates of Deposit shall not exceed 30% of portfolio in effect immediately after such investment and no more than 5% in one issuer.
 - U.S. Treasury obligations.
 - U.S. Government Agency obligations and, U.S. Government Instrumentality obligations. May not invest more than 50% of portfolio from one issuer.
 - Prime Commercial Paper rated A-1/P-1/F-1 by Moody's, Standard and Poor's or Fitch. May not exceed 25% of portfolio in effect immediately after such investment and may purchase no more than ~~10%~~ of the outstanding commercial paper of any single issuer. The maximum maturity for Commercial Paper is 270 days.
 - Prime Banker's Acceptances rated A-1/P-1/F-1 by Moody's, Standard and Poor's or Fitch shall not exceed 40% of portfolio in effect immediately after such investment and no more than 5% may be of any one commercial bank. The maximum maturity is 180 days.
 - Corporate Securities (Medium-Term Notes) with a rating of "A" or better by at least two nationally recognized rating services. Shall not exceed 30% of portfolio in effect immediately after such investment with no more than ~~10%~~ in one issuer.
 - Loans with an agreement for the collateral to be repurchased by the borrower (Repurchase Agreements); the amount of such instruments will not exceed 20% of the market value of the portfolio with no more than 10% from one issuer. Maximum maturity is 1 year. U.S. Treasury and Agency securities are acceptable collateral with a market value of at least 102% of the value of the Repurchase Agreement. Prior to investment, a Master Repurchase Agreement will be signed with the qualified counterparty.
- Permissible investments for Reserve Funds are:
 - All investments permitted for the Operating and Fiduciary funds, except maturities may not exceed five years without Board approval prior to investment.
- Prohibited Investments and Investment Practices - The following are prohibited:

Deleted: 5%

Deleted: 5%

- Purchases on margin or short sales.
 - "Derivative" securities of any type.
 - Lending securities with an agreement to buy them back after a stated period of time (Reverse Repurchase Agreements).
 - Futures, Options and Margin Trading
 - In no instance shall a swap be used in speculation. Losses are only acceptable if the proposed swap or trade can clearly enhance quality or yield (value) over the life of the new security on a Total Return basis.
 - Investments are limited to maturities of five years or less without express authorization of the Board prior to the investment.
- Diversification - The investment portfolio will be diversified to avoid undue concentration in securities of one type or securities of one financial institution, so that no single investment or class of investments can have a disproportionate impact on the total portfolio. This restriction does not apply to U.S. Treasury securities.
 - Exemptions - Any investment currently held that does not meet the guidelines of this policy shall be exempted from the requirements of this policy. At maturity or liquidation, such monies shall be reinvested only as provided by the current policy.

SECTION 2107 - EXECUTION

The responsibility for the execution of security transactions shall rest with such qualified members of the investment staff as designated by the Board. The selection of the broker-dealer for a specific transaction shall be based on price and yield quotations. Every effort shall be made to obtain appropriate discounts on individual orders.

Security orders shall be placed on the basis of accepted investment practices. All security transactions, including for repurchase agreements, entered into by MWDOC shall be on a Delivery-vs.-Payment (DVP) basis, i.e. payment will be made upon receipt of the securities to the safekeeping or trust account or custodial facility. All securities shall be held in MWDOC's name pursuant to an agreement and all financial institutions are instructed to mail confirmation and safekeeping receipts directly to MWDOC within three business days after the trade.

Receipts for the confirmation of trades of authorized securities will include information on trade date, par value, maturity, interest rate, price, yield, settlement date, description of securities purchased, agency's name, amount due, and third party custodial information.

SECTION 2108 - PERSONAL CONDUCT

The Board of Directors of Municipal Water District of Orange County is acutely aware of the responsibilities the staff has in administering the investment assets of MWDOC.

Members of the Board of Directors, the Treasurer, Deputy Treasurers and members of the investment staff may not have a direct or indirect interest in the gains or profits of any investment made by MWDOC and may not receive any pay or emolument (profit arising from office or employment usually in the form of compensation or perquisites) for services other than as designated by MWDOC for compensation and authorized expenses.

All persons responsible for investment decisions or who are involved in the management of MWDOC assets shall be governed in their personal investment activities by the codes of conduct established by the applicable state statutes, the Financial Industry Regulatory Authority (FINRA), the Securities and Exchange Commission, and the Code of Ethics and Standards of Professional Conduct of the Association for Investment Management and Research.

All persons responsible for investment decisions or who are involved in the management of MWDOC assets shall refrain from any personal business activity that could conflict with the proper execution and management of the MWDOC investment program, or that could impair their ability to make impartial investment decisions.

SECTION 2109 - REPORTING

The Treasurer shall prepare an investment report monthly, including a management summary that provides the status of the current investment portfolio and transactions made over the last month. The Report shall be submitted within forty-five (45) days following the month ended. The report should be provided to and reviewed by the General Manager, the Administration & Finance Committee and provided to the Board of Directors. The report will include the following:

- A listing of individual securities held at the end of the reporting period;
- Average weighted yield to maturity of portfolio on MWDOC investments;
- Listing of investments by maturity date;
- Market values of current investments;
- Percentage of the total portfolio which each type of investment represents.

This investment policy shall be reviewed by the Administration and Finance Committee annually and as frequently as necessary, to enable the Treasurer to respond to changing economic and market conditions.

SECTION 2110 - GLOSSARY

AGENCIES: Federal agency securities and/or Government-sponsored enterprises.

ASKED: The price at which securities are offered.

BANKERS' ACCEPTANCE (BA): A draft or bill of exchange accepted by a bank or trust company. The accepting institution guarantees payment of the bill, as well as the issuer.

BENCHMARK: A comparative base for measuring the performance or risk tolerance of the investment portfolio. A benchmark should represent a close correlation to the level of risk and the average duration of the portfolio's investments.

BID: The price offered by a buyer of securities. (When you are selling securities, you ask for a bid.) See Offer.

BROKER: A broker brings buyers and sellers together for a commission.

BROKER-DEALER: A person or firm acting as a principal in securities transaction as either a broker or a dealer depending on the transaction. Technically, a broker is only an agent who executes orders on behalf of clients, whereas a dealer acts as a principal and trades from the

firm's own account. Transaction confirmations must disclose this information. Because most brokerage firms act as both brokers and principals, the term broker-dealer is commonly used to describe them.

CASH EQUIVALENTS (CE): Highly liquid and safe instruments or investments that can be converted into cash immediately. Examples include bank accounts, money market funds, and Treasury bills.

CERTIFICATE OF DEPOSIT (CD): A time deposit with a specific maturity that usually pays interest. Also referred to as Negotiable CD's, they are insured by FDIC up to \$250,000, but they are not collateralized beyond that amount.

COLLATERAL: Securities, evidence of deposit or other property, which a borrower pledges to secure repayment of a loan. Also refers to securities pledged by a bank to secure deposits of public monies.

COMMERICAL PAPER: Short-term unsecured promissory note issued by corporations or municipalities with maturities ranging from 2 to 270 days.

COMPREHENSIVE ANNUAL FINANCIAL REPORT (CAFR): It includes five combined statements for each individual fund and account group prepared in conformity with GAAP. It also includes supporting schedules necessary to demonstrate compliance with finance-related legal and contractual provisions, extensive introductory material, and a detailed Statistical Section.

COUPON: (a) The annual rate of interest that a bond's issuer promises to pay the bondholder on the bond's face value. (b) A certificate attached to a bond evidencing interest due on a payment date.

DEALER: A dealer, as opposed to a broker, acts as a principal in all transactions, buying and selling for his own account.

DEBENTURE: A bond secured only by the general credit of the issuer.

DELIVERY VERSUS PAYMENT: There are two methods of delivery of securities: delivery versus payment and delivery versus receipt. Delivery versus payment is delivery of securities with an exchange of money for the securities. Delivery versus receipt is delivery of securities with an exchange of a signed receipt for the securities.

DERIVATIVES: (1) Financial instruments whose return profile is linked to, or derived from, the movement of one or more underlying index or security, and may include a leveraging factor, or (2) financial contracts based upon notional amounts whose value is derived from an underlying index or security (interest rates, foreign exchange rates, equities or commodities).

DISCOUNT: The difference between the cost price of a security and its maturity when quoted at lower than face value. A security selling below original offering price shortly after sale also is considered to be at a discount.

DISCOUNT SECURITIES: Non-interest bearing money market instruments that are issued at a discount and redeemed at maturity for full face value (e.g., *U.S. Treasury Bills*.)

DIVERSIFICATION: Dividing investment funds among a variety of securities offering independent returns.

DURATION: A measure of the sensitivity of the price (the value of principal) of a fixed-income investment to a change in interest rates. Duration is expressed as a number of years. Rising interest rates mean falling bond prices, while declining interest rates mean rising bond prices.

FEDERAL CREDIT AGENCIES: Agencies of the Federal government set up to supply credit to various classes of institutions and individuals, e.g., S&L's, small business firms, students, farmers, farm cooperatives, and exporters.

FEDERAL DEPOSIT INSURANCE CORPORATION (FDIC): A federal agency that insures bank deposits, currently up to \$250,000 per entity.

FEDERAL FUNDS RATE: The rate of interest at which Fed funds are traded. This rate is currently pegged by the Federal Reserve through open-market operations.

FEDERAL HOME LOAN BANKS (FHLB): Government sponsored wholesale banks (currently 12 regional banks), which lend funds and provide correspondent banking services to member commercial banks, thrift institutions, credit unions and insurance companies. The mission of the FHLBs is to liquefy the housing related assets of its members who must purchase stock in their district Bank.

FEDERAL NATIONAL MORTGAGE ASSOCIATION (FNMA): FNMA, like GNMA was chartered under the Federal National Mortgage Association Act in 1938. FNMA is a federal corporation working under the auspices of the Department of Housing and Urban Development (HUD). Fannie Mae, as the corporation is called, is a private stockholder-owned corporation. The corporation's purchases include a variety of adjustable mortgages and second loans, in addition to fixed-rate mortgages. FNMA's securities are also highly liquid and are widely accepted. FNMA assumes and guarantees that all security holders will receive timely payment of principal and interest.

FEDERAL OPEN MARKET COMMITTEE (FOMC): Consists of seven members of the Federal Reserve Board and five of the twelve Federal Reserve Bank Presidents. The President of the New York Federal Reserve Bank is a permanent member, while the other Presidents serve on a rotating basis. The Committee periodically meets to set Federal Reserve guidelines regarding purchases and sales of Government Securities in the open market as a means of influencing the volume of bank credit and money.

FEDERAL RESERVE SYSTEM: The central bank of the United States created by Congress and consisting of a seven member Board of Governors in Washington, D.C., 12 regional banks and about 3,543 commercial banks that are members of the system.

FITCH, INC.: (See Nationally Recognized Statistical Rating Organization)

GOVERNMENT NATIONAL MORTGAGE ASSOCIATION (GNMA or Ginnie Mae): Residential mortgage-backed security (MBS) instruments influencing the volume of bank credit guaranteed by GNMA and issued by geographically diverse mortgage companies, commercial banks, and thrifts of all sizes, as well as state housing finance agencies.. Security holder is protected by full

faith and credit of the U.S. Government. Ginnie Mae securities are backed by the FHA, VA or FHA mortgages. The term "pass-throughs" is often used to describe Ginnie Maes.

LIQUIDITY: A liquid asset is one that can be converted easily and rapidly into cash without a substantial loss of value. In the money market, a security is said to be liquid if the spread between bid and asked prices is narrow and reasonable size can be done at those quotes.

LOCAL GOVERNMENT INVESTMENT POOL (LGIP): The aggregate of all funds from political subdivisions that are placed in the custody of the State Treasurer for investment and reinvestment.

MARKET VALUE: The price at which a security is trading and could presumably be purchased or sold.

MASTER REPURCHASE AGREEMENT: A written contract covering all future transactions between the parties to repurchase—reverse repurchase agreements that establishes each party's rights in the transactions. A master agreement will often specify, among other things, the right of the buyer-lender to liquidate the underlying securities in the event of default by the seller borrower.

MATURITY: The date upon which the principal or stated value of an investment becomes due and payable.

MEDIUM TERM NOTES: Debt securities issued by a corporation or depository institution with a maturity of five years or less. This can also include debt securities originally issued for maturities longer than five years, but which have now fallen within the five year maturity range. If issued by a bank they are also referred to as "bank notes".

MOODY'S INVESTORS SERVICES, INC.: (See Nationally Recognized Statistical Rating Organization)

MONEY MARKET: The market in which short-term debt instruments (bills, commercial paper, bankers' acceptances, etc.) are issued and traded.

NATIONALLY RECOGNIZED STATISTICAL RATING ORGANIZATION: Firms that review the creditworthiness of the issuers of debt securities and express their opinion in the form of letter ratings (e.g. AAA, AA, A, BBB, etc.). The primary rating agencies are the following Standard & Poor's Corporation, Moody's Investor Services, Inc., and Fitch, Inc.

OFFER: The price asked by a seller of securities. (When you are buying securities, you ask for an offer.) See Asked and Bid.

OPEN MARKET OPERATIONS: Purchases and sales of government and certain other securities in the open market by the New York Federal Reserve Bank as directed by the FOMC in order to influence the volume of money and credit in the economy. Purchases inject reserves into the bank system and stimulate growth of money and credit; sales have the opposite effect. Open market operations are the Federal Reserve's most important and most flexible monetary policy tool.

OPTIONS: A contract that gives the buyer the right to buy or sell an obligation at a specified price for a specified time.

PORTFOLIO: Collection of securities held by an investor.

PRIMARY DEALER: A group of government securities dealers who submit weekly reports of market activity and positions and monthly financial statements to the Federal Reserve Bank of New York and are subject to its informal oversight. Primary dealers include Securities and Exchange Commission (SEC)-registered securities broker-dealers, banks, and a few unregulated firms.

PRUDENT PERSON RULE: An investment standard. In some states the law requires that a fiduciary, such as a trustee, may invest money only in a list of securities selected by the custody state—the so-called legal list. In other states the trustee may invest in a security if it is one which would be bought by a prudent person of discretion and intelligence who is seeking a reasonable income and preservation of capital.

QUALIFIED PUBLIC DEPOSITORIES: A financial institution which does not claim exemption from the payment of any sales or compensating use or ad valorem taxes under the laws of this state, which has segregated for the benefit of the commission eligible collateral having a value of not less than its maximum liability and which has been approved by the Public Deposit Protection Commission to hold public deposits.

RATE OF RETURN: The yield obtainable on a security based on its purchase price or its current market price. This may be the amortized yield to maturity on a bond the current income return.

REPURCHASE AGREEMENT (REPO): A holder of securities sells these securities to an investor with an agreement to repurchase them at a fixed price on a fixed date. The security “buyer” in effect lends the “seller” money for the period of the agreement, and the terms of the agreement are structured to compensate him for this.

REVERSE REPURCHASE AGREEMENT (REVERSE REPO): A reverse-repurchase agreement (reverse repo) involves an investor borrowing cash from a financial institution in exchange for securities. The investor agrees to repurchase the securities at a specified date for the same cash value plus an agreed upon interest rate. Although the transaction is similar to a repo, the purpose of entering into a reverse repo is quite different. While a repo is a straightforward investment of public funds, the reverse repo is a borrowing.

SAFEKEEPING: A service to customers rendered by banks for a fee whereby securities and valuables of all types and descriptions are held in the bank’s vaults for protection.

SECONDARY MARKET: A market made for the purchase and sale of outstanding issues following the initial distribution.

SECURITIES & EXCHANGE COMMISSION: Agency created by Congress to protect investors in securities transactions by administering securities legislation.

SEC RULE 15(C) 3-1: See Uniform Net Capital Rule.

STANDARD & POOR'S CORPORATION: (See Nationally Recognized Statistical Rating Organization)

STRUCTURED NOTES: Notes issued by Government Sponsored Enterprises (FHLB, FNMA, SLMA, etc.) and Corporations, which have imbedded options (e.g., call features, step-up coupons, floating rate coupons, derivative-based returns) into their debt structure. Their market performance is impacted by the fluctuation of interest rates, the volatility of the imbedded options and shifts in the shape of the yield curve.

TOTAL RETURN: A measure of performance, Total Return is the actual rate of return of an investment or a pool of investments, over a given evaluation period. Total Return accounts for two categories of return: income and capital appreciation. Income includes interest paid by fixed-income investments, distributions or dividends. Capital appreciation represents the change in the market price of an asset.

TREASURY BILLS: A non-interest bearing discount security issued by the U.S. Treasury to finance the national debt. Most bills are issued to mature in three months, six months, or one year.

TREASURY BONDS: Long-term coupon-bearing U.S. Treasury securities issued as direct obligations of the U.S. Government and having initial maturities of more than 10 years.

TREASURY NOTES: Medium-term coupon-bearing U.S. Treasury securities issued as direct obligations of the U.S. Government and having initial maturities from two to 10 years.

TREASURY SECURITIES: Securities issued by the U.S. Treasury and backed by the full faith and credit of the United States. Treasuries are considered to have no credit risk and are the benchmark for interest rates on all other securities in the U.S. and overseas. The Treasury issues both discounted securities and fixed coupon notes and bonds.

UNIFORM NET CAPITAL RULE: Securities and Exchange Commission requirement that member firms as well as nonmember broker-dealers in securities maintain a maximum ratio of indebtedness to liquid capital of 15 to 1; also called net capital rule and net capital ratio. Indebtedness covers all money owed to a firm, including margin loans and commitments to purchase securities, one reason new public issues are spread among members of underwriting syndicates. Liquid capital includes cash and assets easily converted into cash.

U.S. GOVERNMENT AGENCY SECURITIES: Debt securities issued by U.S. Government sponsored enterprises and federally related institutions (FHLB, Federal Home Loan Mortgage Corporation (FHLMC or Freddie Mac), FNMA).

YIELD: The rate of annual income return on an investment, expressed as a percentage. (a) **INCOME YIELD** is obtained by dividing the current dollar income by the current market price for the security. (b) **NET YIELD** or **YIELD TO MATURITY** is the current income yield minus any premium above par or plus any discount from par in purchase price, with the adjustment spread over the period from the date of purchase to the date of maturity of the bond.

BE IT FURTHER RESOLVED the investment policy shall be reviewed by the Administration and Finance Committee annually, and as frequently as necessary, to enable the Treasurer to respond to changing market conditions;

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

AYES: Directors Barbre, Dick, Yoo Schneider, Tamaribuchi &
Thomas
NOES: None
ABSENT: Director Finnegan and Director/Division 3 (Vacant)
ABSTAIN: None

I certify the foregoing is a true, full and correct copy of Resolution No. 2084 adopted by the Board of Director of Municipal Water District of Orange County at its Regular meeting held on May 15, 2019.

Maribeth Goldsby, District Secretary
Municipal Water District of Orange County



**Administration Activities Report
April 9, 2021 – May 6, 2021**

Activity	Summary
<p>Administration/Board</p>	<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; including updating Zoom Board and Committee meetings, Reserve Policy, ISDOC and WACO, and calendar. • Coordinate with CSDA on requirements for higher level transparency awards. • Prepared/coordinated publications for OC Register. • Coordinated training (Harassment Prevention) for a Director. • Distributed Water Rates Resolution to member agencies. • Solicited schedules, set-up and hosted various Zoom Meetings for the General Manager, Director of Engineering and Principal Water Resources Analyst. • Formatted letters for Government Affairs. • Hosted WACO, ISDOC Executive & ISDOC Quarterly Luncheon meetings. • Updated ISDOC website. • Registered Directors for various webinars. • Registered Director of Water Use Efficiency and Water Loss Control Programs Supervisor for From Audit to Target: Essentials of Real Loss Reduction webinar. • Followed-up on outstanding agreements. • Processed agreements for WUE. • Updated the 2019 ISDOC Directory for the Governmental Affairs Manager.
<p>Administration/Board</p>	

(continued)	<ul style="list-style-type: none"> Updated ISDOC lists in ACT!
Records Management	<ul style="list-style-type: none"> Continued review of files within the office and vault to determine disposition for next phase of construction. Staff continues to review incoming mail and logging necessary documents into the Laserfiche system. Staff continues to review documents and update information in Laserfiche. Staff attended an ECS/Laserfiche webinar, "Leading by Example." Documents that have been removed from offices are being reviewed and scanned, if necessary.
Health Benefits	<ul style="list-style-type: none"> Open enrollment information for 2022 is anticipated to be released in August.
Recruitment/Departures	<ul style="list-style-type: none"> HR is recruiting for an intern for Public Affairs as well as a Water Use Efficiency Intern. Katie Vincent will transition from part-time Education Program Assistant to Public Affairs Assistant in mid-May, following departure of Traci Muldoon.
Projects and Activities	<ul style="list-style-type: none"> Staff continues coordination efforts in working with Engineering staff, IDS, ABS and the furniture vendor, on planning for the Office Seismic Retrofit and Tenant Improvements. Staff is preparing the office for the 2nd phase of construction to start mid-June; including removing furniture and obsolete items; reviewing storage needs; boxing up work areas. Staff is continuing to work with the furniture vendor (People Space) on finalizing the office furniture specifications and the Interior Designer with IDS regarding office color specifications and materials. The General Manager continues to hold bi-monthly staff meetings via Zoom. HR staff is continuing to work closely with the Director of Emergency Management on COVID-19, the impacts to MWDOC employees and implementation of processes and procedures. Keeping in mind the safety and well-being of employees. The District's general liability insurance renewal has been completed for the upcoming policy year through JPIA.
Projects and Activities	



<p>(continued)</p>	<ul style="list-style-type: none">• Staff is reviewing the JPIA property insurance renewal for the upcoming policy year.• HR reviewed the IIPP with all staff at a recent All Staff Meeting.• Staff continues to coordinate additional office cleanings in the office twice a week.• Staff hosted and attended various Board, Committee and Department meetings via zoom.• Several staff members completed a four-week course on Foundations in Excellence course through the Center for Organization Effectiveness.• HR staff participated in the biweekly WEROC COVID conference call.• Staff continues to hold weekly virtual Zoom meetings of the Administration Department.• Staff continues to update changes to the MWD OC Cities and Water Agencies Directory, the Act Database and to the District Contacts In Outlook• Staff exported and provided distribution lists from the Database, as requested.• On April 13th, Joe Berg and Heather Baez completed a 10-week Supervisor Academy Course through the Center for Organization Effectiveness.
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INFORMATION ITEM

May 12, 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 2020-21.

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 no rebate checks awaiting a W-9 form.	On-going	On-going	In Progress
Prepare for annual audit of our financial statements	0%	10-31-2021	Not Started
Government Compensation in California Report 2020	100%	04-30-2021	Completed
Preparation of documents for FY2021-22 budget process.	100%	04-30-2021	Completed
Rate Study with Raftelis for 5 th year cycle due 2021	100%	04-30-2021	Completed

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.	50%	06-31-2021	In Progress
Software upgrade for Primary Domain Controller	10%	06-31-2021	In Progress
Implement firewall for District wireless network	70%	06-31-2021	In Progress

FY 2020-21 Completed Special Tasks

Description	% of Completion	Completion date	Status
<u>Finance</u>			
Design, Implementation and Training of Accufund ERP software	100%	01-31-2021	Completed
State Controller Report preparation FY19-20	100%	01-31-2021	Completed
<u>Information Technology</u>			
Implement message archiver for District Exchange E-mail system	100%	03-31-2021	Completed



INFORMATION ITEM

May 12, 2021

TO: Board of Directors

FROM: Robert Hunter, General Manager

Staff Contact: Kevin Hostert

SUBJECT: WATER SUPPLY CONDITION UPDATE

STAFF RECOMMENDATION

Staff recommends the Board of Directors to review and discuss this information.

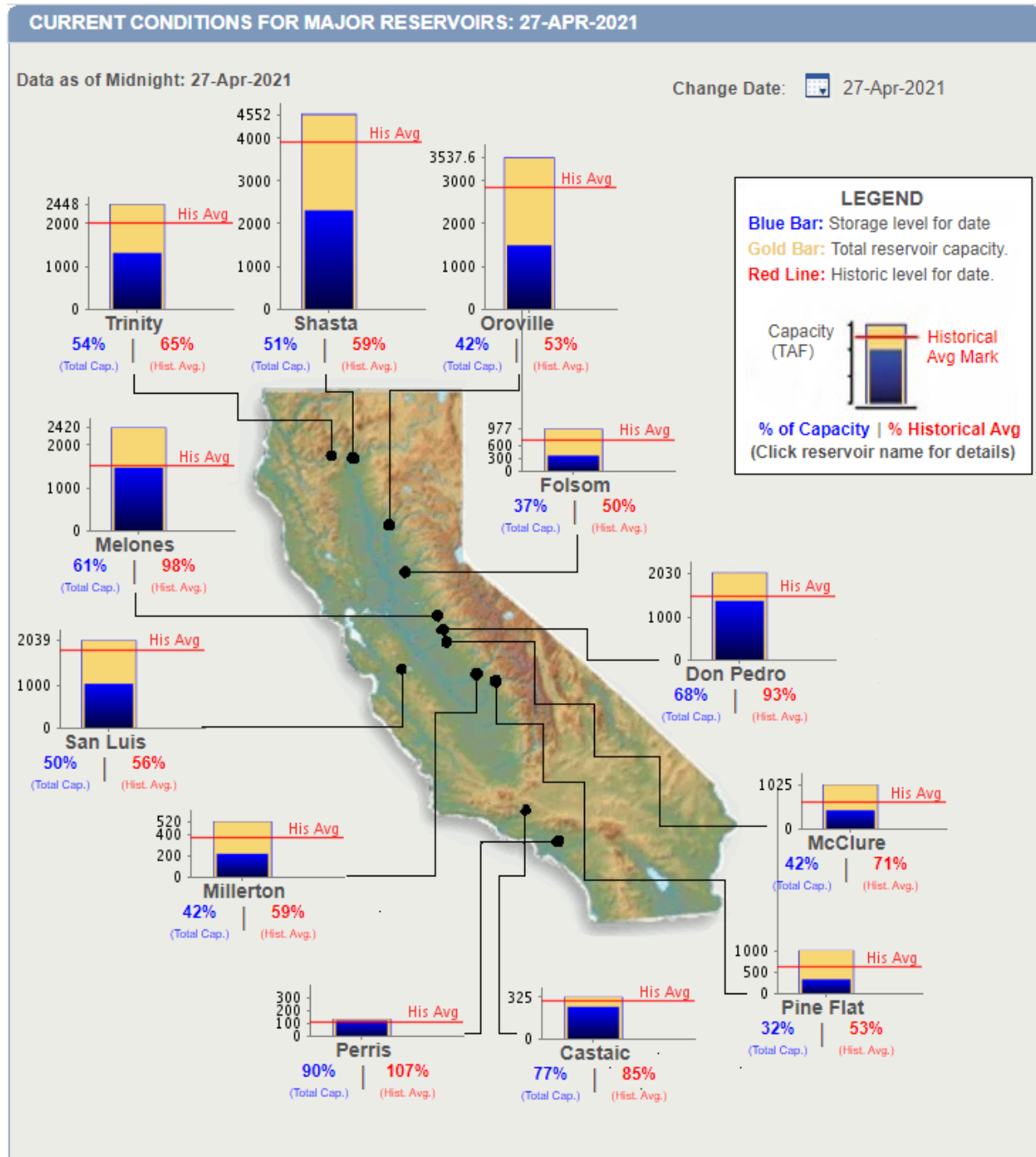
SUMMARY REPORT

The 2020-21 Water Year (2020-21 WY) officially started on October 1, 2020. Thus far, the Northern California accumulated precipitation (8-Station Index) is reporting **23.1 inches or 50% of normal** as of April 28th. For 2020-21 WY, the Northern Sierra Snow Water Equivalent is peaked at **20.2 inches on March 24th**, which is **71% of normal** for that day. Due to the below average precipitation/snowfall, the Department of Water Resources (DWR) has reduced the initial State Water Project (SWP) **“Table A” allocation from 10% to 5%**. This allocation provides Metropolitan with approximately **96,575 AF in SWP deliveries this water year**. DWR's SWP Allocation considers several factors including existing storage in SWP, conservation reservoirs, SWP operational regulatory constraints, and the 2021 contractor demands. If the Table A allocation remains at 5%, it would be tied for the lowest allocation dating back to 1968. The last time DWR had a Table A Allocation of 5% was in 2014.

The Upper Colorado River Basin accumulated precipitation is reporting **15.1 inches or 73% of normal as of April 26th**. On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. The Upper Colorado River Basin Snow Water Equivalent was reporting **16.4 inches as of April 1st**, which is **86% of normal** for that day. Due to the below average precipitation/snowfall in 2020-21 WY, there is now a 60% chance of a shortage at Lake Mead in 2022 and a 82% chance of shortage in 2023.

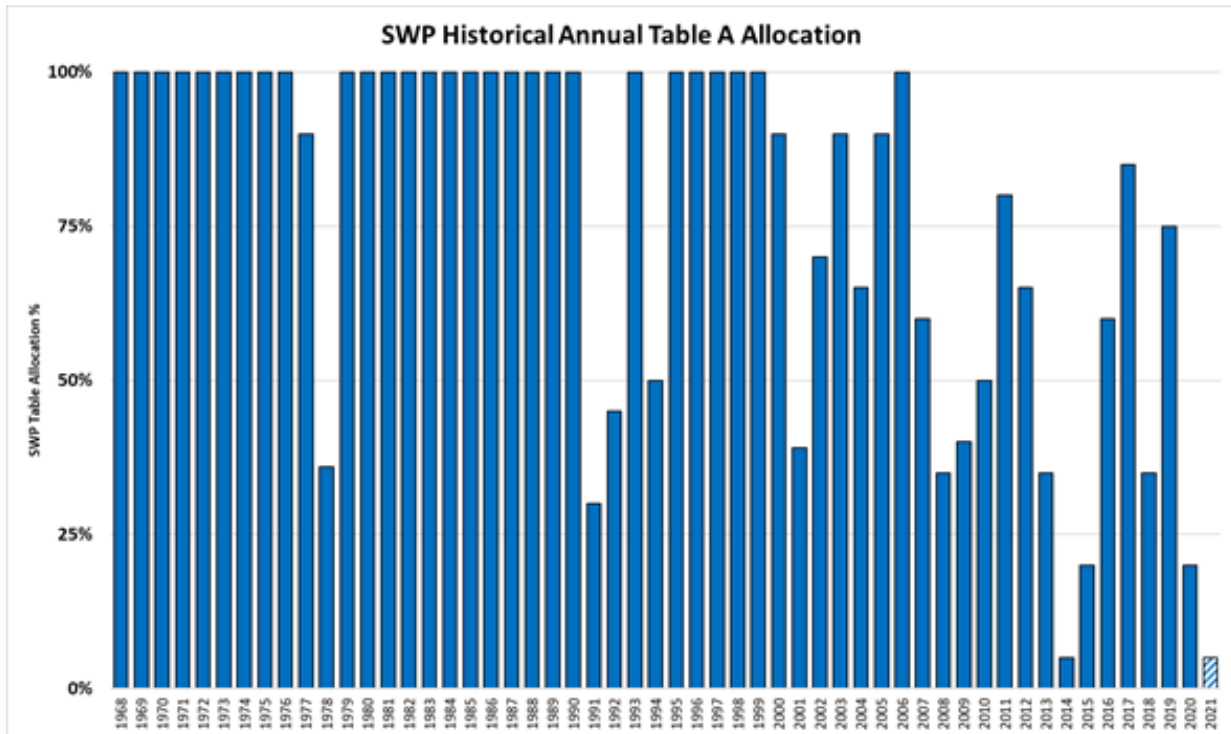
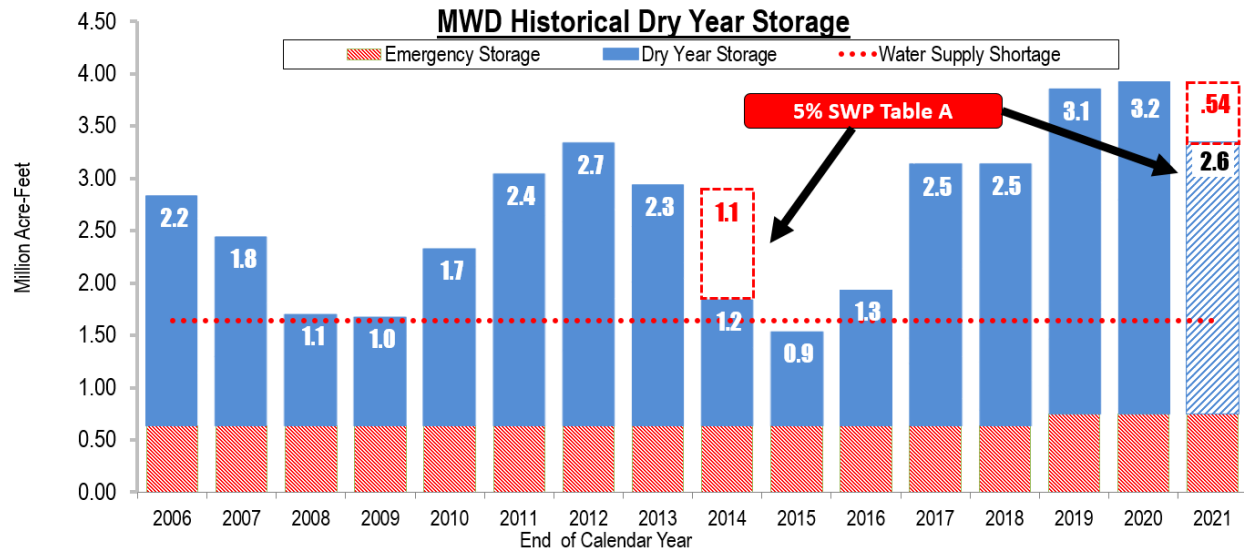
Budgeted (Y/N): N/A	Budgeted amount: N/A	Core _X_	Choice __
Action item amount: N/A	Line item:		
Fiscal Impact (explain if unbudgeted):			

As of April 27th Lake Oroville storage is at **42% of total capacity and 53% of normal**. As of April 27th San Luis Reservoir has a current volume of **51% of the reservoir's total capacity and is 56% of normal**.



With estimated total demands and losses of 1.648 million acre-feet (MAF) and with a 5% SWP Table A Allocation, Metropolitan is projecting that demands will exceed supply levels in Calendar Year (CY) 2021. Based on this, estimated total dry-year storage for Metropolitan at the end of **CY 2021 will go down to approximately 2.6 MAF**.

A projected dry-year storage supply of **2.6 MAF** will be the fourth highest amount for **Metropolitan**, a very impressive accomplishment given that the last two years have been extremely dry in Northern California. A large factor in maintaining a high water storage level are lower than expected water demands. We are seeing regional water demands reaching a 38-year low.





Water Supply Conditions

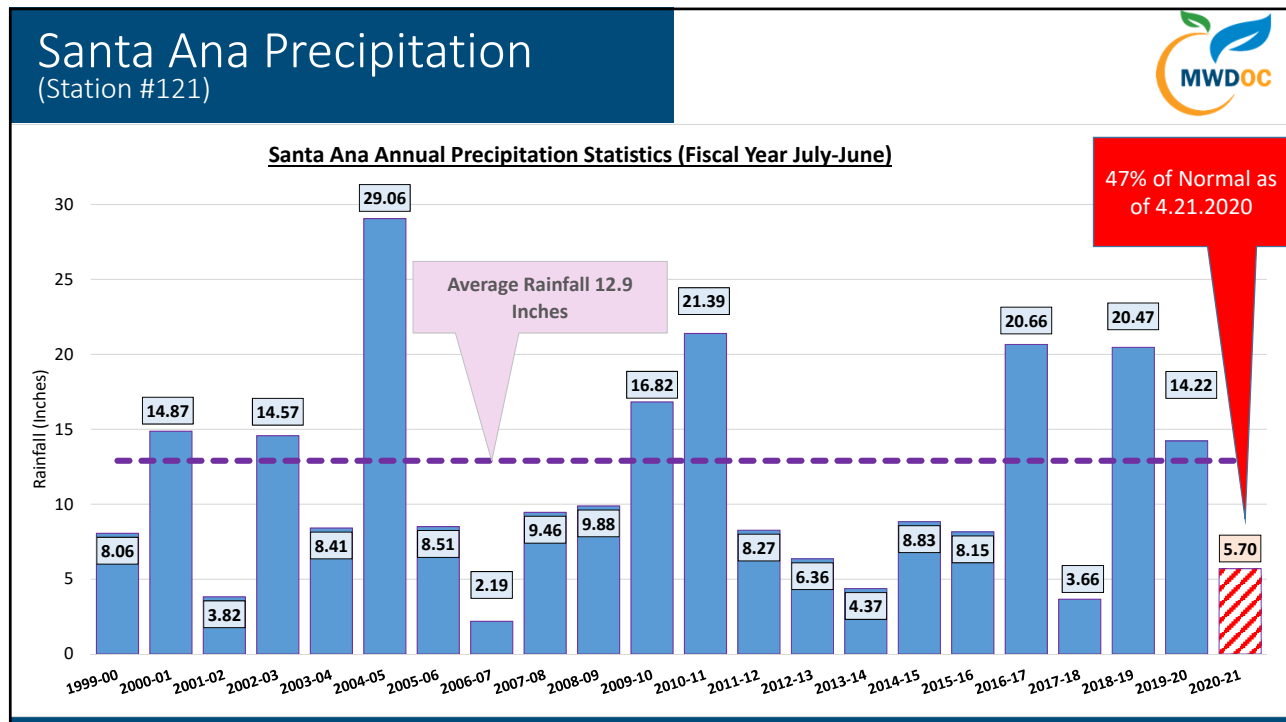
Kevin Hostert, Water Resources Analyst
Municipal Water District of Orange County

May 5th 2021



Orange County Weather and Water Supply Conditions

Insight to local weather conditions that affect Orange County's water supply and water demand

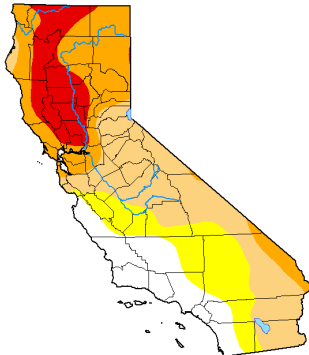


California Drought Monitor

October 2020 = 68% Moderate Drought (D1) in California
October 2020 = 36% Severe to Extreme Drought (D2 to D3) in California

April 2021 = 94% Moderate Drought (D1) in California
April 2021 = 70% Severe to Exceptional Drought (D2 to D4) in California

U.S. Drought Monitor
California



October 20, 2020
(Released Thursday, Oct. 22, 2020)
Valid 8 a.m. EDT

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	15.40	84.60	87.54	35.61	12.74	0.00
Last Week	15.40	84.60	87.54	35.61	12.74	0.00
3 Month Ago	40.34	59.66	48.21	21.50	3.04	0.00
Start of Calendar Year	95.43	3.57	0.00	0.00	0.00	0.00
Start of Water Year	15.35	84.65	87.65	35.62	12.74	0.00
One Year Ago	82.28	17.74	2.95	0.00	0.00	0.00

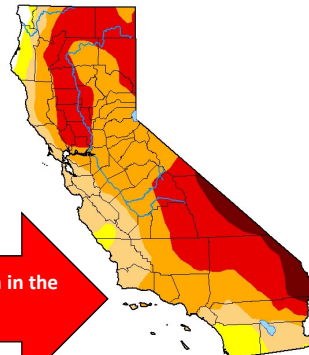
Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/about.aspx>.

Drought Conditions Strengthen in the 2020-21 "Wet Season"

droughtmonitor.unl.edu

U.S. Drought Monitor
California



April 13, 2021
(Released Thursday, Apr. 15, 2021)
Valid 8 a.m. EDT

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.78	99.22	94.14	76.97	38.68	5.36
Last Week	0.77	99.23	92.65	69.68	35.42	5.36
3 Month Ago	0.00	100.00	95.20	79.10	39.50	1.19
Start of Calendar Year	0.00	100.00	95.17	74.34	33.75	1.19
Start of Water Year	15.35	84.65	87.65	35.62	12.74	0.00
One Year Ago	41.80	58.20	25.70	12.83	0.00	0.00

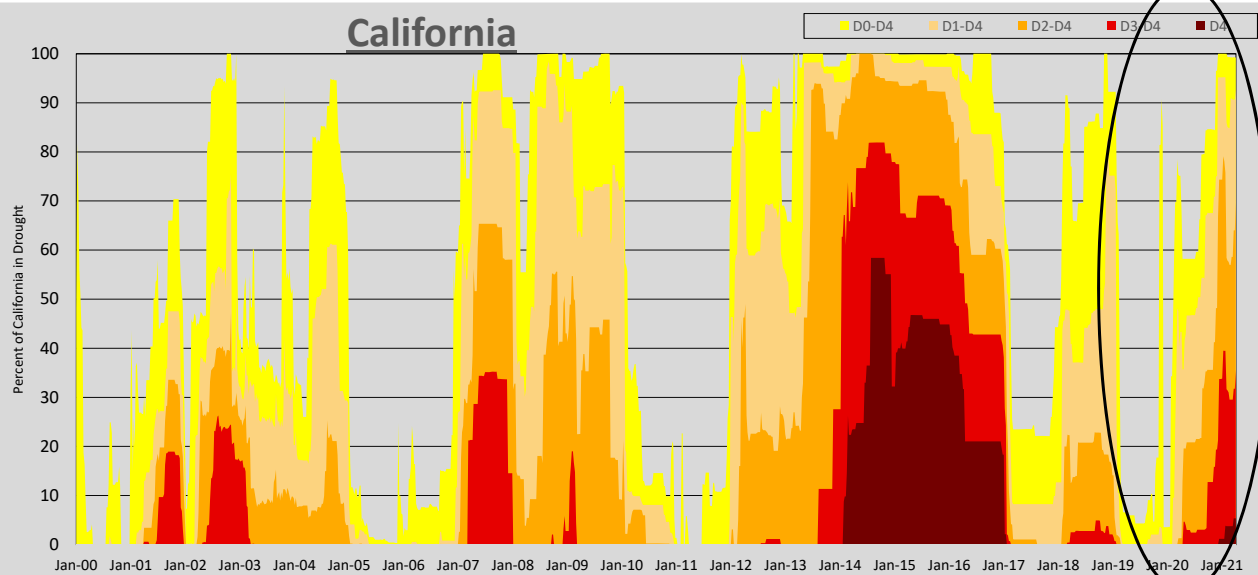
Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/about.aspx>.

Author:
Deborah Bathke
National Drought Mitigation Center

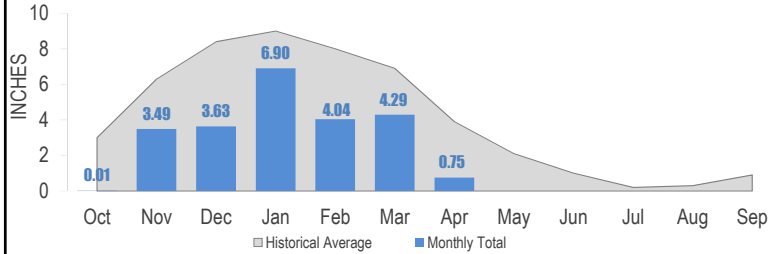
droughtmonitor.unl.edu

California Drought Monitor

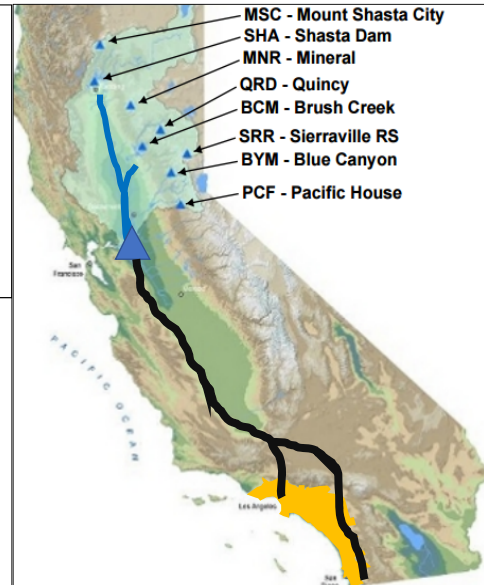
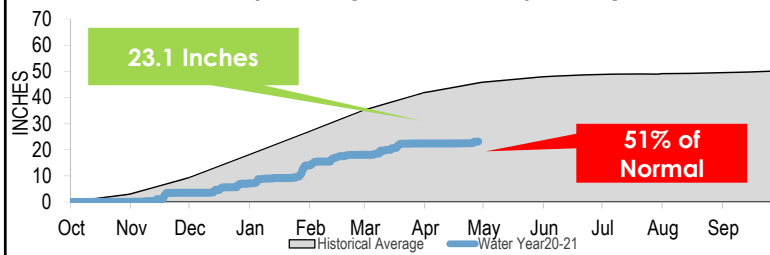


Northern California Accumulated Precipitation WY 2021

Monthly Precipitation (8 Station Precip Index)



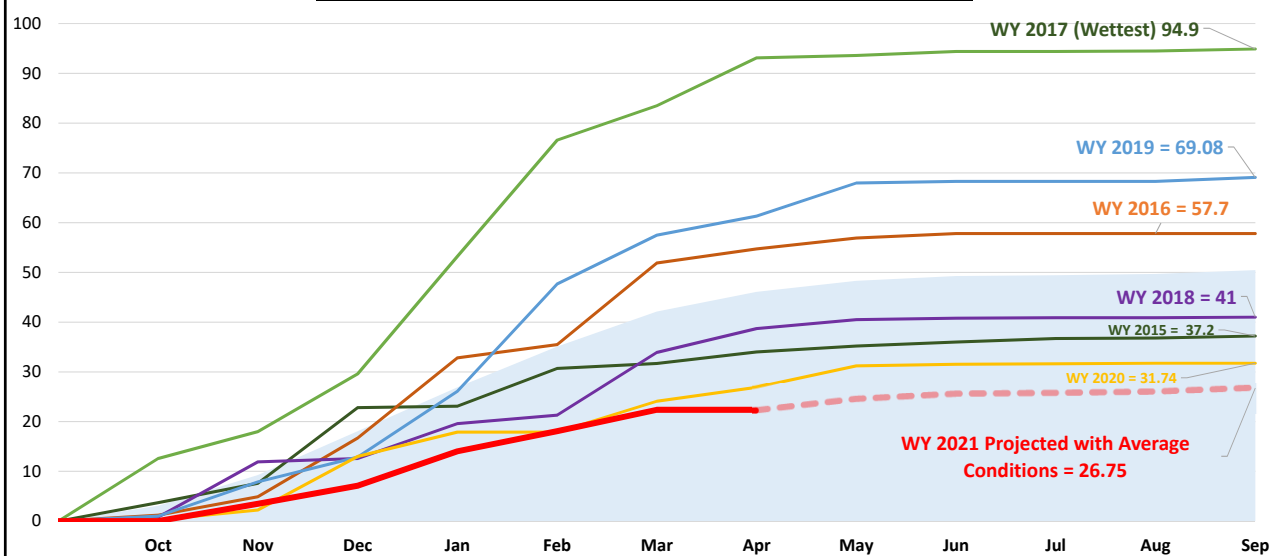
Accumulated Precipitation (8-Station Precip Index)

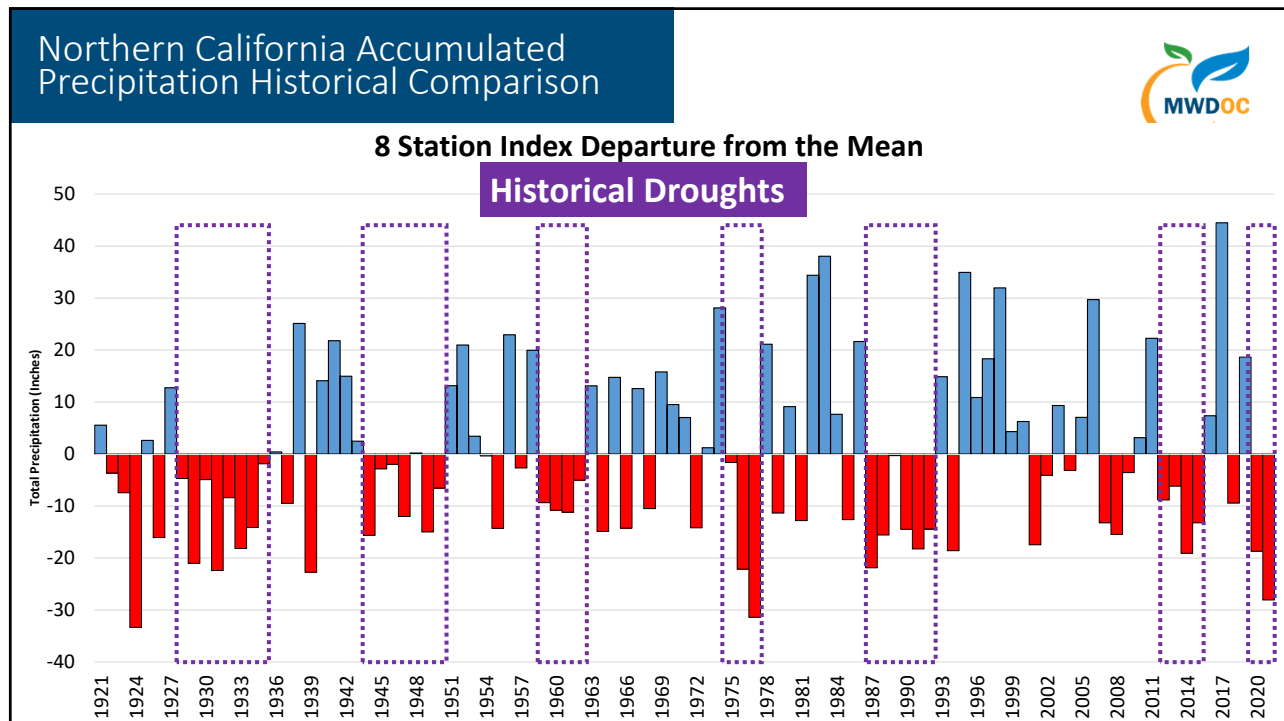
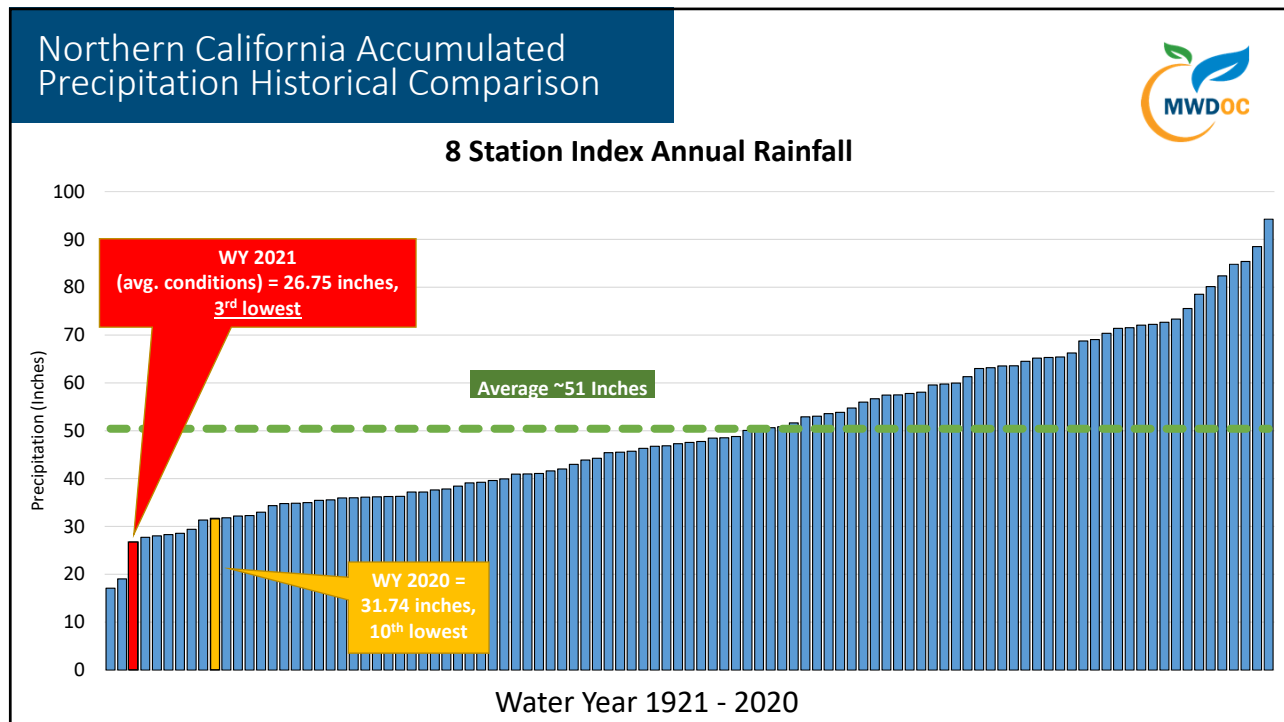


Northern California Accumulated Precipitation Historical Comparison



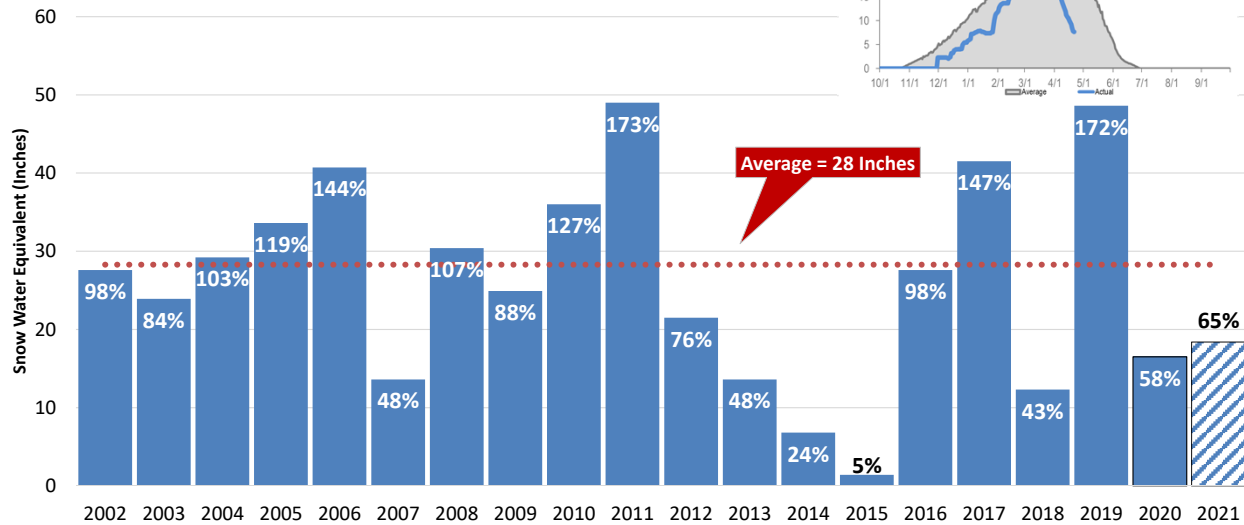
8 Station Index all Time Month by Month Cumulative Totals





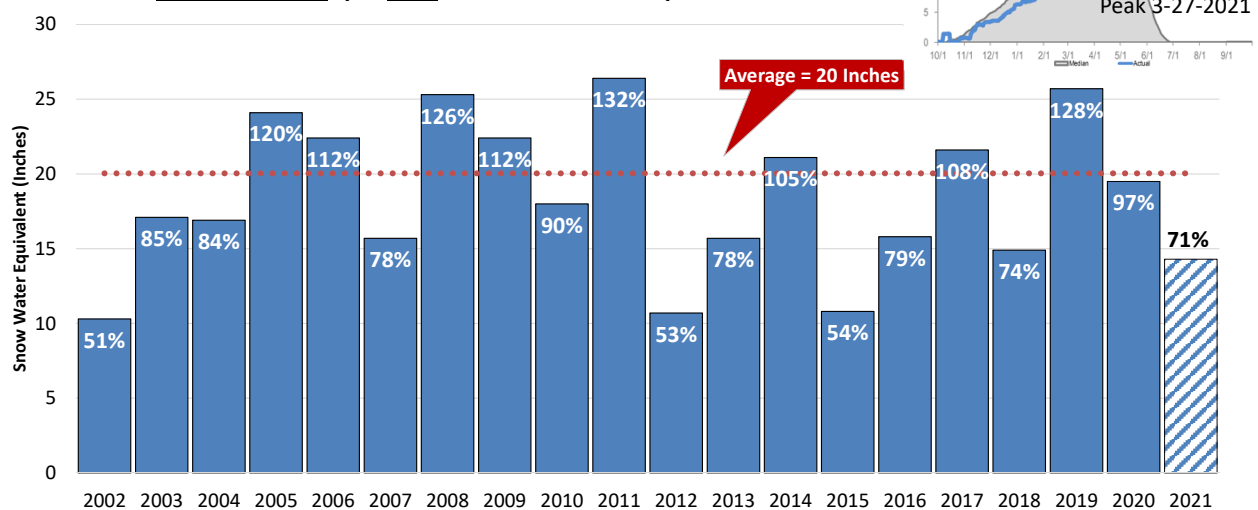
Snow Water Equivalent

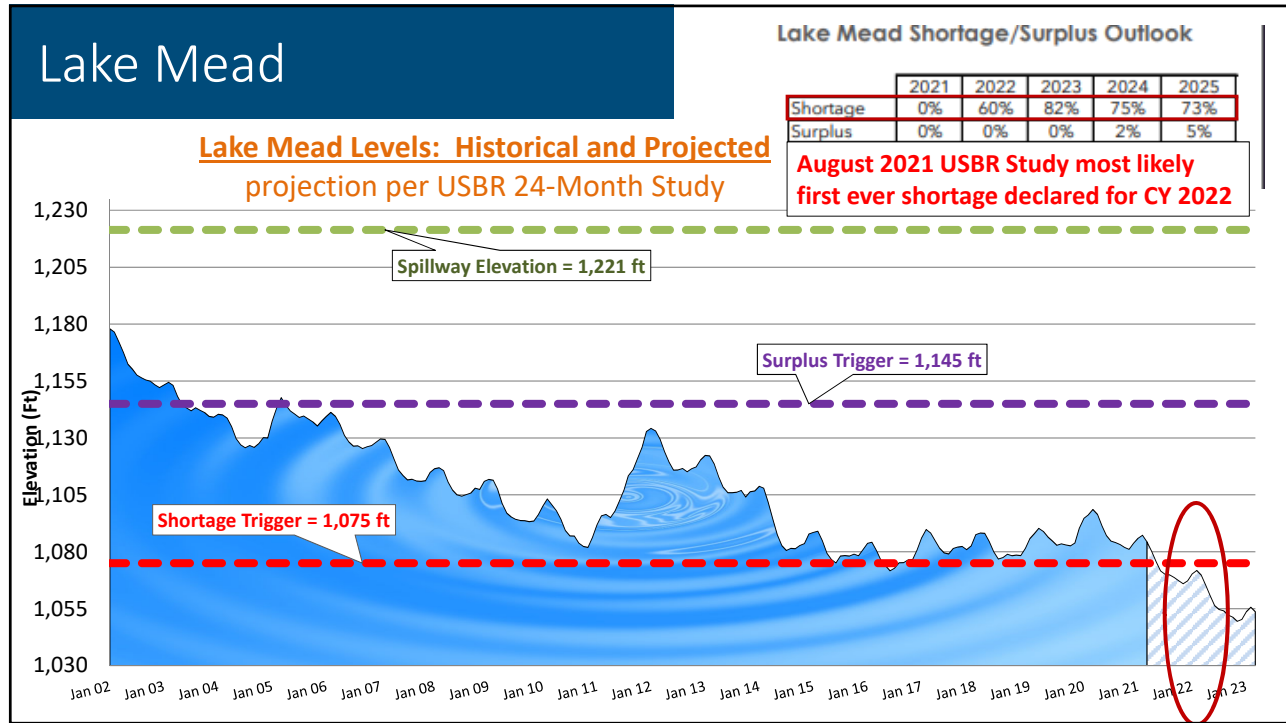
Historical Northern California April 1st Peak Snow Water Equivalent



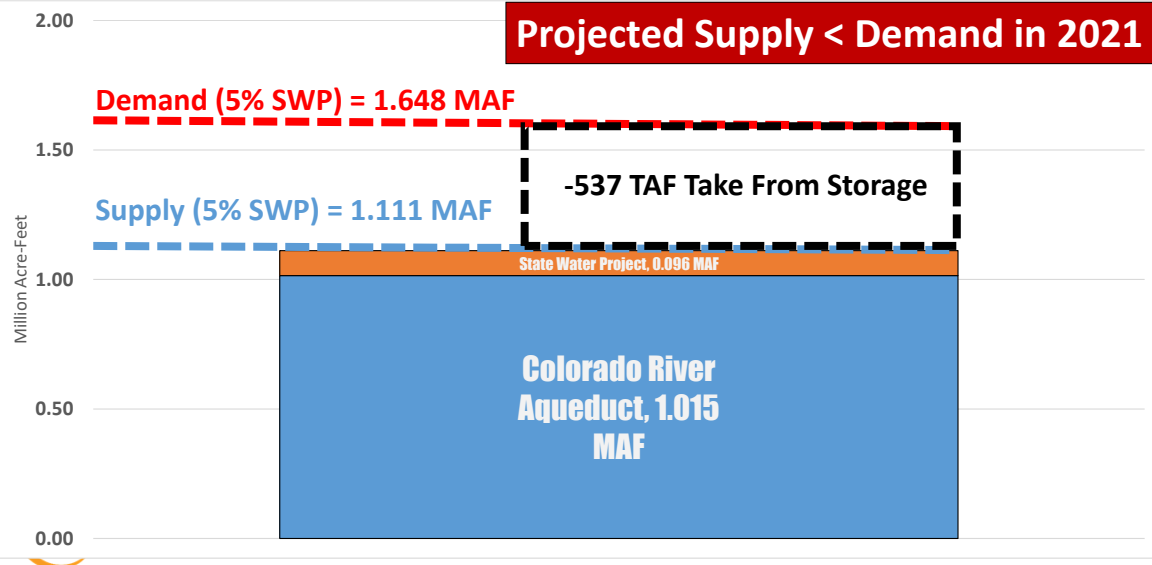
Snow Water Equivalent

Historical Colorado Basin April 15th Peak Snow Water Equivalent

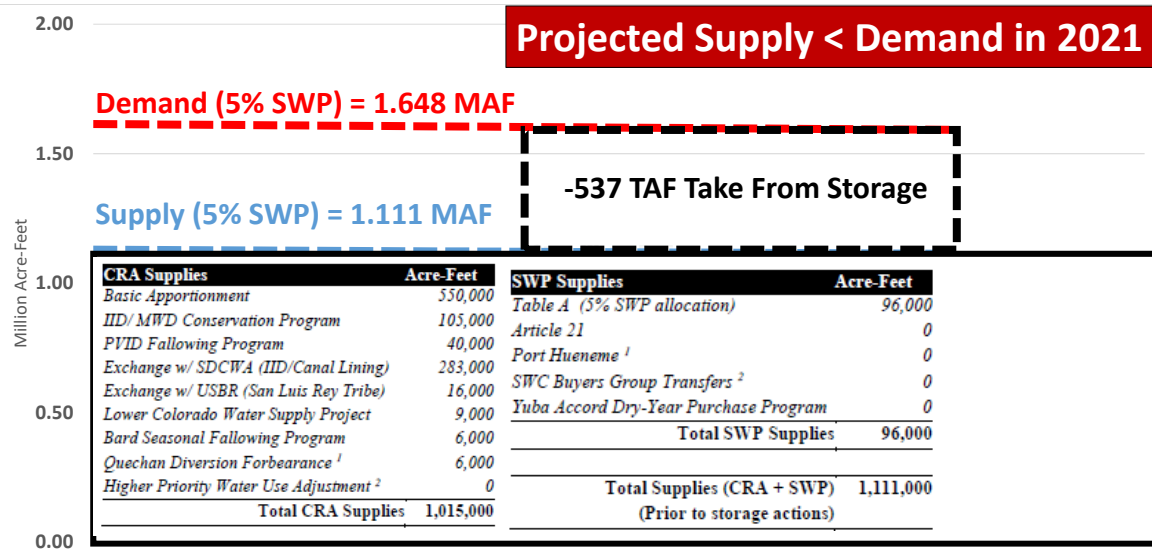




MWD 2021 Estimated Water Storage

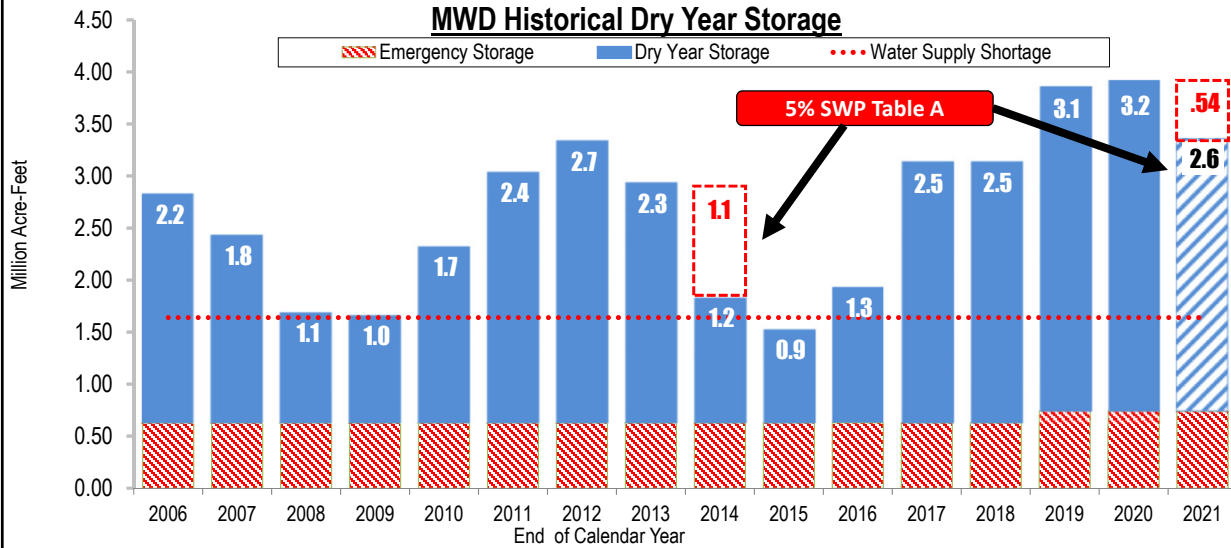


MWD 2021 Estimated Water Storage

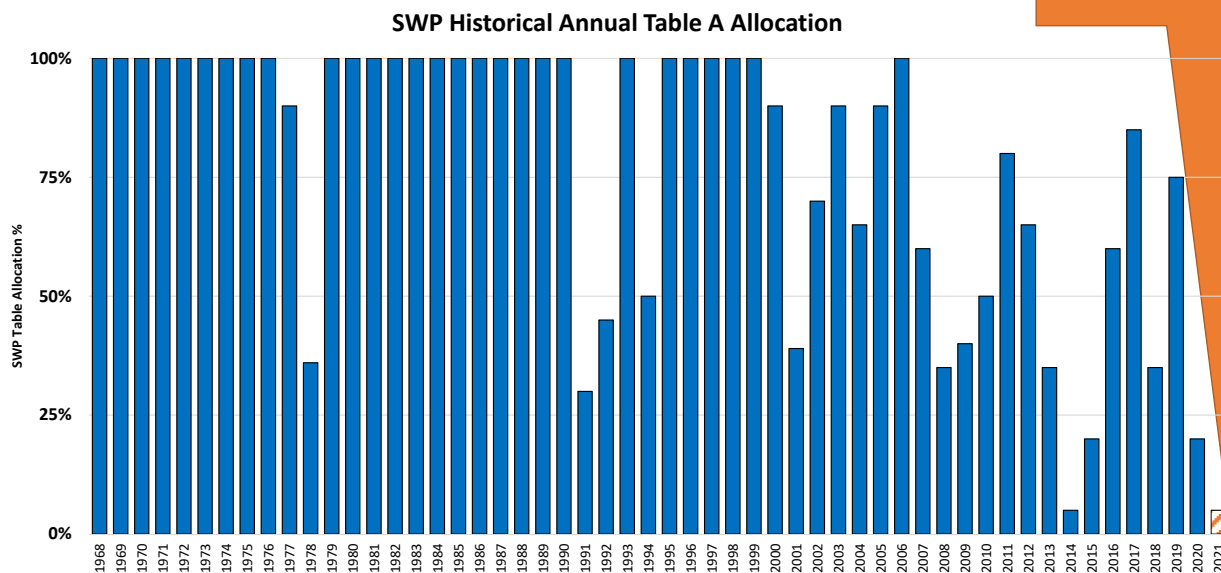


MWD 2021 Estimated Water Storage

0.43 MAF Not used compared to 2014



Historical SWP Table A %



MWD Water Supply Actions



MWD Actions

1. Withdrawing water from its dry-year storage reserves (e.g. Lake Mead ICS account, SWP Carryover storage, SWP Banking Programs, SWP Flexible storage accounts, in-region surface reservoirs).
2. Pursuing north of Delta transfers through the SWC Buyers Group and Yuba Accord.
3. Making adjustments to system operations to preserve SWP supplies and maximize use of Colorado River or stored supplies. These actions include planned pumping at Greg Avenue pump station, drafting water from Diamond Valley Lake to serve the Mills Water Treatment Plant, and shifting demand to service connections supplying Colorado River supplies.
4. Developing a dry-year water management program

