

I hereby certify that the following agenda was posted at least 72 hours prior to the time of the meeting so noticed below at 24251 Los Alisos Boulevard, Lake Forest, California.



DENNIS P. CAFFERTY, Secretary of the El Toro Water District and the Board of Directors thereof



AGENDA
EL TORO WATER DISTRICT
REGULAR MEETING OF THE
BOARD OF DIRECTORS

October 24, 2019

7:30 a.m.

CALL MEETING TO ORDER – President Vergara

PLEDGE OF ALLEGIANCE – President Vergara

ORAL COMMUNICATIONS/PUBLIC COMMENTS

Members of the public may address the Board at this time or they may reserve this opportunity with regard to an item on the agenda, until said item is discussed by the Board. Comments on other items will be heard at the time set aside for “COMMENTS REGARDING NON-AGENDA ITEMS.” The public will identify themselves when called on and limit their comments to three minutes.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize items which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present, or, if less than two-thirds of the Board members are present, a unanimous vote of those members present.)

PRESENTATION OF AWARDS, RECOGNITIONS AND INTRODUCTIONS

a. Service Awards

There are no acknowledgements.

b. Continuing Education & Training, Degree and Certification Program acknowledgement

There are no acknowledgements.

c. Special District/Employee Association/Community Award Acknowledgement and Employee Special Recognition

There are no acknowledgements.

CONSENT CALENDAR

(All matters under the Consent Calendar will be approved by one motion unless a Board member or a member of the public requests separate action or discussion on a specific item)

1. Approval of Minutes (Minutes Included)

- a. Consider approving the minutes of the September 26, 2019 Board meeting

APPROVAL OF ITEMS REMOVED FROM TODAY'S CONSENT CALENDAR

The Board will discuss items removed from today's Consent Calendar requiring further discussion.

Recommended Action: The Board will be requested to approve the items removed from today's Consent Calendar.

DIRECTOR/COMMITTEE REPORTING

2. Director Reports for Meetings Attended (Oral Report)

GENERAL MANAGER ACTION ITEMS

3. Resolution No. 19-10-1 Modifying Standing Committee and External Organization Board and Staff Assignments

(Reference Material Included)

Staff will review and comment on Resolution No. 19-10-1 modifying Standing Committee and External Organization Board and Staff Assignments for the balance of Calendar Year 2019, effective October 24, 2019.

Recommended Action: Staff recommends approval of Resolution No. 19-10-1 which modifies Standing Committee and External Organization Board and Staff Assignments for the balance of Calendar Year 2019.

RESOLUTION NO. 19-10-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
EL TORO WATER DISTRICT
MODIFYING STANDING AND EXTERNAL ORGANIZATION
BOARD AND STAFF ASSIGNMENTS FOR THE BALANCE OF 2019
EFFECTIVE OCTOBER 24, 2019

GENERAL MANAGER INFORMATION ITEMS

4. **General Manager's Monthly Report** (Report Included)
Staff will review and comment on the General Manager's Monthly Report.
5. **Legislative Reports** (Reference Materials Included)
Staff and General Counsel will review and comment on the Legislative reports.
6. **Public Education and Outreach & Water Conservation Reports** (Reference Material Included)
7. **SOCWA Reports** (Reference Material Included)
 - a. SOCWA Board Meeting – October 3, 2019
 - b. SOCWA Engineering Committee Meeting – October 10, 2019
8. **Municipal Water District Of Orange County (MWDOC) Report** (Reference Material Included)
 - a. MWDOC/MET Directors Workshop – October 2, 2019
 - b. MWDOC Administration & Finance Committee – October 9, 2019
 - c. MWDOC Planning/Operations Committee – October 14, 2019
 - d. MWDOC Board Meeting – October 16, 2019
 - e. MWDOC Managers Meeting – October 17, 2019
 - f. MWDOC Public Affairs & Legislation Committee – October 21, 2019
9. **Local Agency Formation Commission (LAFCO) Report**
 - a. Report on the October 9, 2019 meeting.

10. South Orange County Watershed Management Area (SOCWMA) Management and/or Executive Committee Report

- a. The October 7, 2019 SOCWMA Management Committee meeting was canceled.

11. ISDOC Meetings (Reference Material Included)

- a. Report on the October 1, 2019 ISDOC Executive Committee Meeting

12. WACO Meetings (Reference Material Included)

- a. Report on the October 4, 2019 WACO Meeting
- b. Report on the October 15, 2019 WACO Planning Committee meeting

13. City Coordination Efforts

There was no meeting.

COMMITTEE AND GENERAL INFORMATION

14. Dates to Remember for October/November 2019 (Reference Material Included)

15. Carry-Over Pending Matters

COMMENTS REGARDING NON-AGENDA ITEMS

ATTORNEY REPORT

CLOSED SESSION

At this time the Board will go into Closed Session as follows:

- 1. At this time the Board will go into Closed Session pursuant to Government Code Section 54956.9 (d) (2) to consult with legal counsel and staff – Potential Litigation (two matters).

REGULAR SESSION

REPORT ON CLOSED SESSION (Legal Counsel)

Mr. Granito will provide an oral report on the Closed Session.

ADJOURNMENT

Recommended Action: The Board will be requested to take action adjourning today's Board meeting to **Tuesday, November 26, 2019 at 7:30 a.m.** at the El Toro Water District, 24251 Los Alisos Boulevard, Lake Forest, California.

The agenda material for this meeting is available to the public at the District's Administrative Office, which is located at 24251 Los Alisos Blvd., Lake Forest, Ca. 92630. If any additional material related to an open session agenda item is distributed to all or a majority of the board of directors after this agenda is posted, such material will be made available for immediate public inspection at the same location.

Request for Disability-Related Modifications or Accommodations

If you require any disability-related accommodation, including auxiliary aids or services, in order to participate in this public meeting, please telephone the District's Recording Secretary, Polly Welsch at (949) 837-7050, extension 225 at least forty-eight (48) hours prior to said meeting. If you prefer, your request may be submitted in writing to El Toro Water District, P.O. Box 4000, Laguna Hills, California 92654, Attention: Polly Welsch.

MINUTES OF THE REGULAR MEETING
OF THE
BOARD OF DIRECTORS
OF THE
EL TORO WATER DISTRICT
September 26, 2019

President Vergara called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 o'clock a.m. on September 26, 2019 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

Vice President Monin led in the Pledge of Allegiance to the flag.

Present at today's meeting were Committee Members JOSE F. VERGARA, MARK MONIN, KATHRYN FRESHLEY, MIKE GASKINS, and KAY HAVENS.

Also present were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, NEELY SHAHBAKHTI, Finance Manager/Controller, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, GILBERT J. GRANITO, General Counsel, BOB HAZZARD, Employee, ROMAN KOCIBAN, Employee, and POLLY WELSCH, Recording Secretary.

Oral Communications - Public Comments

President Vergara stated that at this time members of the public may address the Board or they may reserve this opportunity with regards to an item on the agenda, until the Board discusses said item later in today's meeting.

There were no comments.

Items Received Too Late To Be Agendized

President Vergara asked if there are any items received too late to be agendized. Mr. Cafferty replied no.

Presentation of Awards, Recognitions and Introductions

- a. Mr. Cafferty recognized and congratulated Robert Hazzard, Customer Service Field Representative III, for 30 years of service with the District
- b. Mr. Cafferty recognized and congratulated Roman Kociban, Crew Chief, for 5 years of service with the District.

At approximately 7:45 o'clock a.m. Mr. Hazzard and Mr. Kociban left the meeting.

Consent Calendar

All matters under the Consent Calendar will be approved by one motion unless a Board member or a member of the public requests separate action or discussion on a specific item.

1. Consider approving the August 22, 2019 Board meeting minutes.

President Vergara asked for a Motion.

Motion: Director Freshley made a Motion, seconded by Vice President Monin, and unanimously carried across the Board to approve the Consent Calendar.

Roll Call Vote:

Director Gaskins	aye
Vice President Monin	aye
President Vergara	aye
Director Havens	aye
Director Freshley	aye

Director/Committee Reporting

Director Freshley stated that she attended the MWDOC/MET Directors workshop, the WACO meeting, the MWDOC Board meeting, and will be on TV-6.

Director Havens stated that she attended the MWDOC Public Affairs meeting, the WACO meeting, the University of California Landscape and Irrigation meeting, Governance Training, and plans to attend the UCANR Expo on Saturday.

Vice President Monin stated that he attended the MWDOC Admin/Finance meeting, WACO Planning Committee meeting, ACWA Investment Committee meeting where CalTrust did a presentation, ISDOC Executive Committee meeting, Laguna Woods City Council meeting, ACWA Education sub-Committee, ACWA Budget Committee, ACWA Finance Committee, and the CSDA conference.

Director Gaskins stated that he attended the SOCWA Board meeting, WACO, SMWD Board meeting, MWDOC Public Affairs, and the MWDOC Board meeting.

President Vergara stated that he attended the MWDOC/MET Directors workshop, a meeting with Third Mutual, the SMWD Board meeting, MWDOC Water Quality meeting, WACO, Chair/GM meeting, and he plans to attend the UCANR Expo on Saturday.

General Manager Action Items

Resolution No. 19-9-1 Amending Policy Statement 1985-5 (IV) Travel and Expense Reimbursement Policy

Mr. Cafferty stated that included in the package is a 1-page summary of the amendments to the policy. He further stated that the original intent was that if a Board member's expenses exceed their budget, they would not be reimbursed for the overage.

President Vergara asked for a Motion.

Motion: Director Freshley made a Motion, seconded by Director Gaskins, and unanimously carried across the Board to adopt Resolution No. 19-9-1 which amends the Policy Statement 1985-5 (IV) Travel and Expense Reimbursement Policy.

Roll Call Vote:

Director Freshley	aye
Director Havens	aye
President Vergara	aye
Vice President Monin	aye
Director Gaskins	aye

General Manager Information Items

General Manager's Monthly Report

Mr. Cafferty stated that he and President Vergara met with 3 representatives from Third Mutual a few weeks ago regarding their concerns on the recycled water system, water quality issues, and complaints from residents.

Vice President Monin stated that the Customer Service Activity report is looking good, and asked what the line item "Customer's Prior to Shut off per Billing"? Ms. Shahbakhti replied that line item is customer's reacting to non-payment and staff trying to collect the money.

Mr. Cafferty stated that at the SOCWA General Managers workshop, they are engaging in a series of workshops for the member agencies and several topics have been discussed with no decisions made yet. He further stated that SOCWA's Administrative costs were one of the items discussed.

Legislative Reports

Director Gaskins stated that at the MWDOC Public Affairs meeting, the Doheny Desal plant was mentioned as being in the approval process for their budget. Mr. Cafferty stated that he discussed with South Coast Water District staff to present an update on Doheny Desal project to our Board at a future meeting.

Public Education and Outreach/Water Conservation Reports

Ms. Seitz stated that there were two water waste complaints for the month of August for excessive irrigation and runoff.

Ms. Seitz stated that on Saturday, September 28th staff will host a booth and distribute water at the UC ANR Urban Living Education Expo in Irvine.

Ms. Seitz stated that staff will host a booth and distribute water at the South County Disaster Expo on October 19th.

Ms. Seitz stated that ETWD is partnering with local cities and water agencies to put on the H2O for HOA's educational and networking event for HOA Board members, property managers, and professional landscapers on October 29th.

Ms. Seitz stated that ETWD will host the MWDOC and Girl Scouts of Orange County Winter Resources and Conservation Patch Program at the WRP on January 11th.

At approximately 8:43 o'clock a.m. Ms. Seitz left the meeting.

SOCWA Reports

There were no comments.

MWDOC

Vice President Monin stated that at the MWDOC/MET workshop they discussed the Delta Conveyance, a presentation on the Governor's Resiliency program, and the Delta Stewardship Council meeting.

Vice President Monin stated that at the MWDOC Admin/Finance meeting they discussed internal policies, the personnel manual, and the choice program budget.

Director Gaskins stated that at the MWDOC Public Relations meeting they discussed the Doheny Desal project.

President Vergara stated that he attended the MWDOC Board meeting.

LAFCO

Mr. Cafferty stated that LAFCO has kicked off their MSR process and the detailed survey is included in the Board package.

SOCWMA

There were no comments.

ISDOC Meetings

Vice President Monin stated that Supervisor Lisa Bartlett will be speaking at the October 24th quarterly luncheon and will be discussing county-wide issues.

Vice President Monin stated that at the CSDA conference he attended CalPers provided a presentation, and he suggested that we ask them to provide a presentation to our Board. He further stated that he also met with CalTrust staff.

WACO Meetings

President Vergara stated that they added a new member, Ducks Unlimited which protects the environment where ducks live.

Vice President Monin stated that the Governors Resiliency Plan will be discussed in January. He further stated that other topics included Women in Water, Delta Tunnel, Future of Power, Challenges of Wholesalers, Fluoride, Homeless Impacts on Water, and Water an International View.

Vice President Monin stated that at the WACO meeting they discussed PFAS and what's happening now.

City Coordination Efforts

There were no comments.

Committee and General Information

Director Havens stated that she will be attending the State Water Tour on November 4-6th.

Dates to Remember

There were no comments.

Carry-Over Pending Matters

There were no pending matters.

Attorney Report

Mr. Granito reported that there is a need for a Closed Session today to discuss item #2 of today's Closed Session agenda.

Closed Session

At approximately 9:05 o'clock a.m. the Board went into Closed Session. Also at this time, Ms. Shahbakhti, Ms. Cimorell, and Ms. Welsch left the meeting.

Open Session Report

At approximately 9:19 o'clock a.m. the Regular Session resumed, and Ms. Welsch returned to the meeting.

Mr. Granito reported that the Board did go into Closed Session with regard to item #2 of today's Closed Session agenda.

Mr. Granito reported that during the Closed Session the District's Representative to SOCWA (Director Freshley) led a discussion as authorized by

Government Code Section 54956.96 concerning information she obtained in a Closed Session of SOCWA.

No further reportable action was taken.

Adjournment

There being no further business to come before the Board, the following motion was duly made and passed.

Motion: Director Havens moved, seconded by Director Gaskins and unanimously carried that today's meeting be hereby adjourned at 9:20 o'clock a.m. to Thursday, October 24, 2019 at 7:30 o'clock a.m. at the District's Administrative Offices, 24251 Los Alisos Blvd., Lake Forest, California.

Roll Call Vote:

Director Gaskins	aye
Vice President Monin	aye (via teleconference)
Director Havens	aye
President Vergara	aye
Director Freshley	aye

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

JOSE F. VERGARA, President of
the El Toro Water District and the
Board of Directors thereof

DENNIS P. CAFFERTY, Secretary
of the El Toro Water District and
the Board of Directors thereof

RESOLUTION NO. 19-10-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
EL TORO WATER DISTRICT
MODIFYING STANDING AND EXTERNAL
ORGANIZATION BOARD AND STAFF ASSIGNMENTS
FOR THE BALANCE OF 2019
EFFECTIVE OCTOBER 24, 2019

WHEREAS, the Board of Directors of the EL TORO WATER DISTRICT deems it to be in the best interest of the District to modify the President's appointment of Board and Staff to Standing and External Organization assignments; and

WHEREAS, said list of appointments is attached hereto marked Exhibit "A," and made part of this Resolution.

NOW, THEREFORE, IT IS HEREBY RESOLVED that the Board of Directors of the EL TORO WATER DISTRICT hereby confirms the adding of Board/Staff to Standing Committee and External Organization assignments as listed in Exhibit "A".

ADOPTED, SIGNED AND APPROVED this 24th day of October 2019.

JOSE F. VERGARA, President
El Toro Water District and the
Board of Directors thereof

(SEAL)

ATTEST:

DENNIS P. CAFFERTY, Secretary
El Toro Water District and the
Board of Directors thereof

**BOARD/STAFF MEMBER ORGANIZATIONAL AND STANDING COMMITTEE ASSIGNMENTS – 2019
(October 2019)**

<u>ORGANIZATION</u>	<u>REPRESENTATIVE</u>	<u>ALTERNATE</u>	<u>FREQUENCY</u>
WACO Planning	Monin	Vergara	Monthly
WateReuse	Vergara	Havens	Bi-Monthly
SOCWA Board	Freshley	Gaskins	Monthly
SOCWA Finance	Cafferty	Freshley	Monthly
ISDOC	Monin	Gaskins	Monthly
LAFCO	Freshley	Gaskins	As Required
JPIA	Freshley	Gaskins	Semi-Annual
MWDOC Board	Vergara	Monin	Monthly
MWDOC Finance	Monin	Vergara	Monthly
MWDOC Public Affairs	Gaskins	Havens	Monthly
MWDOC Plan & Ops	Freshley	Vergara	Monthly
SAC	Freshley	Gaskins	Semi-Annual
South Co. Watershed Exec	Havens	Freshley	As Required
South OC Water Agencies Grp	Vergara	Monin	Bi-Monthly
Lake Forest Chamber of Commerce	Vergara	Monin	As Required
<u>ETWD COMMITTEE</u>	<u>CHAIRMAN</u>	<u>ALTERNATE</u>	<u>FREQUENCY</u>
Agenda Review	Vergara	Monin	Monthly
Engineering	Freshley	Vergara	Monthly (Full Board)
Finance/Insurance Committee (FIC)	Monin	Freshley	Monthly (Full Board)
Community Advisory Group (CAG)	Gaskins	Havens	Quarterly
Regional Reclamation Committee (RRC)	Freshley	Gaskins	Monthly
Computer Technology	Freshley	Gaskins	Annual/As Required
Audit Committee	Monin	Freshley	Annual/As Required
Budget Committee	Freshley	Monin	Annual/As Required
HR Committee	Gaskins	Monin	Annual/As Required
WQ Committee	Vergara	Havens	Annual/As Required

DIRECTORS WILL NOT BE COMPENSATED FOR ATTENDING MEETINGS NOT LISTED UNLESS AUTHORIZED BY THE BOARD PRESIDENT, WITH THE EXCEPTION OF OCWA, WACO, CAG, ISDOC Quarterly Luncheon, MWDOC Quarterly Policy Forum events, MWDOC/Met Directors, MWDOC Elected Officials Forum, So Cal Water Committee, South Orange County Economic Coalition, City Council meetings in the 5 cities served by the District, Supervisor/Congressmen meetings in the areas served by the District.

GENERAL MANAGER'S REPORT

October 2019

I. OFFICE OF THE GENERAL MANAGER

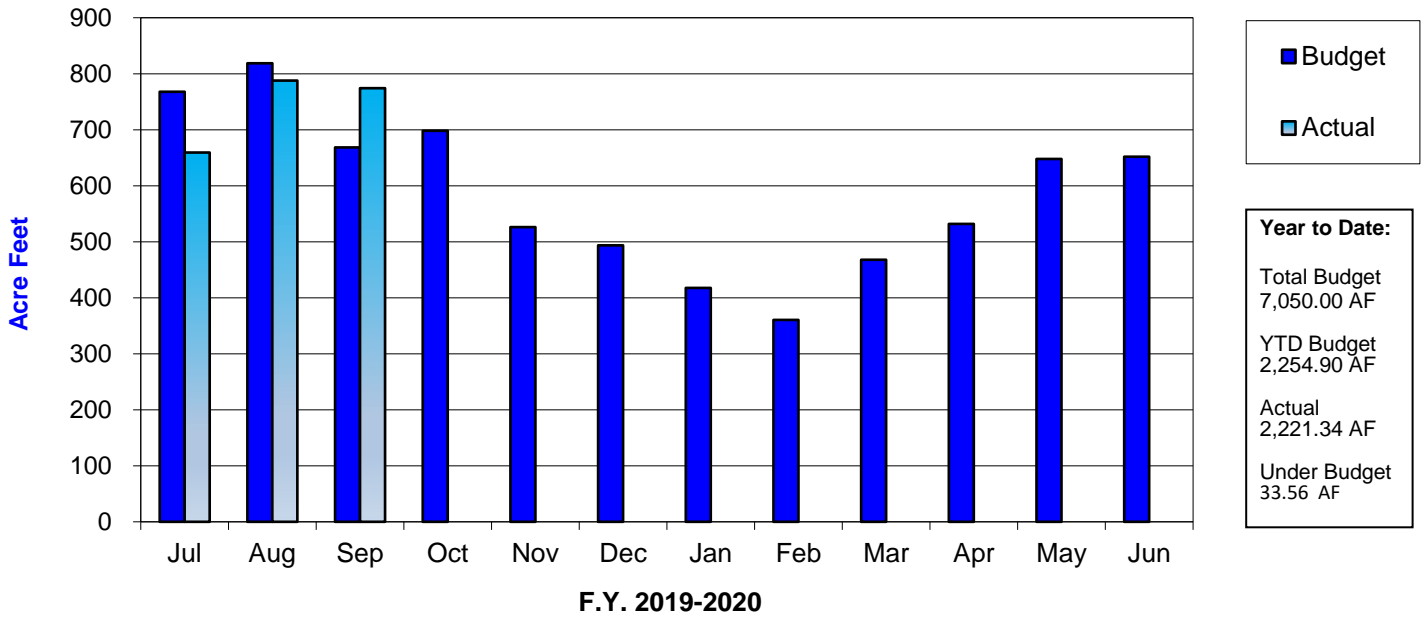
- Attended South Orange County Agencies Meeting
- Attended RRC Meeting
- Attended Meeting with SOCWA Director of Engineering
- Attended Meeting with Mesa Water District and East Orange County Water District Representatives Regarding OC LAFCO
- Attended Meeting with MNWD General Manager
- Attended Employee Meeting and Addressed Staff on Pertinent District Issues
- Attended Kickoff Meeting with Filter Plant Site Plan Consultant
- Attended Kickoff Meeting with R-6 Reservoir Cover Assessment Consultant
- Attended Agenda Review Meeting
- Attended Meeting Orange County Recycled Water Agencies Meeting
- Attended Meeting with MNWD/ETWD Board Officers & General Managers
- Attended MWDOC Agencies Managers Meeting
- Attended SCOWA Task Force Meeting
- Attended Chair/GM Meeting

II. DOMESTIC AND RECYCLED WATER SALES

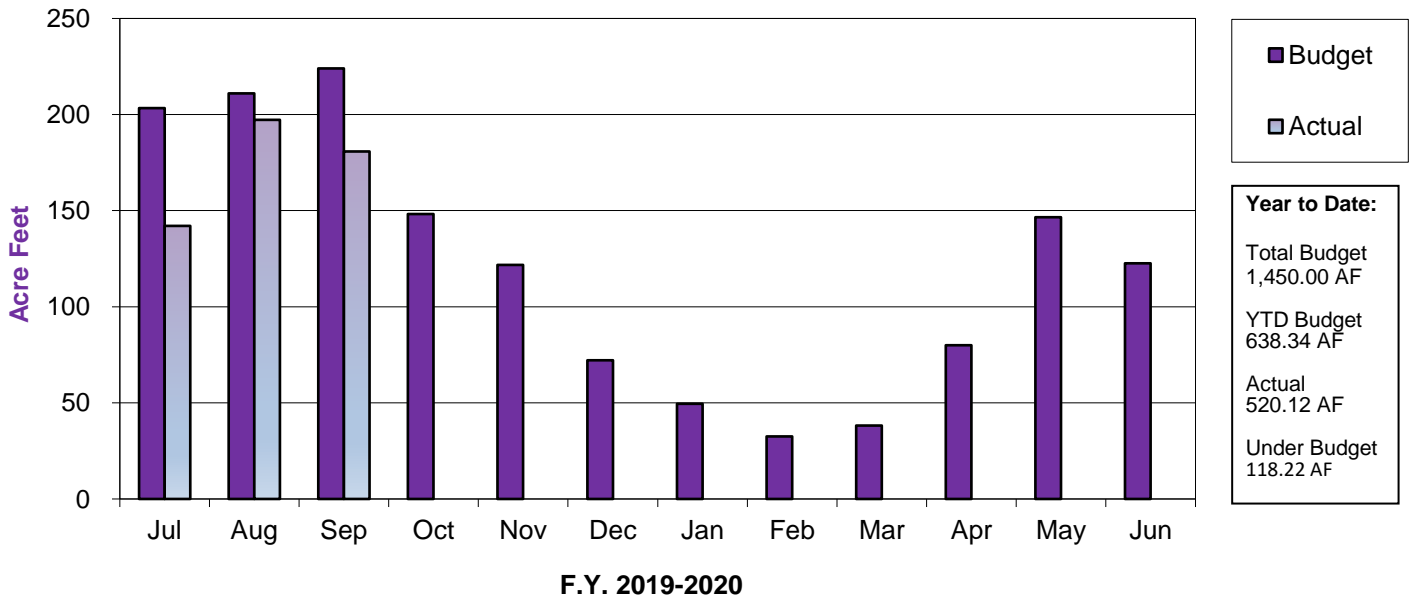
Actual domestic sales for the year-to-date as of September 30, 2019 are 2,221.34 acre-feet. This compares to year-to-date budgeted domestic sales of 2,254.90 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 33.56 acre-feet. Actual sales are 137.71 acre-feet lower than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of September 30, 2019 are 520.12 acre-feet. This compares to year-to-date budgeted recycled sales of 638.34 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 118.22 acre-feet. Actual sales are 64.49 acre-feet lower than last year-to-date actual sales for the same period.

POTABLE WATER SALES



RECYCLED WATER SALES

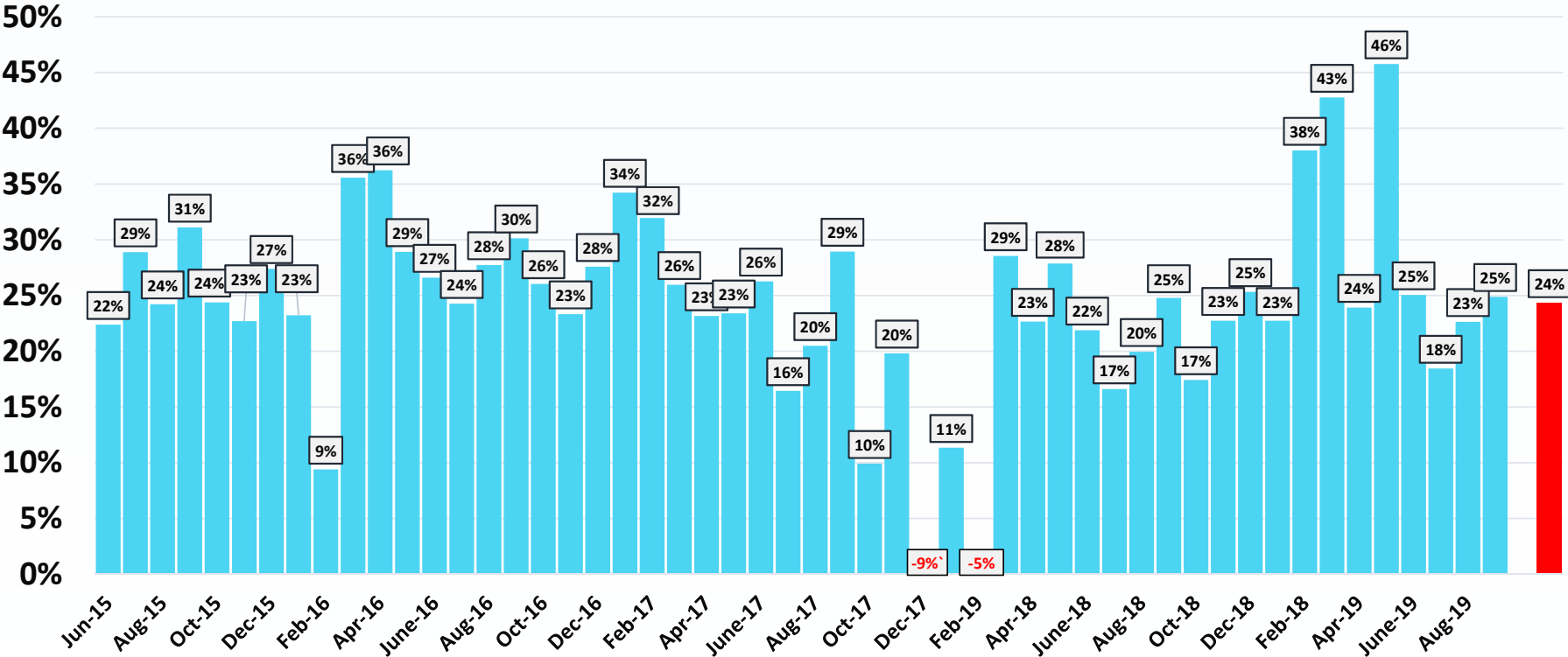


Customer Service Activity Report

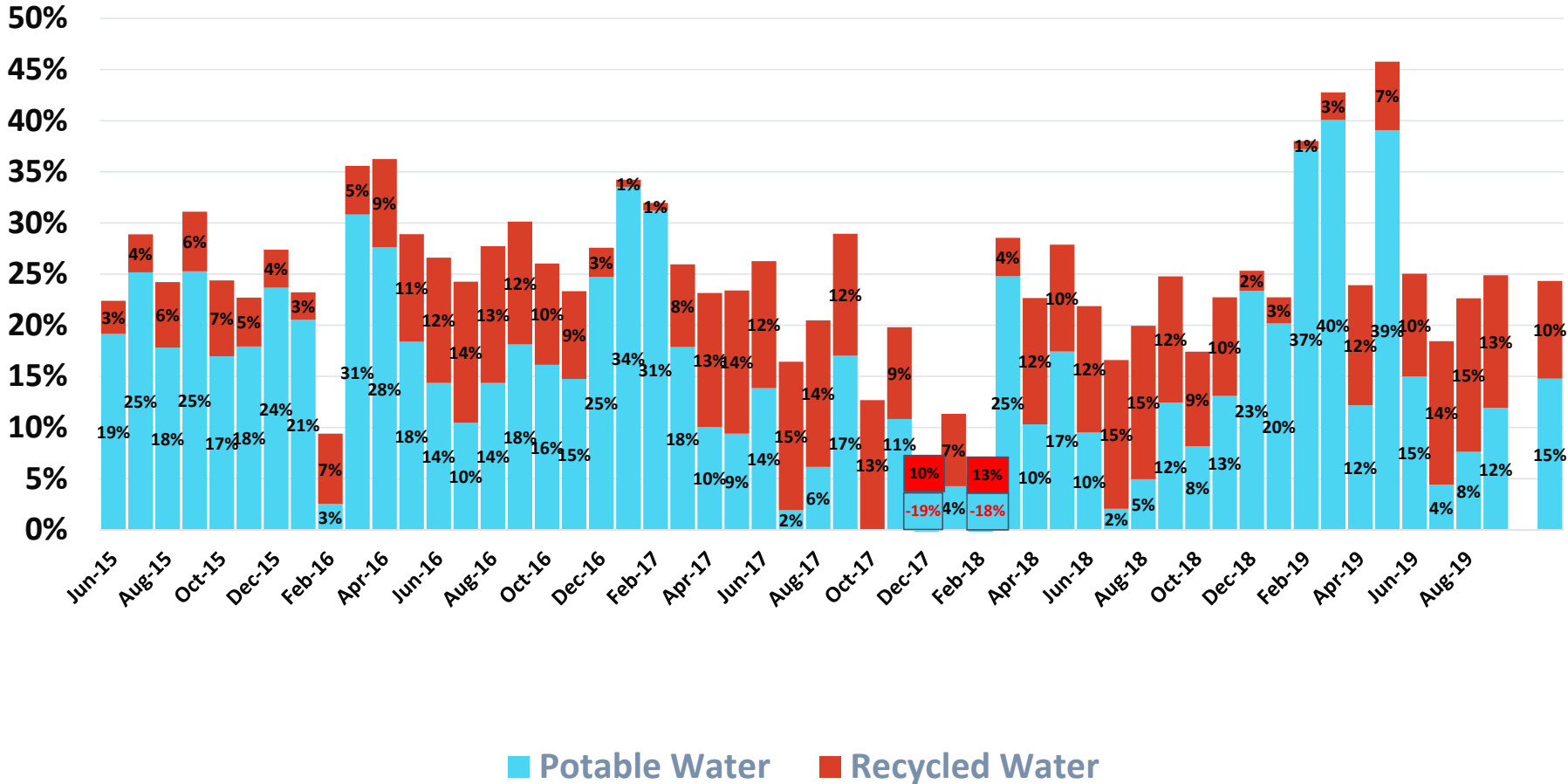
SEPTEMBER 2019

Regular Service Calls	SEPT 2019	SEPT 2018	Telephone Calls	SEPT 2019	SEPT 2018
Serviceman Dispatched to Read, Connect/Disconnect Service	72	57	Change of Service: Connections and Disconnections	85	89
Field Investigations:			Billing / Payments & Graph Inquires	228	312
Check for leaks - calls to CS Office:(irrigation,meter,street leaks)			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	56	78
Customer Responsible	26	23	Variance / Waiver Inquiries	38	44
District Responsible	11	7	Variance / Waiver Requests Processed	12	14
None found/other	20	9	Ordinance Infraction / Water Waste Complaints	0	5
High Reads Checked - High Consumption (Billing Dept.)	39	6			
Cust Leaks: _16_ No Leaks: _23_					
Check Stopped Slowed Meters-Low Consumption (Billing)	1	1	Outside Utility Districts	73	50
Re-Check Read	7	5	Phone calls Transfer to other Departments within ETWD	104	112
Ordinance Infraction	1	3	Phone calls for the Board of Directors	0	2
Recycled Water	0	0	Recycled Water	0	0
Water Quality: Taste / Odor / Color	0	1	Water Quality Taste - Odor - Color	1	1
Phone response: ___ Field response: ___			Leaks / Breaks	20	26
Flooding (Hydrant) Meters issued	2	2	Flooding Meter calls (Hydrant)	4	3
Sewer - Odor/Stoppage/ Manhole Covers	5	7	Sewer Problems (odor / spills)	5	6
Meter Box: Lids / Covers Replaced	24	15			
Meter Box Clean, Digout	18	8	Backflow / Cross Connection (questions or yearly testing forms)	2	5
Raised Meter Box	1	1	ETWD facilities inquiries: Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	8	2
Trim Bushes / Meter Obstruction	38	17			
General Maintenance Response	3	2	Tyco (ADT) Calls (Alarms to ETWD facilities)	0	1
Fire Hydrants: Hit / Leaks / Caps	0	0	ATT Calls (access to tower sites)	1	0
Pressure(psi) Checks / Reads	5	3	SCE Calls (access to tower sites)	0	1
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	11	13	Pager Calls specifically for Pump Stations - SCADA	0	0
AMS angle-meter-stop replace/repair	2	0			
Bees Removed	4	1	Payment Extensions	32	79
Backflow / Cross Connection	4	1	Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)	46	39
Fogged Registers	11	11	Return Calls from customers left on our voice mail system. Ext 500	12	31
OMCOP: Old Meter Change - Out Program	4	5	Email Correspondence:	57	55
Other: (uncommon non-maintenance calls)	7	4	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	0	2
On-Call After Hrs. CS Response	34	20	Misc. (other: employment, deliveries, sales calls)	26	43
# 48/24 Hr. Door Hangers Hung	125	178			
# Locked Off For Non-Pay (Disconnect)	11	14			
Removed Meter	3	0			
New Meter	8	0			
Unread Meters	43	28			
Total Field Investigations	540	442	Total Telephone Calls	810	1000
Uncollectible Accounts:			Credit Card Payments	SEPT 2019	SEPT 2018
Budget YTD	\$ 5,000.00	\$ 5,000.00	REGULAR	771	\$80,900.32
Actual YTD	\$ 1,789.00	\$ (114.00)	DISCONNECTS	628	\$70,774.44

ETWD WATER SAVINGS COMPARED TO 2013



ETWD WATER SAVINGS COMPARED TO 2013



(WRP) Tertiary Treatment Plant

Sept.19

Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.406	1.355	0.098	1.859
Total Q MG	12.172	40.661	2.948	55.781
Total Acre Feet	37.354	124.784	9.047	171.185

*717,200 Gallons of Potable Water Was Used to Supplement the Recycled Water Total Production.

MICROBIOLOGICAL MONITORING

SEPTEMBER 2019

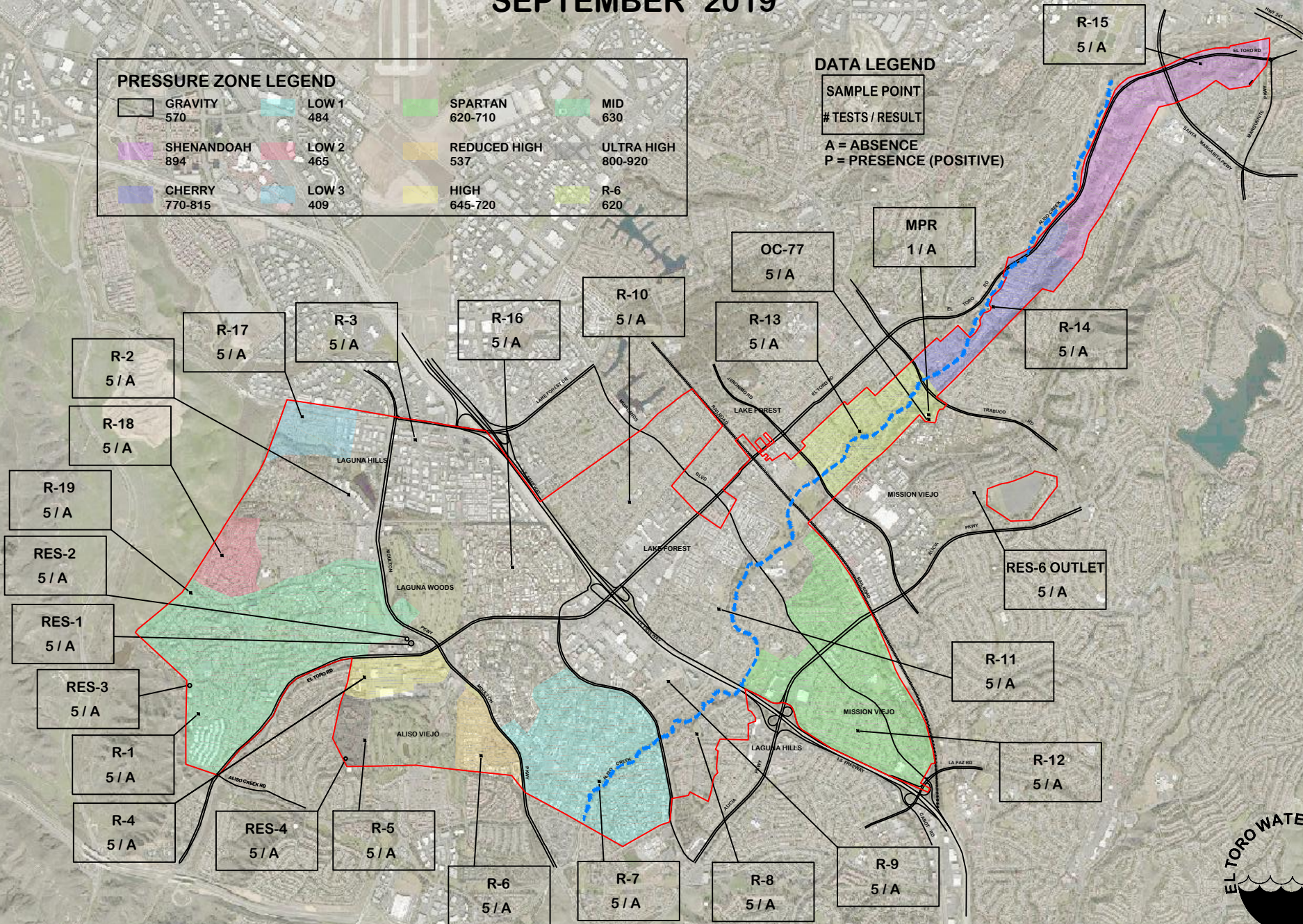
PRESSURE ZONE LEGEND

GRAVITY 570	LOW 1 484	SPARTAN 620-710	MID 630
SHENANDOAH 894	LOW 2 465	REDUCED HIGH 537	ULTRA HIGH 800-920
CHERRY 770-815	LOW 3 409	HIGH 645-720	R-6 620

DATA LEGEND

SAMPLE POINT
TESTS / RESULT

A = ABSENCE
P = PRESENCE (POSITIVE)

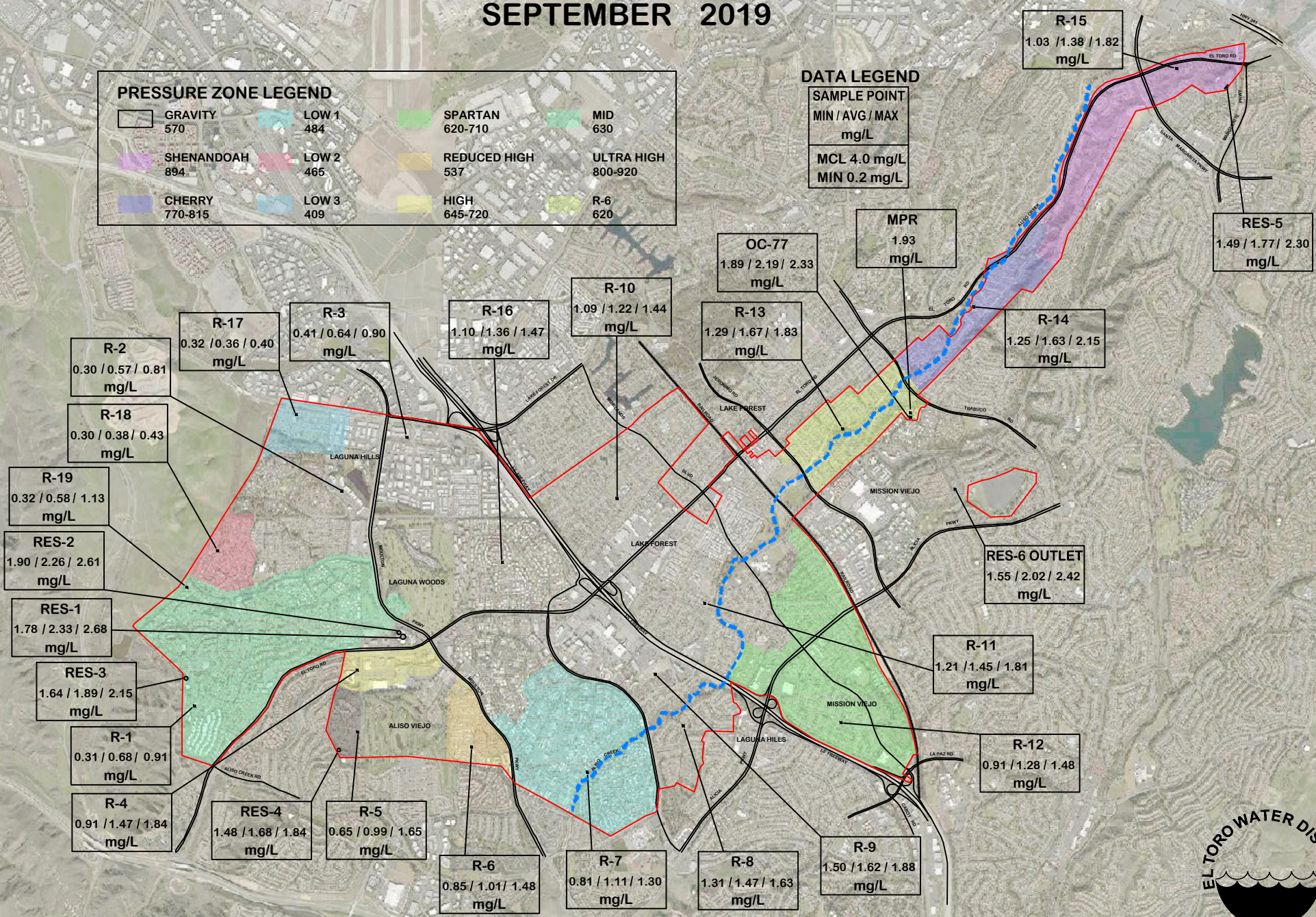


CHLORINE RESIDUAL MONITORING

SEPTEMBER 2019

PRESSURE ZONE LEGEND			
GRAVITY 570	LOW 1 484	SPARTAN 620-710	MID 630
SHENANDOAH 894	LOW 2 465	REDUCED HIGH 537	ULTRA HIGH 800-920
CHERRY 770-815	LOW 3 409	HIGH 645-720	R-6 620

DATA LEGEND	
SAMPLE POINT	MIN / AVG / MAX mg/L
MCL	4.0 mg/L
MIN	0.2 mg/L



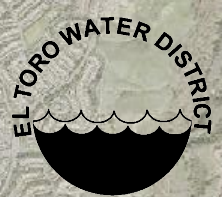
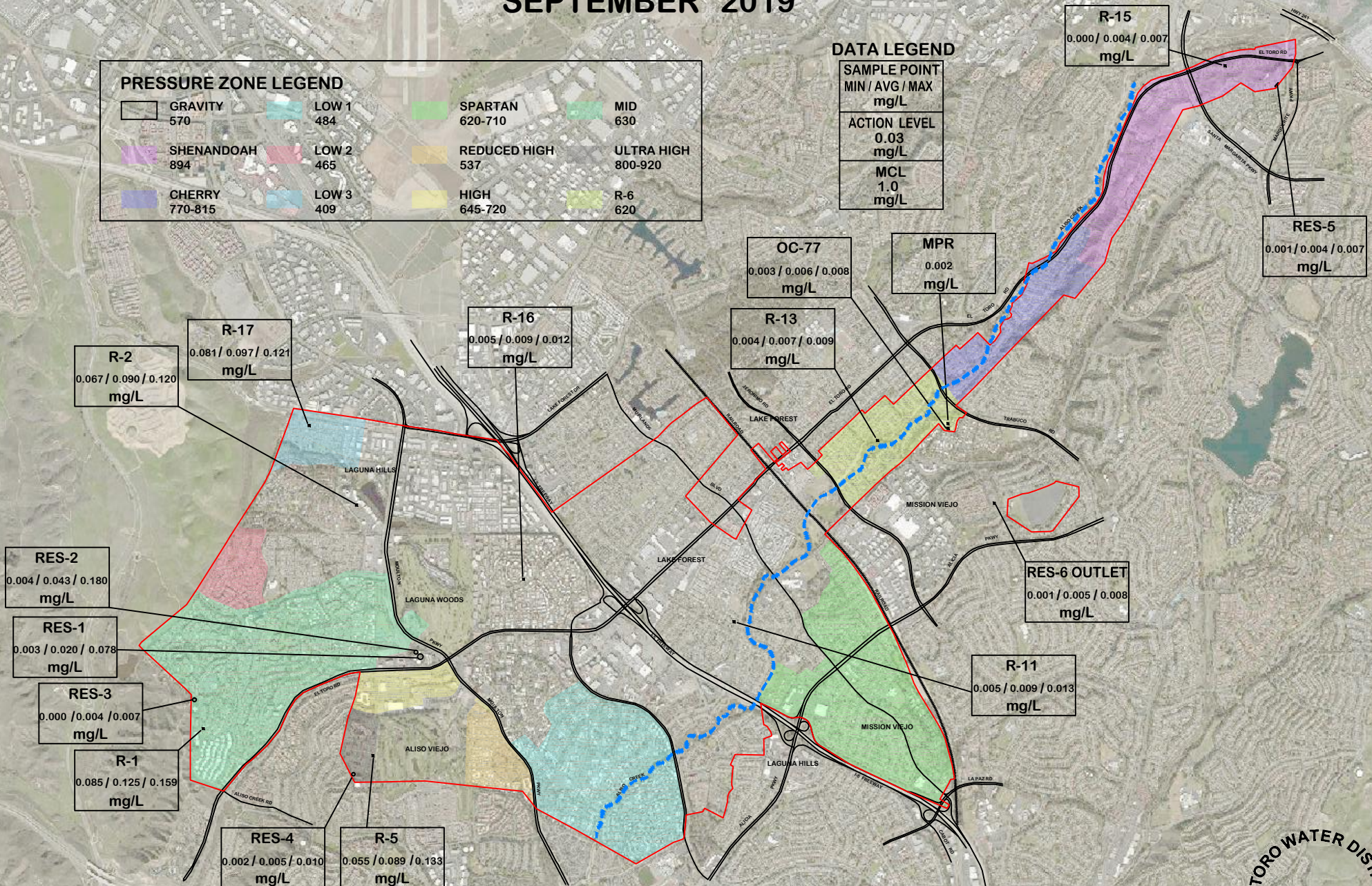
NITRITE MONITORING

SEPTEMBER 2019

PRESSURE ZONE LEGEND			
GRAVITY 570	LOW 1 484	SPARTAN 620-710	MID 630
SHENANDOAH 894	LOW 2 465	REDUCED HIGH 537	ULTRA HIGH 800-920
CHERRY 770-815	LOW 3 409	HIGH 645-720	R-6 620

DATA LEGEND

SAMPLE POINT MIN / AVG / MAX mg/L
ACTION LEVEL 0.03 mg/L
MCL 1.0 mg/L



FLUORIDE MONITORING

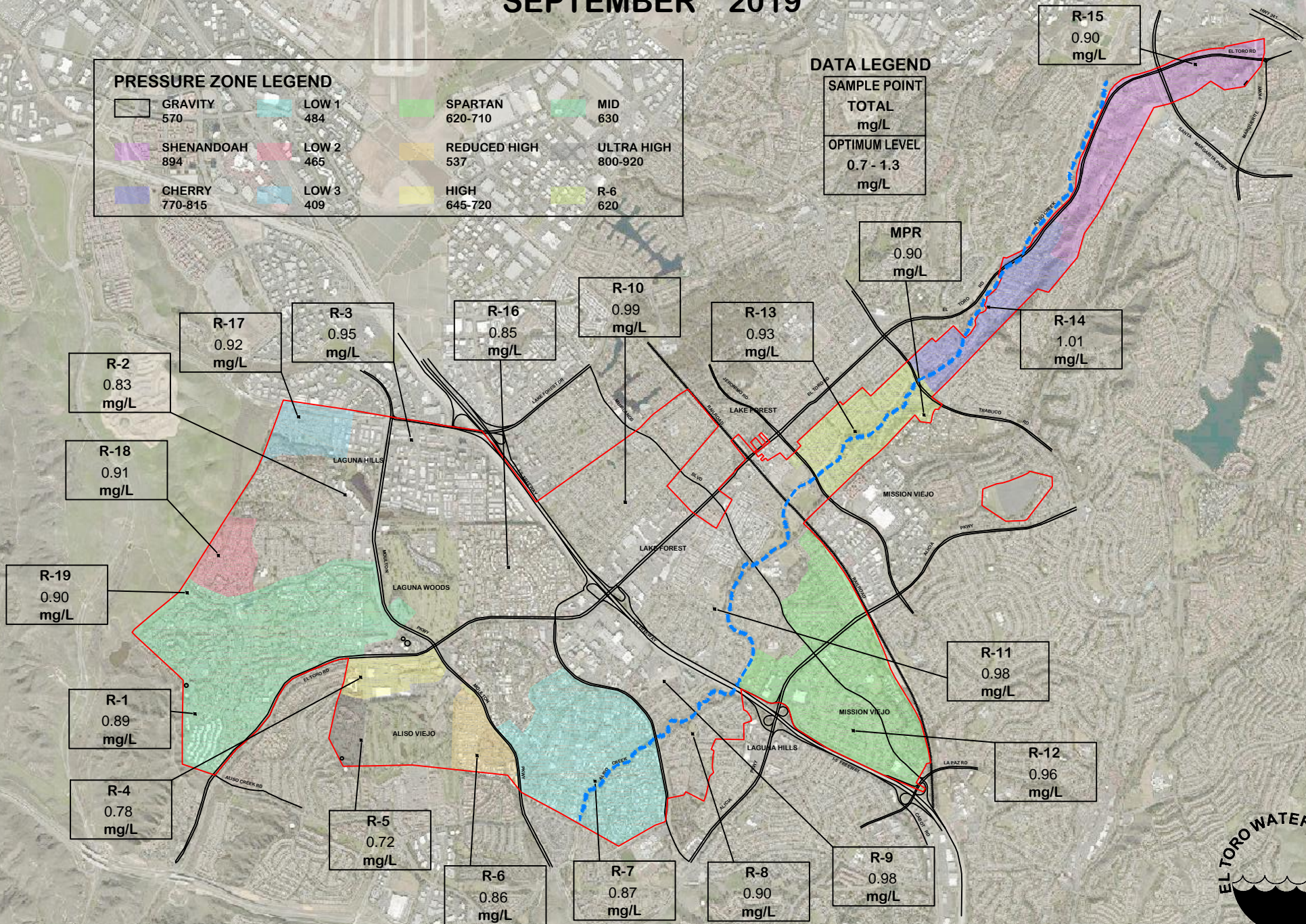
SEPTEMBER 2019

PRESSURE ZONE LEGEND

GRAVITY 570	LOW 1 484	SPARTAN 620-710	MID 630
SHENANDOAH 894	LOW 2 465	REDUCED HIGH 537	ULTRA HIGH 800-920
CHERRY 770-815	LOW 3 409	HIGH 645-720	R-6 620

DATA LEGEND

SAMPLE POINT
TOTAL mg/L
OPTIMUM LEVEL 0.7 - 1.3 mg/L



STAGE 2 TOTAL TRIHALOMETHANES (TTHM) MONITORING

3RD QUARTER 2019

PRESSURE ZONE LEGEND			
	GRAVITY 570		LOW 1 484
	SHENANDOAH 894		LOW 2 465
	CHERRY 770-815		LOW 3 409
	SPARTAN 620-710		REDUCED HIGH 537
	HIGH 645-720		ULTRA HIGH 800-920
	MID 630		R-6 620

DATA LEGEND	
	SAMPLE POINT
	TOTAL ppb
	MCL 80 ppb

SITE 2
32.1
ppb

SITE 5
24.9
ppb

SITE 8
26.0
ppb

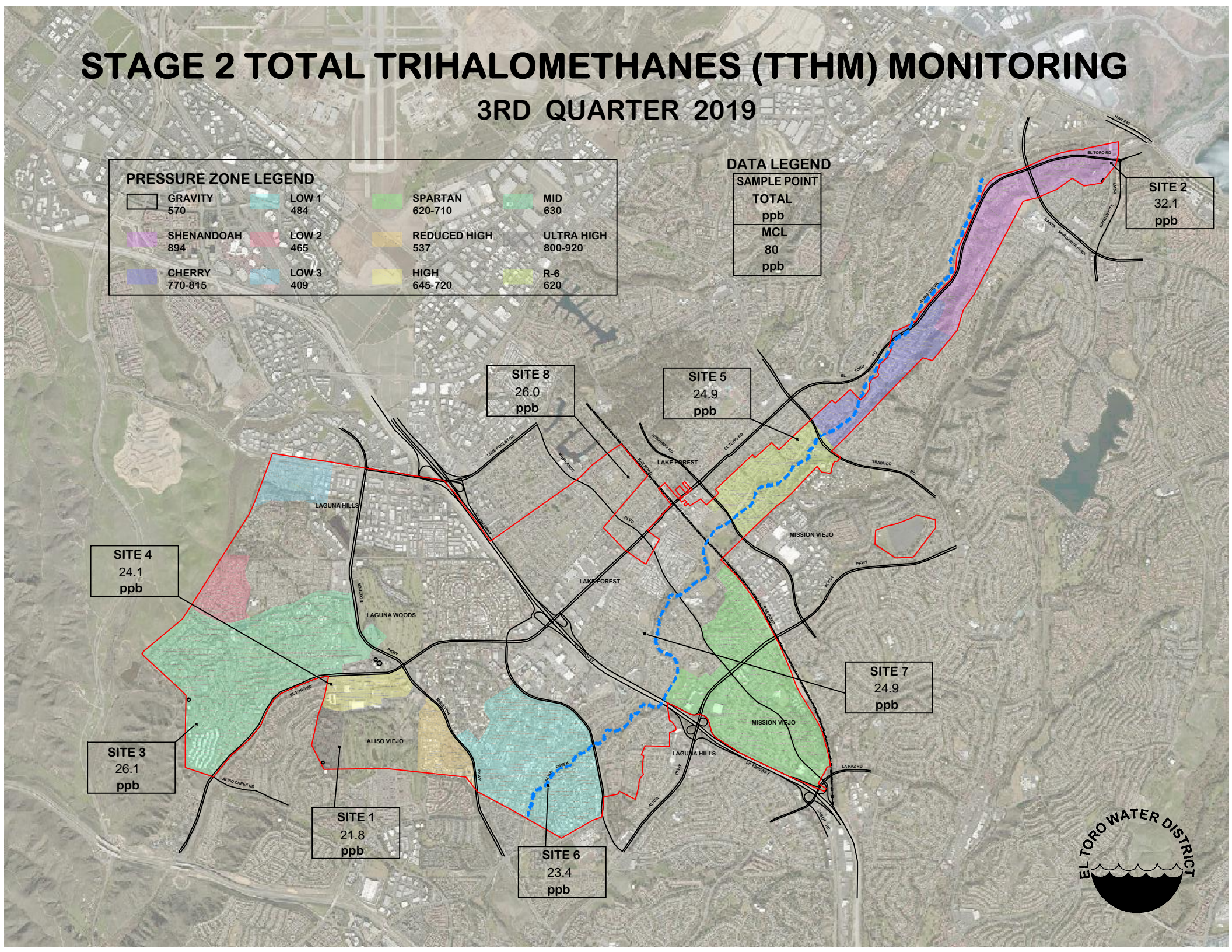
SITE 7
24.9
ppb

SITE 4
24.1
ppb

SITE 3
26.1
ppb

SITE 1
21.8
ppb

SITE 6
23.4
ppb



STAGE 2 HALOACETIC ACIDS (HAA5) MONITORING

3RD QUARTER 2019

PRESSURE ZONE LEGEND

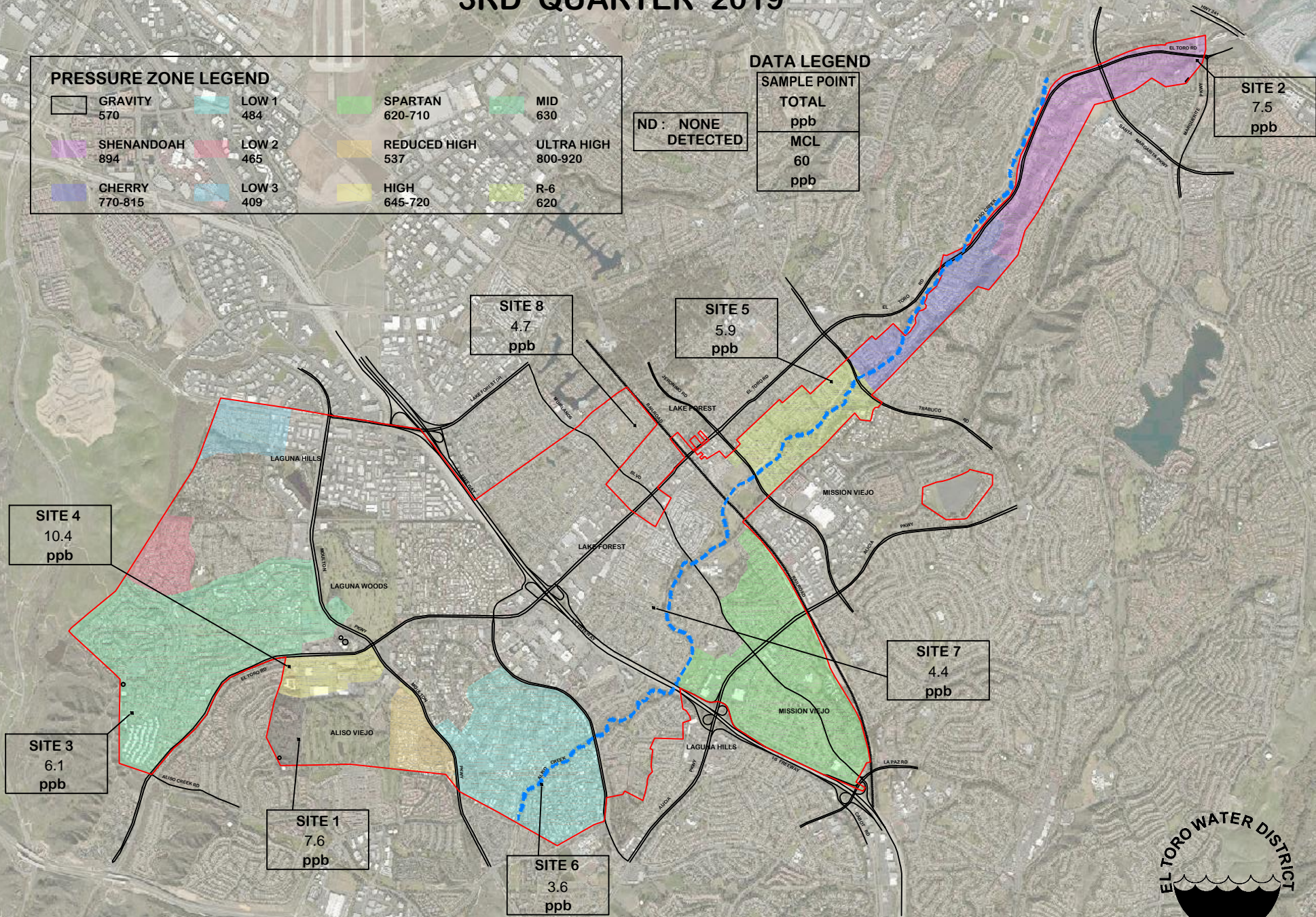
GRAVITY 570	LOW 1 484	SPARTAN 620-710	MID 630
SHENANDOAH 894	LOW 2 465	REDUCED HIGH 537	ULTRA HIGH 800-920
CHERRY 770-815	LOW 3 409	HIGH 645-720	R-6 620

DATA LEGEND

SAMPLE POINT
TOTAL
ppb
MCL
60
ppb

ND: NONE
DETECTED

SITE 2
7.5
ppb



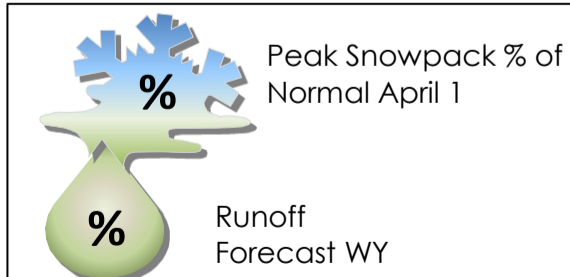
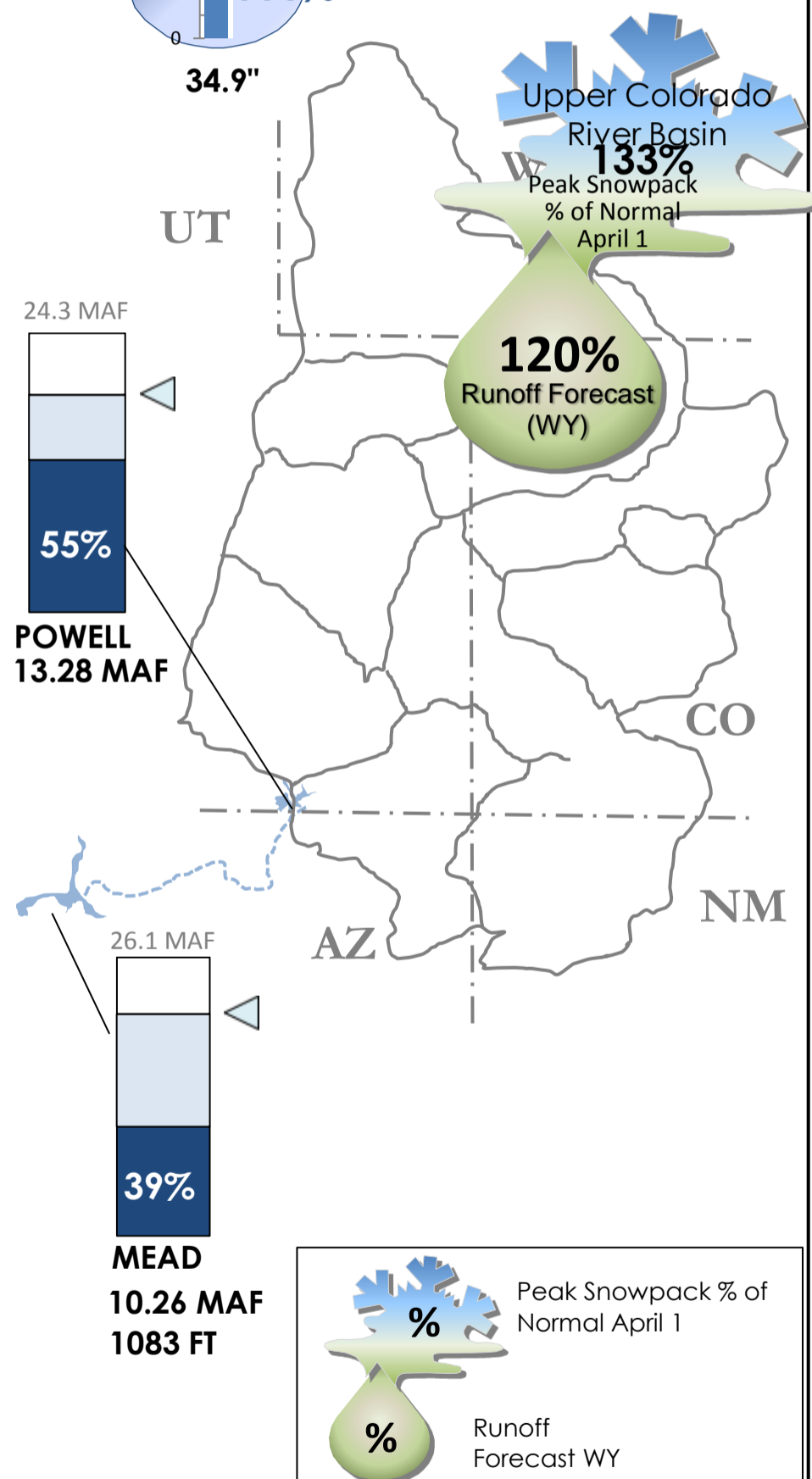
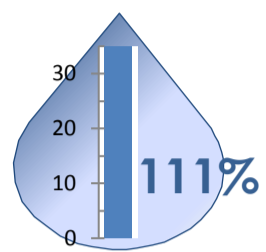


Water Supply Conditions Report

As of: 09/30/2019

2019 Colorado River

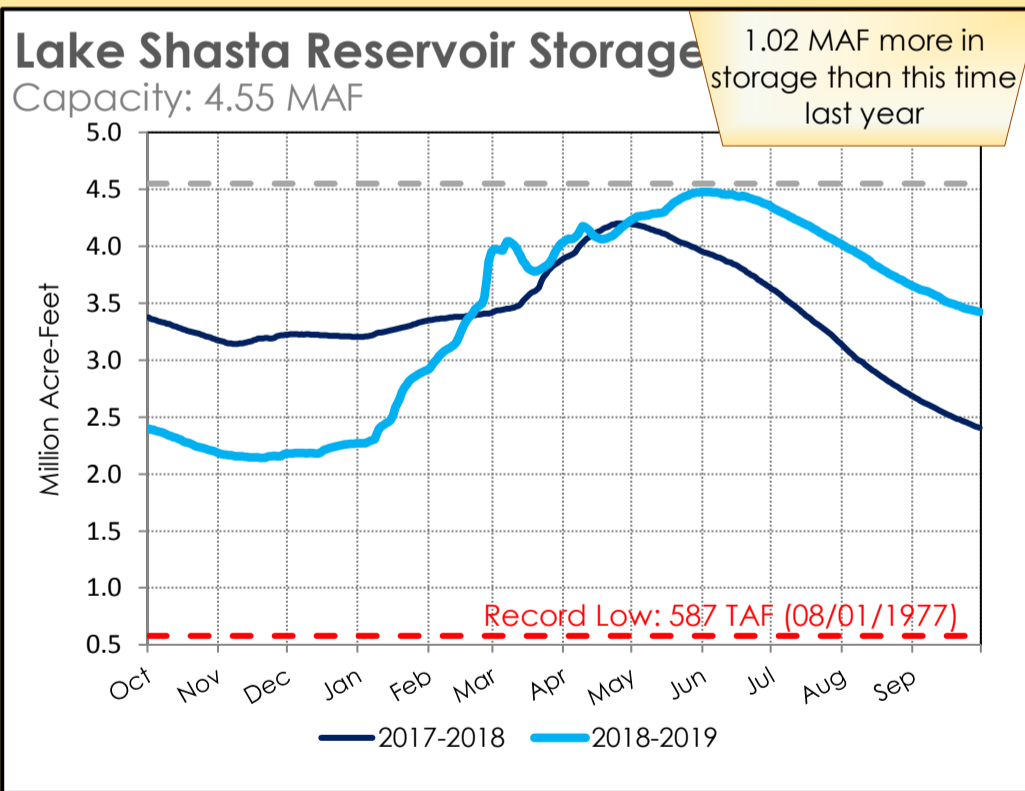
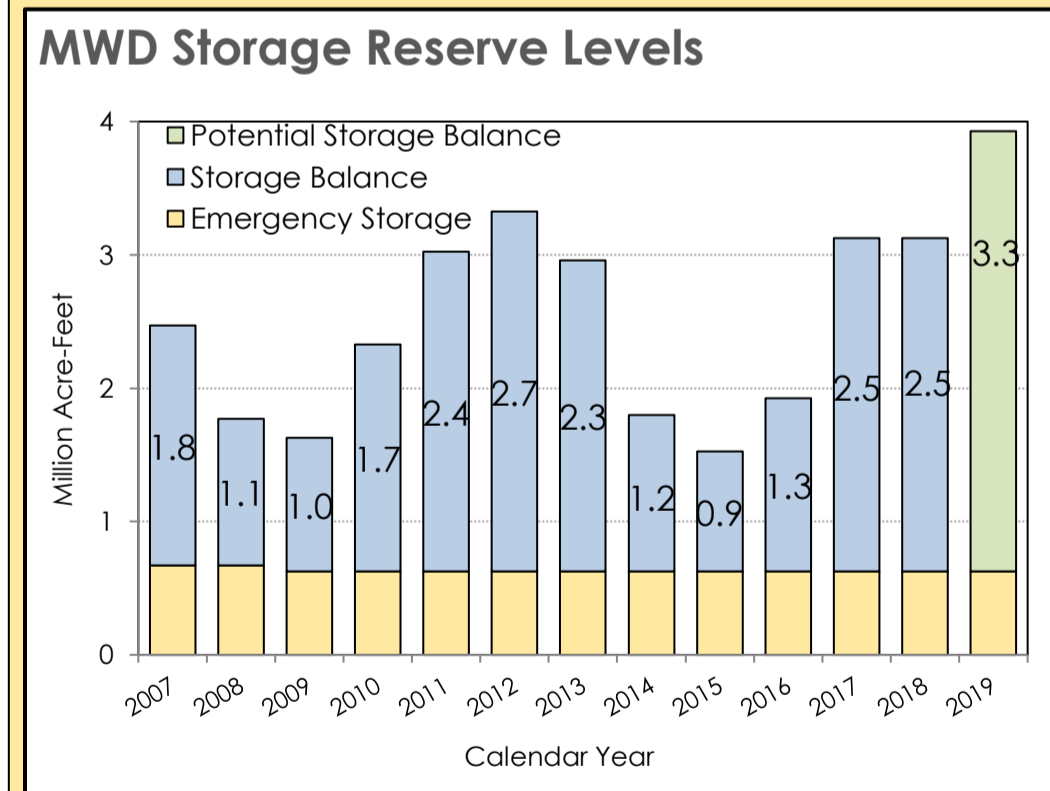
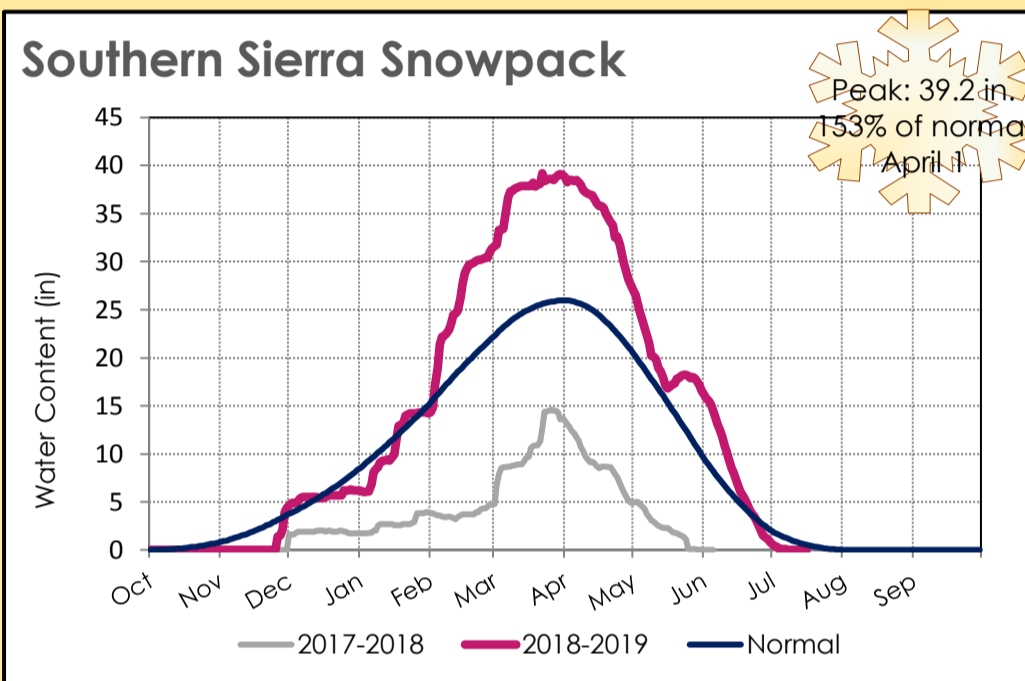
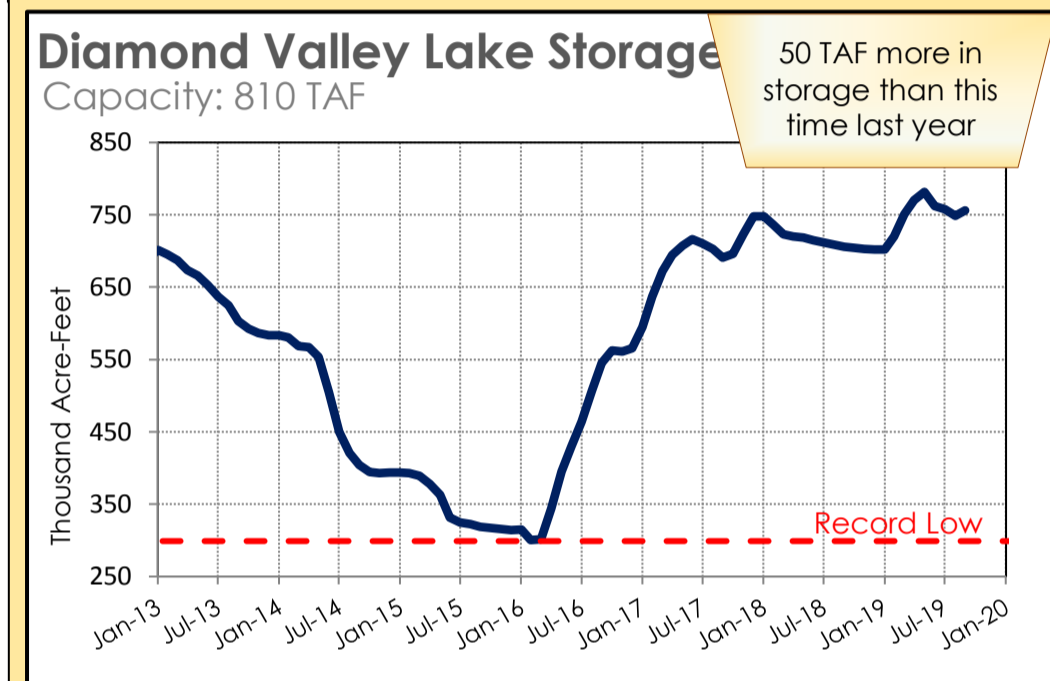
925,336 AF
74% of full CRA
Does not include storage withdrawals



Turn page for more CRA Data Flip Over for SWP

Highlights

- Northern Sierra snowpack peaked at 163% of April 1 normal
- Sacramento River Runoff forecast is 137% of normal
- Snowpack in the Upper Colorado River Basin peaked at 133% of April 1 normal
- Lake Powell inflow is 120% of normal



This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale.

<http://www.mwdh2o.com/WSCR>

This report is best printed double sided on legal size paper (8.5" x 14"), double sided on the short edge, and folded in quarters.

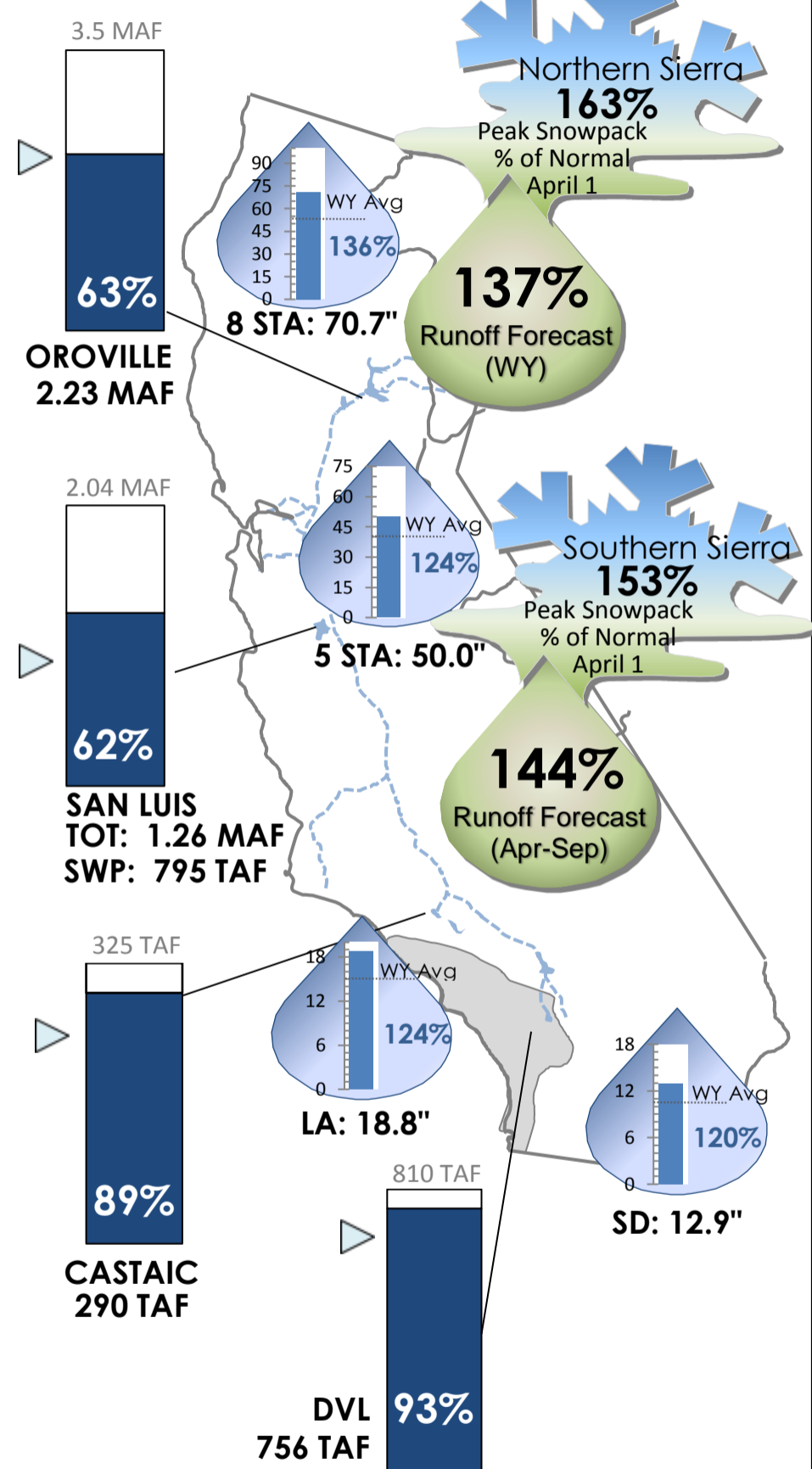


Water Supply Conditions Report

As of: 09/30/2019

2019 SWP Allocation

1,433,625 AF
75% of Table A



Legend for SWP Allocation:

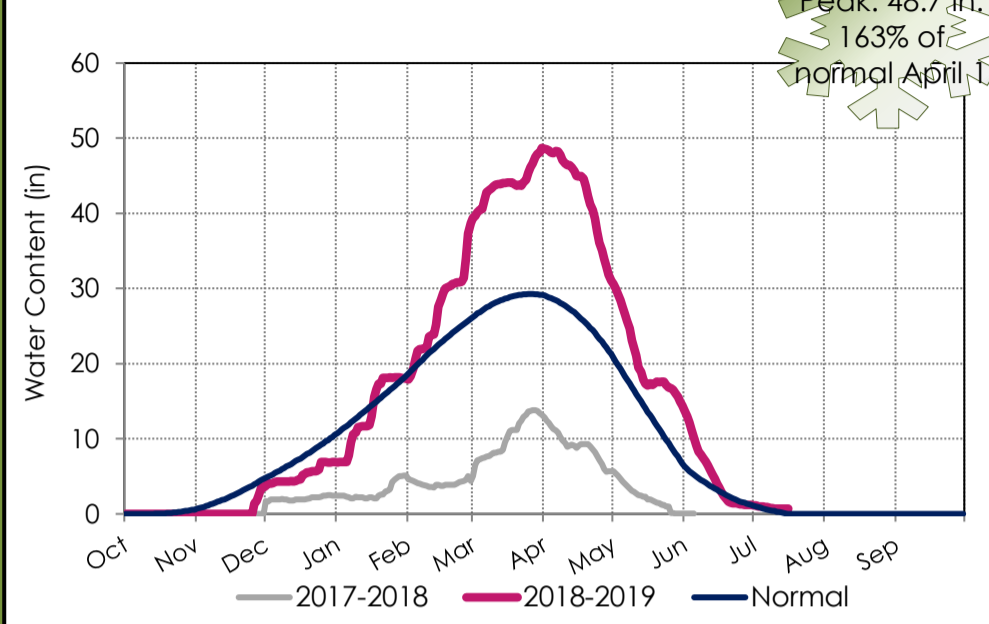
- WY Avg
- % Normal WY to Date
- Capacity
- Average EOM
- Current Storage (% Capacity)

Flip Over for CRA Data Turn page for more SWP Data

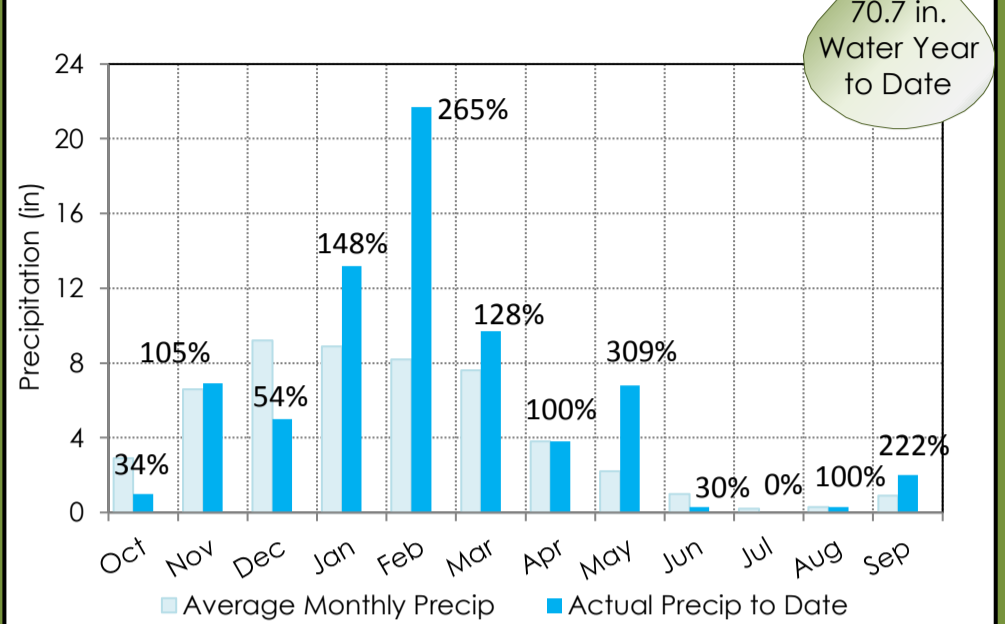
As of: 09/30/2019

State Water Project Resources

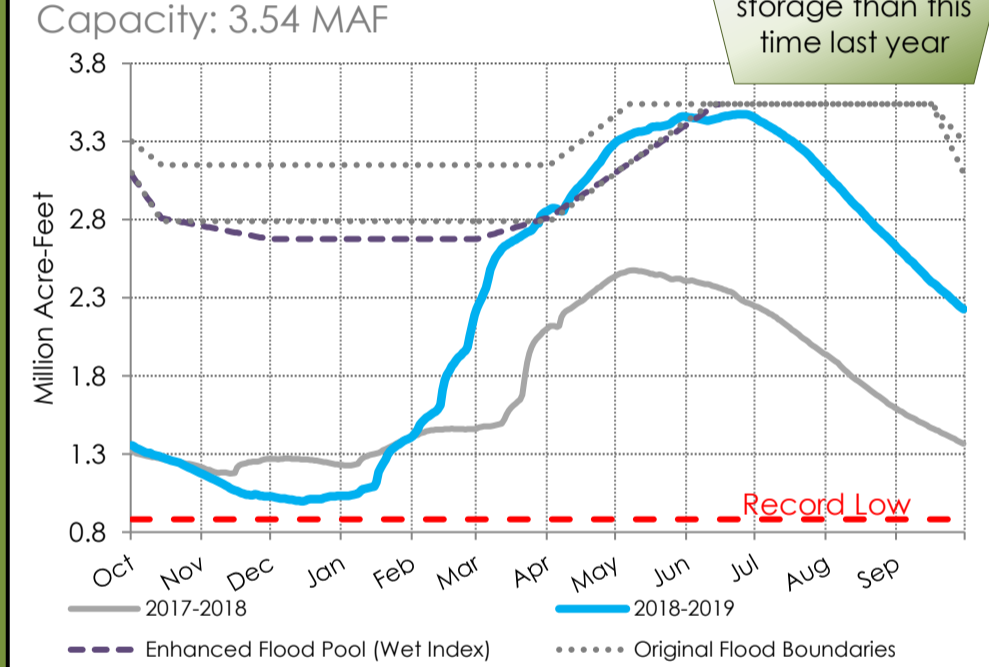
Northern Sierra Snowpack



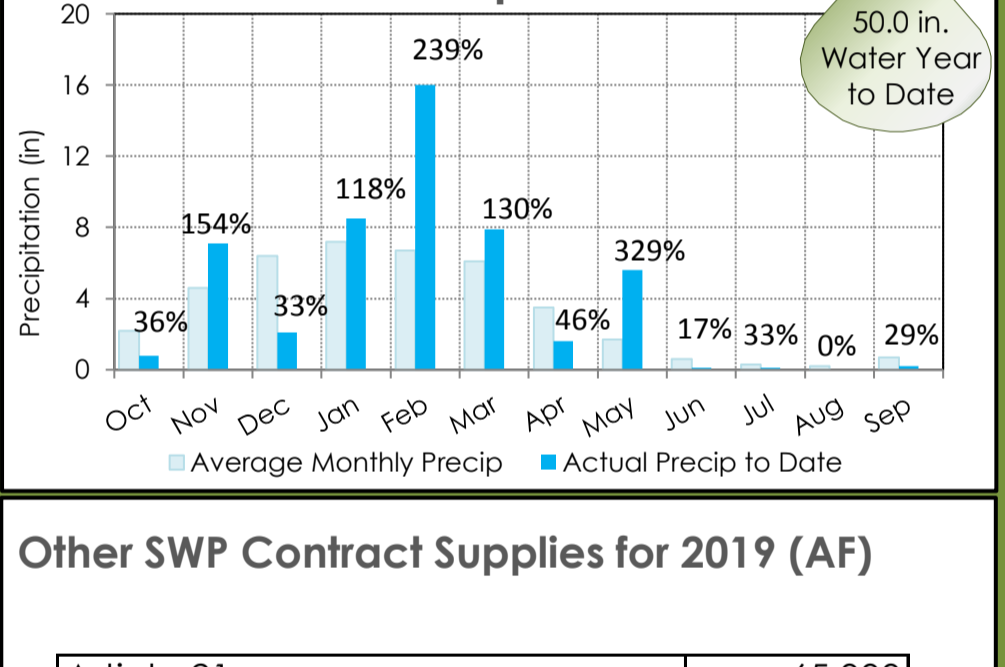
8 Station Index Precip



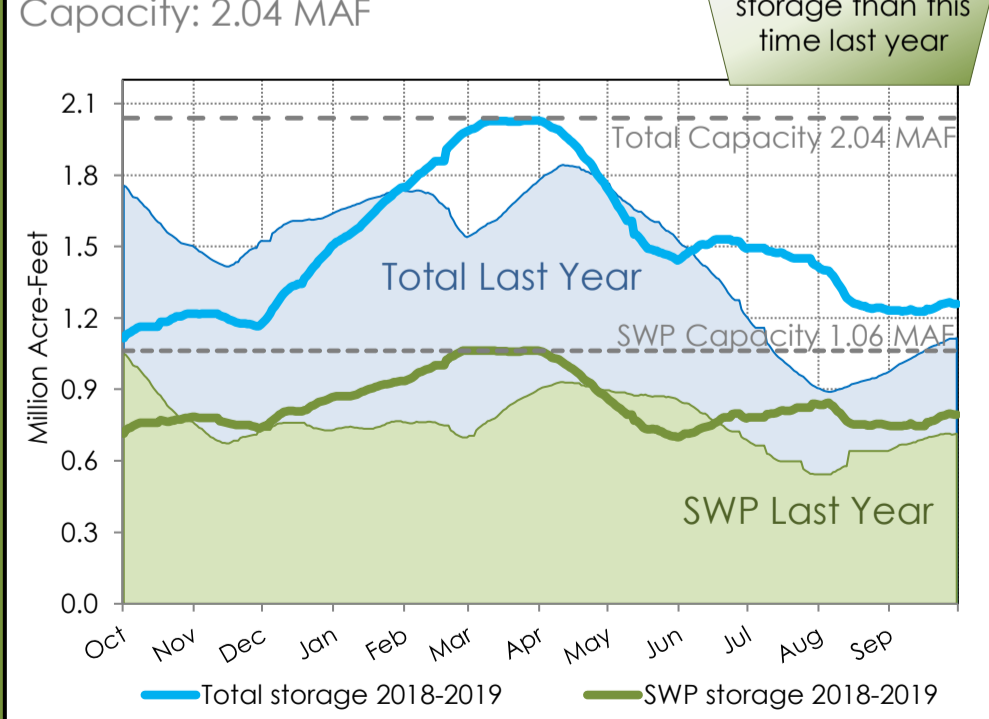
Oroville Reservoir Storage



5 Station Index Precip



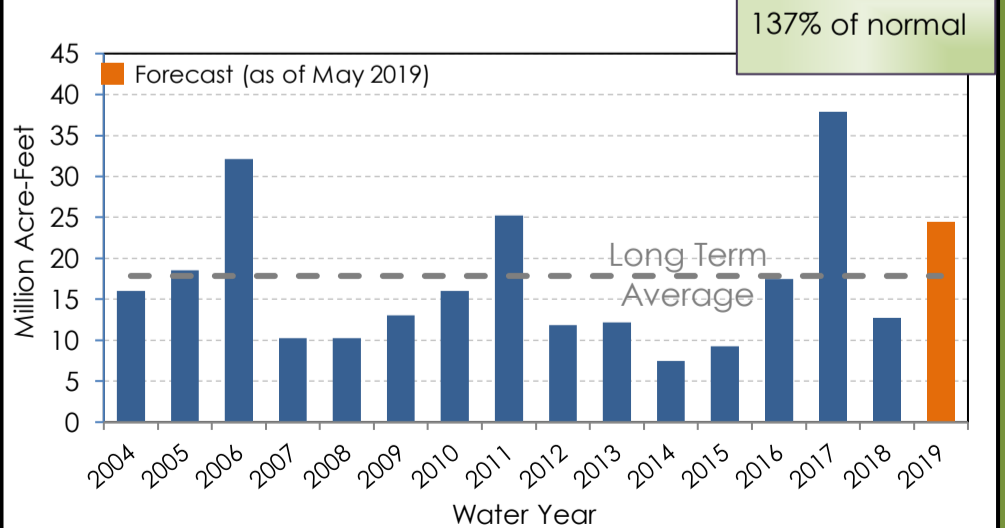
San Luis Reservoir Storage



Other SWP Contract Supplies for 2019 (AF)

Article 21	65,000
Carryover	93,000

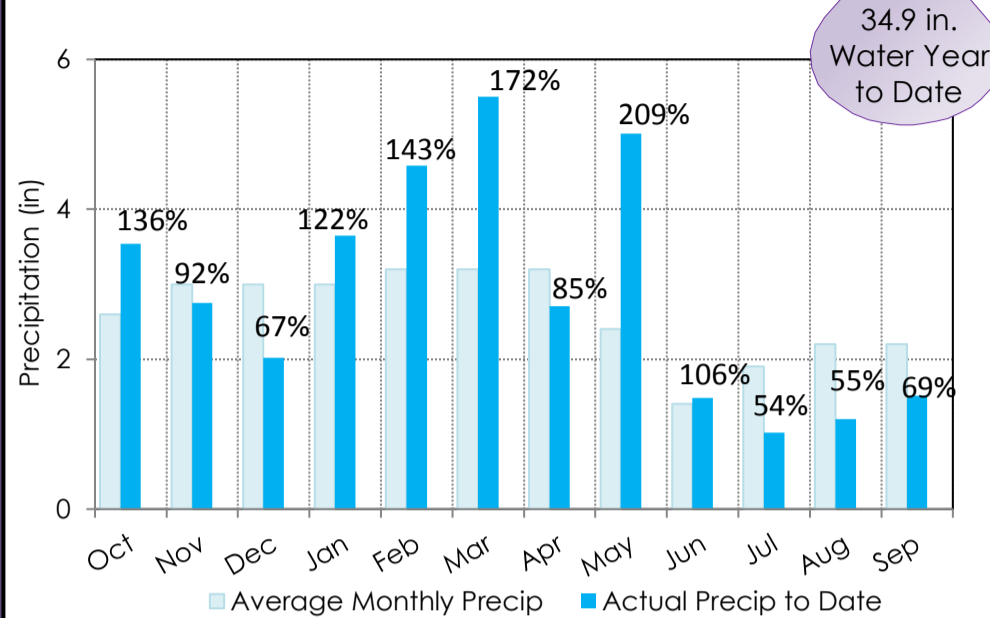
Sacramento River Runoff



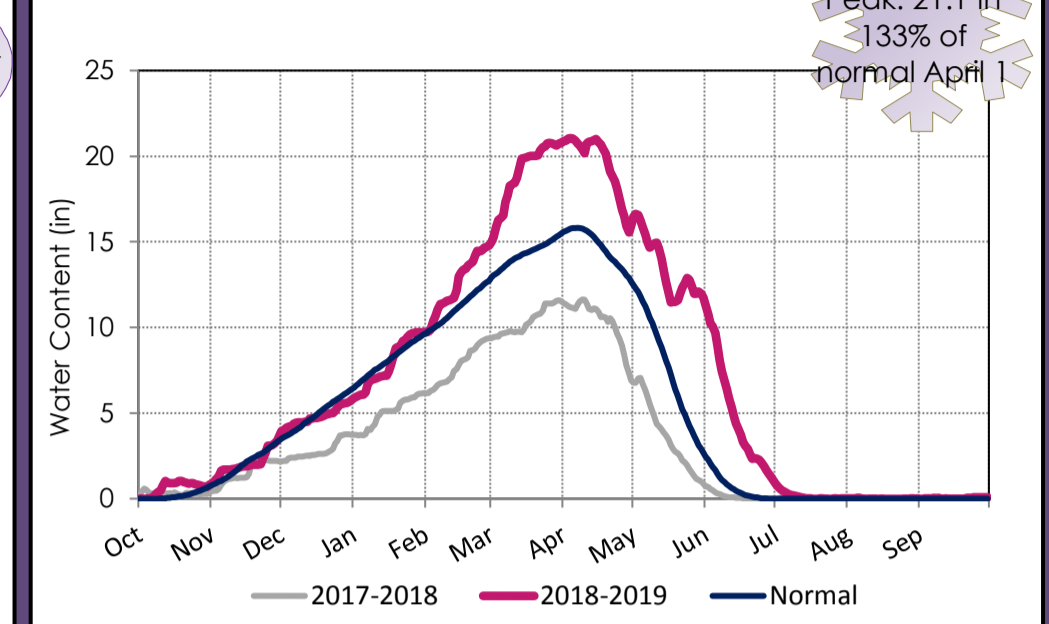
Colorado River Resources

As of: 09/30/2019

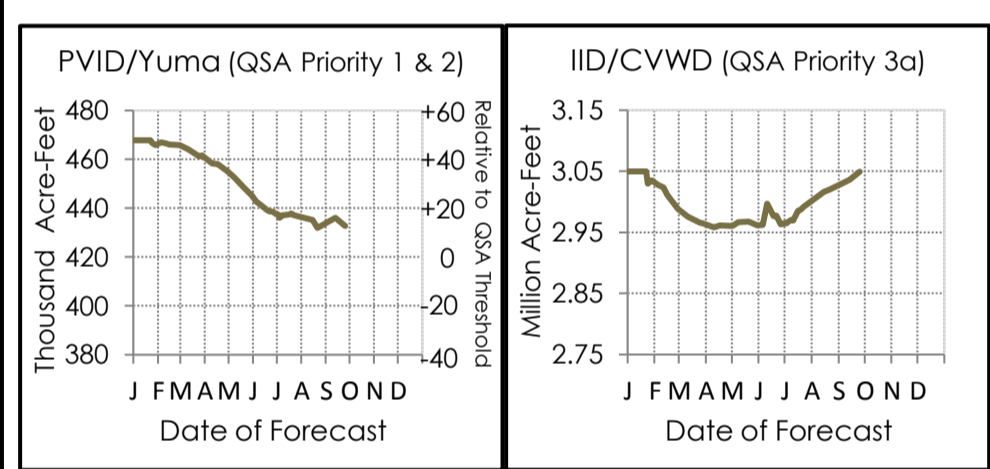
Upper Colorado Basin Precip



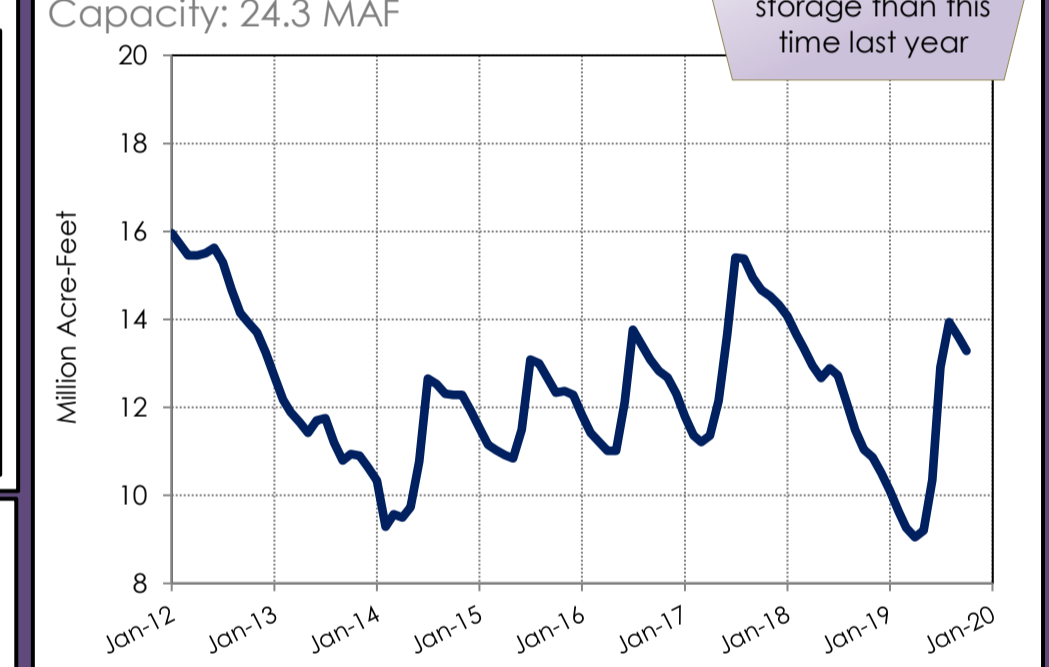
Upper Colorado Basin Snowpack



2019 Colorado River Ag Use



Lake Powell Storage

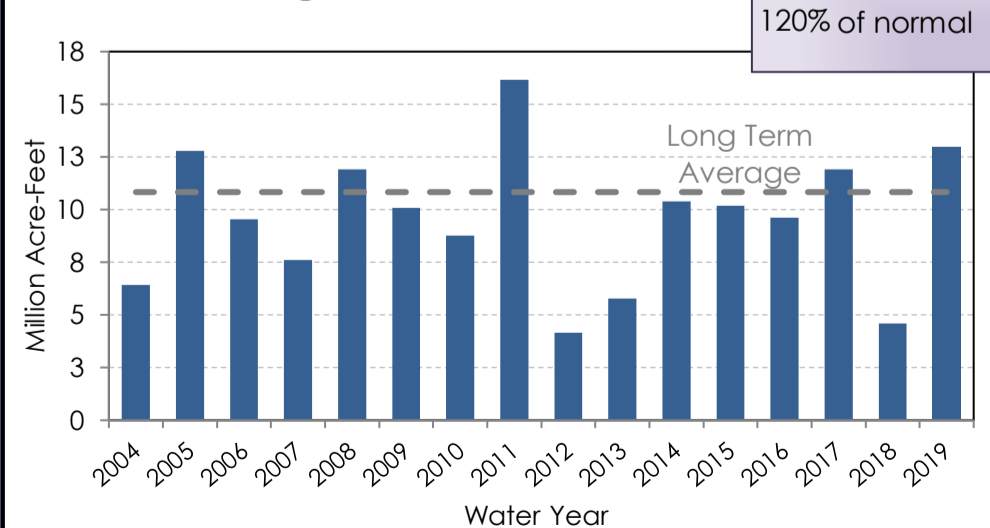


Lake Mead Shortage/Surplus Outlook

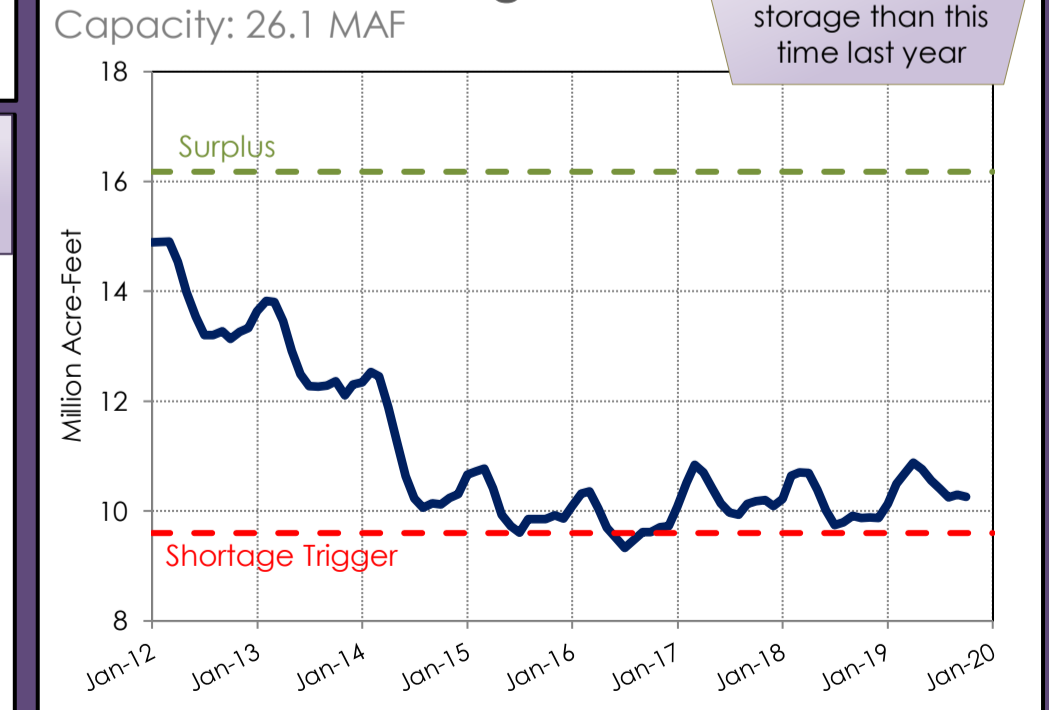
	2020	2021	2022	2023	2024
Shortage	0%	4%	24%	37%	43%
Surplus	0%	0%	7%	12%	19%

Likelihood based on results from the August 2019 CRSS model run. Includes DCP Contributions.

Powell Unregulated Inflow



Lake Mead Storage



Weekly Water Quality System Status

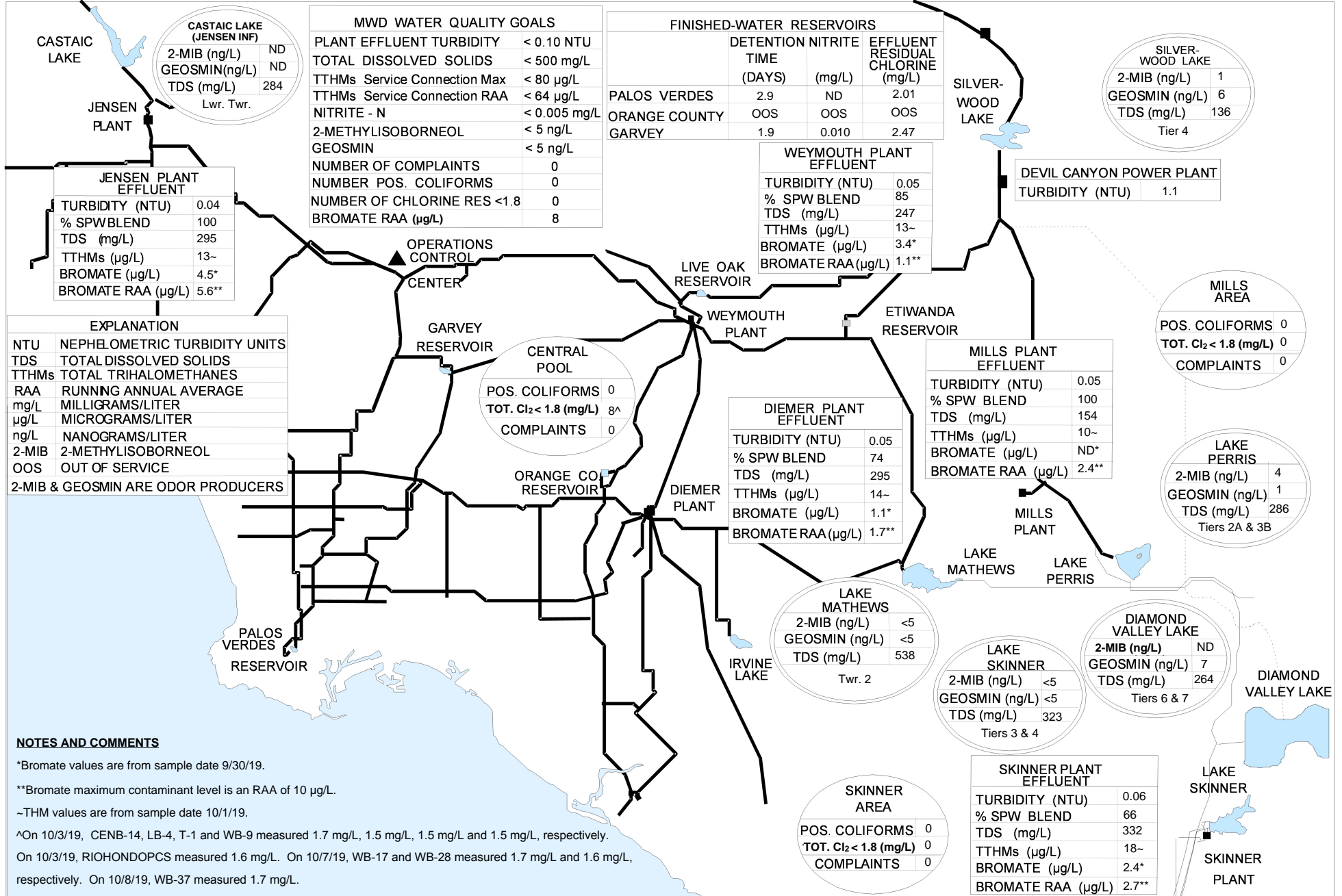
Wednesday, October 09, 2019

Generated On:10/9/2019 4:10:40 PM



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

No violations of State or Federal regulations were recorded during the current period.



MWD water quality goals meet or exceed all State and Federal regulations.

WATER QUALITY INFORMATION LINE: (800) 354-4420
VISIT MWD ON THE WEB AT <http://www.mwdh2o.com>

**EL TORO WATER DISTRICT
MONTHLY POTABLE WATER QUALITY REPORT**

The quality and safety of drinking water in the U.S. is regulated by the federal government through the U.S. Environmental Protection Agency (USEPA). In California, those standards are enforced by the California Department of Public Health (CDPH). Water Quality parameters must meet both primary and secondary water quality standards as established by the CDPH.

PRIMARY STANDARDS - are intended to protect public health against substances in the water that may be harmful to humans if consumed for long periods of time.

SECONDARY STANDARDS - are to ensure esthetic qualities of water such as taste, odor or clarity. Rather than its healthfulness, these standards govern substances that may influence consumer acceptance of water.

Given that 100% of ETWD's potable water resource is fully treated and delivered by Metropolitan Water District of Southern California (MWDSC) through an enclosed and protected conveyance system, the majority of the State and federal primary and secondary source water quality monitoring requirements are performed by MWDSC. The District's physical responsibility for water quality monitoring is associated with the distribution system. To monitor the distribution system water quality the District utilizes both in-house and outside lab services. Routine distribution analysis conforming to CDPH requirements is conducted for the following constituents:

- 1) **Microbiological** - The number of microbiological samples and the frequency of analysis during the month is based on the population and/or service connections served. Utilizing a population of 50,000, the CDPH requires that 20 "representative" samples be collected and analyzed for coliform bacteria. The objective is to maintain water quality that is absent of coliform bacteria which is a general indicator for the existence of fecal coliform.

- 2) **Chlorine Residual** - The chlorine residual monitoring is performed in conjunction with the microbiological monitoring. The CDPH requirement for treated surface water mandates that the distribution system maintain a "detectable" residual. The number of and frequency of sampling is determined utilizing the same formula applied to microbiological requirements. At a minimum, we are obligated to collect and analyze for chlorine residual each time we collect the representative microbiological samples. Per EPA Disinfectants & Disinfection Byproduct Rule (D/DBP), which was effective January 2002, requires quarterly reporting for all sampling.

- 3) **TTHM & HAA5 Stage 2 DBPR Compliance** The U.S. Environmental Protection Agency (EPA) published the Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR) on January 4, 2006. The Stage 2 DBPR builds on existing regulations by requiring water systems to meet disinfection byproduct (DBP)* maximum contaminant levels (MCLs) at each monitoring site in the distribution system to better protect public health. The Stage 2 DBP rule is intended to reduce potential cancer and reproductive and developmental health risks from disinfection byproducts (DBPs) in drinking water, which form when disinfectants are used to control microbial pathogens. This final rule strengthens public health protection for customers of systems that deliver disinfected water by requiring such systems to meet maximum contaminant levels as an average at each compliance monitoring location (instead of as a system-wide average as in previous rules) for two groups of DBPs, trihalomethanes (TTHM) and five haloacetic acids (HAA5). The rule targets systems with the greatest risk and builds incrementally on existing rules. This regulation will reduce DBP exposure and related potential health risks and provide more equitable public health protection. The Stage 2 DBPR is being released simultaneously with the Long Term 2 Enhanced Surface Water Treatment Rule to address concerns about risk tradeoffs between pathogens and DBPs.

The mandatory requirement under the Stage 2 DBP rule, known as an Initial Distribution System Evaluation (IDSE) was completed by ETWD in 2008 and a Stage 2 monitoring plan has been approved by CDPH. Full Stage 2 compliance begins in 2012. The IDSE identified the locations with high disinfection byproduct concentrations. These locations will then be used by the District as the 8 sampling sites for Stage 2 DBP rule compliance monitoring. Compliance with the maximum contaminant levels for two groups of disinfection byproducts (TTHM and HAA5) will be calculated for each monitoring location in the distribution system. This approach, referred to as the locational running annual average (LRAA), differs from current requirements, which determine compliance by calculating the running annual average of samples from all monitoring locations across the system. The Stage 2 DBP rule also requires each system to determine if they have exceeded an operational evaluation level, which is identified using their compliance monitoring results. The operational evaluation level provides an early warning of possible future MCL violations, which allows the system to take proactive steps to remain in compliance. A system that exceeds an operational evaluation level is required to review their operational practices and submit a report to the state that identifies actions that may be taken to mitigate future high DBP levels, particularly those that may jeopardize their compliance with the DBP MCLs.

- 4) **Physical Quality** - Physical Quality analysis is associated with the esthetic qualities of the finished water. Primarily, we are performing analysis for taste, odor and Turbidity (Clarity). In accordance with CDPH requirements, the District collects a minimum of 15 samples per month.
- 5) **Nitrites** - Although the chloramine disinfection process has been effective in controlling TTHM levels, it requires increased monitoring and adjustment as a result of its susceptibility to the Nitrification process. Nitrification is a biological process caused by naturally occurring ammonia oxidizing bacteria. Nitrification in chloraminated drinking water can have various adverse impacts on water quality, the most serious of which is the loss of total chlorine residual which is required by the CDPH and the subsequent potential to increase bacteria-logical activity within the finished or treated water system. MWD has developed an effective nitrification monitoring and prevention program which ETWD staff have adopted and incorporated into the District's daily water quality monitoring and action plan. The number and frequency of this type of monitoring is not currently regulated by CDPH. Staff monitor the level of nitrites in source water, reservoirs and the distribution system daily and weekly in conjunction with the microbiological and chlorine sampling program. A nitrite level of between 0.015 and 0.030 would signal an alert. > 0.030 would require action such as the addition of chlorine to produce a chloramine residual.

EL TORO WATER DISTRICT MONTHLY POTABLE WATER QUALITY ANALYSIS						
MONTH:		September		YEAR : 2019		
CONSTITUENT ANALYSIS			INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS	
1 Microbiological	Pres/Absence	151(A)	Pres/Absence		Average	
2 Chlorine (ppm)	Detectable Resid	193	Average = 1.10 ppm			
3 TTHM (ppb) (Stage 2)	80 ppb		N/A		25.4 ppb	
3 HAA5 (ppb) (Stage 2)	60 ppb		N/A		6.3 ppb	
4 Physical Quality:			RANGE			
Turbidity (ppm)	5 NTU	20	0.00 to 0.08			
Odor	3 Units	20	ND<1			
Color	15 Units	20	ND<5			
Temperature	No standard	20	75.0°F To 83.0°F			
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	104	0.000 to 0.180 Res.			

To ensure water quality compliance, the District annually performs approximately 8,750 water quality analytical evaluations of the samples collected from the distribution system.

Abbreviations:

RES	Indicates that the nitrification was isolated to a reservoir and treated
ND	None detected
Pres/Absence	Presence (P) or Absence (A) related to a positive or negative bacteriological result
MCL	Maximum Contaminant Level
NTU	Nephelometric Turbidity Units, a measure of the suspended material in the water
ppm	Parts per million
ppb	Parts per billion
Total Coliform	No more than 5% of the monthly samples may be total coliform-positive
N/A	Not available

**EL TORO WATER DISTRICT
COLLECTION SYSTEM ACTIVITY REPORT**

MONTH ENDING: September 2019

ODOR COMPLAINTS	NUMBER	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village				
Outside Laguna Woods Village				
Laguna Woods Village	1	2189 Via Mariposa Customer Collection crew cleaned mainline and corked manholes.		
New World				
Private System				
Other: WRP				
TOTAL	1			
ROOT FOAMING	FOOTAGE	CHEMICAL USED	CHEMICAL COST	COMMENTS:
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Other				
TOTAL	0			
ROOT CUTTING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village	9,729			
Laguna Woods Village				
New World				
TOTAL	9,729			
HYDRO-CLEANING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village	2,728			
Laguna Woods Village				
New World				
Private System				
Hot Spots	24,251			
ETWD TOTALS:	26,979			
SANTA MARGARITA TOTALS:				
COMBINED TOTALS:	26,979			
TV INSPECTIONS	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village	10,707			
New World	8,948	Push Camera		
Private System				
Other				
TOTAL	19,655			
Wet Wells	Number	3	Mathis-Westline-Veeh 1&2	
Flow Meter/Sampling	Number			
WATER TANK FILLS	28	28,000		

WILL SERVE REQUEST STATUS REPORT

(September 2019)

**All projects subject to previously issued Will Serve Letters are either Complete or the Will Serve Letter has Expired
(Will Serve Letters Expire One Year from Date of Issuance)**

Date Requested	Applicant	Project Description	Type	Location	Status	Date Issued
3/8/19	Target Corporation	Target Mission Viejo Redevelopment	ND	24500 Alicia Pkwy.	Issued	7/3/19
8/16/19	Burgertown USA	Burgertown Sewer Connection	TI	24418 Muirlands	Review	n/a
8/29/19	Merlone Geier Partners	Hunter Court Utility Relocations	TI	24322 Rockfield Blvd	Review	n/a

ND = New Development

TI = Tenant Improvement

**EL TORO WATER DISTRICT
UNAUTHORIZED DISCHARGE SUMMARY
YEAR OF 2019**

DATE	PUBLIC / PRIVATE	SPILL TYPE	LOCATION	REASON	IMMEDIATE CORRECTIVE MEASURES	PREVIOUS MAINTENANCE		POST-INCIDENT PREVENTIVE MEASURES	RWQCB	DISCHARGED TO	SPILL VOLUME (PUBLIC) Gallons		SPILL VOLUME (PRIVATE) Gallons		REGULATORY NOTIFICATION AND RESPONSE
						CLEANING	TV				CONTAINED	SPILLED	CONTAINED	SPILLED	
January 23, 2019	PUBLIC	SEWER	Res. 23566 Los Adornos Aliso Viejo	Root Intrusion	Ran root cutter in Public Lateral and cut the blockage out.			Tv'd the line and saw it was cleared	9	Grass Yard	3	5			Notified OCEH, RWQCB 9, and City of Aliso Viejo
February 2, 2019	PRIVATE	SEWER	Res. 23902 Bough Ave. Mission Viejo	Toilet Paper Blockage	Collections ran a snake in line breaking the blockage. Noticed there was a belly in line, a dip in line where material can collect causing blockages.			Tv'd the line and saw it was cleared that is when the dip in line was discovered	9	Grass Yard			1	1	Notified OCEH, RWQCB 9, and City of Mission Viejo
March			No		Spills			To							Report
April			No		Spills			To							Report
May 1, 2019	PUBLIC	SEWER	643 Avenida Sevilla	Root Intrusion	First ran jetter to try to unclog then ran the root cutter and broke the clog.			Collections crew went out to tv line in morning.	9	Sidewalk and Grass area	0	150			Notified OCEH, RWQCB 9 and Laguna Woods
June			No		Spills			To							Report
July 19, 2019	PRIVATE	SEWER	Res. 23956 Cophagen, Mission Viejo	Root Intrusion	Ran the root cutter to clear the sewer lateral.			Tv'd line again and lateral was clear.	9	Inside house			0	0	None, did not spill outside.
August 30, 2019	Private	Recycled Water	23451 Caminito Salado, Laguna Hills	Leak in private irrigation system	Contained flow upon arrival with sandbags and added dechlorinating agent to flow. Located meter serving system and isolated. Cleaned up contained flow with sewer vactor.			Notified Laguna Village Homeowners Association	8	Stormdrain			150	1050	Notified RWQCB and O.C. Flood Control District
September			No		Spills			To							Report
LEGEND											3	155	151	1,051	

S.DC = San Diego Creek	RES. = Residential	R.S. = Rocks
S.D. = Storm Drain	C. = Commercial	C.W.D. = Calcium Water Deposits
A.C. = Aliso Creek	S.B. = Siphon	B.P. = Broken Pipe
G.B. = Grease Blockage	P.F. = Power Failure	U.W. = Untreated Water

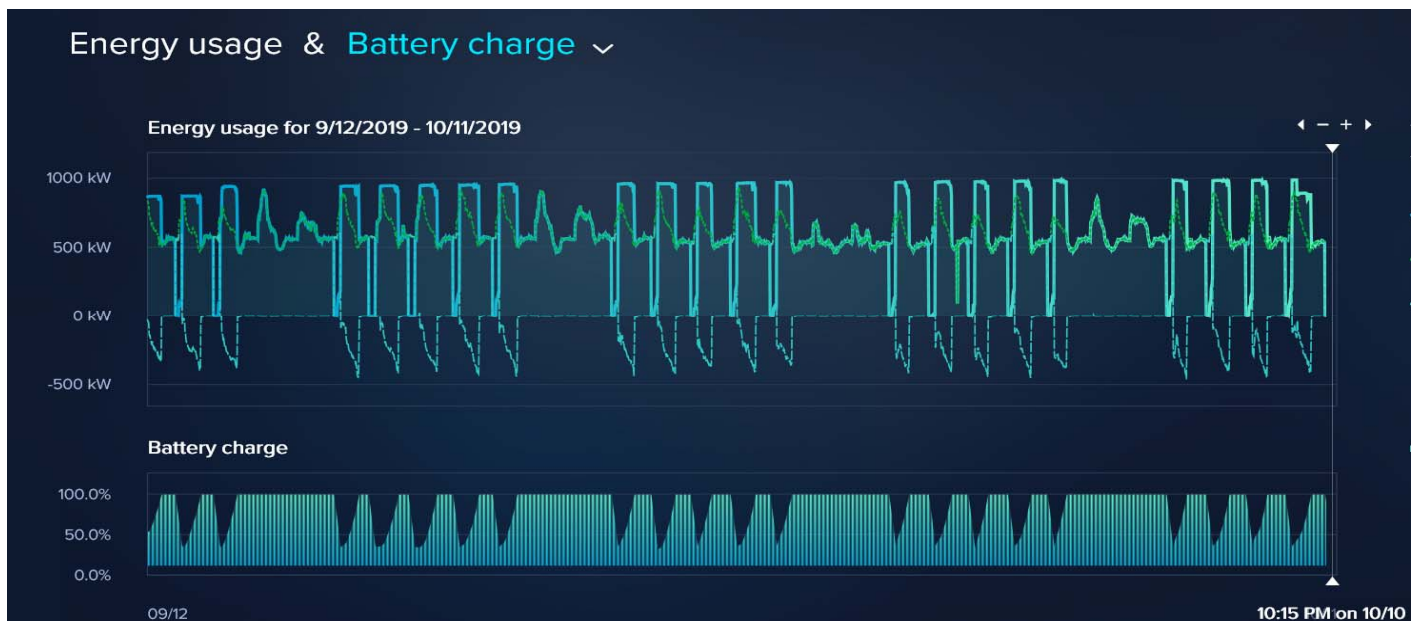


WRP BATTERY STORAGE SYSTEM

MONTHLY REPORT

SEPTEMBER, 2019

BILLING PERIOD	PEAK REDUCTION	PEAK INCURRED	BILL SAVINGS	NET SAVINGS
7/15/2019 - 8/13/2019	67 kW	1,032 kW	\$3,703.97	\$1,723.97
8/13/2019 - 9/12/2019	9 kW	1,070 kW	\$4,593.03	\$2,613.03
9/12/2019 - 10/11/2019	-45 kW	988 kW	\$1,646.72	(\$333.28)
TOTAL			\$9,943.72	\$4,003.72



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WASHINGTON, DC 20007
(202) 293-4064
jimbarker@jcbdc.com

Nicholas Crockett
Allison Leavitt

Municipal Water District of Orange County, California
Washington Update
October 15, 2019

Status of Congress:

At the end of September the Congress was able to pass a Continuing Resolution which keeps the federal government running until the November 21st period. Key Appropriators and Congressional Leadership are trying to prepare different “packages of spending bills” that they intend to pass, if possible before the Thanksgiving period. The two bills we are watching the most, the Energy and Water Bill and the Interior and EPA Bill, are largely considered as non-controversial this year and any hold up at this stage is due to other larger issues such as border wall spending or the levels of defense spending that are considered in other spending bills.

One reason for the slowdown in the appropriations process, the House had to revise its total spending allocations for their spending bills and will need to lower the amounts it passed earlier this summer to conform with the levels approved by the Senate and the White House in August. For our water accounts however, the spending levels remain largely unchanged for various water accounts—with the House and the Senate headed to pass slight increases for Bureau of Reclamation, Army Corps and EPA related programs.

Since our last Report, Senator Feinstein was able to add language in the Senate Energy and Water bill that would allow the South Coast Water District to receive its

\$8.3 Million Desal Grant. In order for South Coast to get the funds however, that bill has to pass with that special language in the bill.

We have been talking with key offices regarding the potential glitch if the Energy and Water bill does not pass—and everyone so far is saying that they think the bill will pass later this fall in one of the packages that is approved by the Congress. We are monitoring this situation and will keep you posted on developments.

PFAS Developments:

The Defense Authorization Conference:

We continue to monitor the PFAS issue in the National Defense Authorization Act Conference Committee negotiations between the House and the Senate.

The most controversial issue remains the so-called Dingell amendment that passed on the House bill by voice vote to designate all PFAS as hazardous for the purposes of Superfund cleanups. Virtually all of the national water stakeholder groups have come out strongly opposing the Dingell language.

The hazardous substance issue is important and controversial because of its liability implications. If PFAS are listed as hazardous substances, they become subject to CERCLA's broad liability scheme, which makes past and present owners and operators, transporters, and arrangers jointly and severally liable for the cost of cleanup.

MWDOC has weighed in with all 101 House and Senate Conferees with a letter. A copy of the major water stakeholder groups' letter was attached to the MWDOC Letter that outlined the groups major concerns regarding the PFAS issues contained in the House and Senate versions of the NDAA. We have also visited with several Conferees offices on the matter.

MWDOC has also provided a "carve out" amendment to Congressman Cisneros's office—who is a Conferee in the negotiations. This amendment would exempt

water districts from liability due to the Dingel amendment, should the Dingel Amendment be included in the final bill.

It should be noted that the EPA already has CERCLA authority to clean up PFAS releases (as pollutants or contaminants), but presently cannot hold parties liable under CERCLA for such cleanup. The House provision – by making PFAS hazardous substances – would expand EPA’s ability to recover CERCLA response costs, and also would empower private parties to recover CERCLA response costs for PFAS cleanups.

Activities of the House Energy and Commerce Committee on PFAS:

A House Energy and Commerce Sub-Committee passed thirteen bills dealing with PFAS related substances on September 27th.

The legislation that caused the most controversy was again, the free standing bill that Congresswoman Dingel (D-Michigan) added as an amendment to the National Defense Authorization Act. During this committee meeting, she was able to pass through the subcommittee a free standing bill, H.R. 535, which would require EPA to designate PFAS as a hazardous substance under the Superfund law. In an effort to appease those opposed to her bill, Representative Dingell promised to work with the stakeholder community that were considered as innocent parties to Superfund liability.

In addition to the Dingell bill which passed the subcommittee, Congressman Harley Rouda’s (D-Ca) bill, H.R. 2570, passed the subcommittee by voice vote. Congressman Rouda’s bill would require PFAS polluters, or the manufacturers of PFAS, to pay for the treatment of contaminated water.

Outlook on PFAS:

On the House / Senate Conference Committee for the National Defense Authorization Act, the Trump Administration has said that it will veto the bill if it contains the Dingel amendment and several other provisions which were placed in the bill during House Floor consideration of the measure. The Trump Administration’s position largely follows and supports the measures contained in the Senate bill dealing with the PFAS issue.

Meanwhile, the activity in the House Energy and Commerce Committee is largely aimed at trying to develop a longer term consensus on how to deal with PFAS issues.

JCB 10/15/19



Memorandum

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: October 21, 2019
Re: Monthly State Political Report

Legislative Report

The Legislature is slowly coming back to life after the unofficial post end-of-session hiatus. The main activity through November will be informational hearings. Although nothing has been set at this time, PG&E will undoubtedly face legislative scrutiny at some point this year over the recent power outage. None of the hearings currently set relate directly to water, but the connection between wildfires and water districts is the subject of frequent conversation in Sacramento.

The three main themes are liability of water districts if loss of water pressure hinders firefighting efforts, use of emergency backup generators during planned and unplanned power outages, and the cost of insurance in areas threatened by wildfires. Water district managers in these areas are being advised that if they only see a doubling of premium costs that they should feel fortunate.

Both ACWA and CMUA are looking at legislative proposals related to emergency backup generators. The issues connect over air pollution regulations. One issue is whether or not using emergency generators during a planned power outage is an emergency. If it is, special rules apply that gives relief to water districts. The other issue is maintenance. Generators are, for the most part, limited to 20 hours per year for testing and maintenance, but that's an arbitrary number. Engineers define necessary maintenance based on test results, not a set number of hours. The issue is coming to a head because more frequent wildfires and planned power outages threaten to turn emergency generators into a regular part of a water district's operations in wildfire prone areas.

BB&K gave an end-of-session summary last month, but is happy to report that AB 1752 (Petrie-Norris) was signed on October 3rd. This is the bill that ensures South Coast Water District has continued access to Prop 1 funds for the Doheny Ocean Desalinization Project.

Administrative Report



BEST BEST & KRIEGER
ATTORNEYS AT LAW

Water affordability will remain the focus of significant regulatory efforts in direct and indirect means through the end of the year. At the forefront is the Office of Environmental Health Hazard Assessment's (OEHHA) initial draft of their mapping tool for determining water affordability. Water districts are concerned about the public's perception of water rates if the criteria being used doesn't account for differing water costs throughout the state, and different income levels and property values when evaluating whether or not water is affordable. The analysis also touches on water quality that raises a host of issues. For example, if the number of times a district exceeded MCL's for water quality over a set number of years is a factor, a district with three violations five years ago, and none since due to corrective action, will score worse than a district with two recent violations. All of this underscores what has been said a million times but still isn't heard—if it involves water, it's never simple.

Significant attention is turning to the regulatory efforts that threaten to trap water districts between conflicting goals. The Human Right to Water and prohibitions on water shutoffs, two give two examples, seek to make water more affordable, but efforts to make water safer cut in the opposite direction. One example is PFOS/PFAS regulations. If SWRCB follows through on public comments and lowers the response level for PFOS/PFAS to anything near the notification levels, significant sources of groundwater will become unavailable for drinking water use which will dramatically increase the cost of water. Some districts could literally see water costs doubling in order to purchase more imported water.

The SWCB is also developing an economic feasibility analysis tool to use when setting MCLs. The current effort involves MCLs for Chrome-6, but the SWRCB staff has indicated that the tool is being developed for use in setting any MCL. If so, how that tool works could have dramatic fiscal implications for both municipal entities and special districts. BB&K is currently organizing meetings with SWRCB members, key staff, and legislators to highlight these concerns.

The County of Orange Report

October 15, 2019
by Lewis Consulting Group

County Appoints New County Auditor

The Orange County Board of Supervisors on a 3-2 divided vote, named long-time agency employee Frank Davies to succeed Eric Woolery after his untimely death in August.

Frank Davies worked in the Auditor-Controller's office for over 30 years until his retirement in January 2018. His last position before his retirement was Chief of the Property Tax Division.

Ironically, Davies had sought the Auditor-Controller office in the election of 2014, but was handily defeated by Eric Woolery.



FRANK DAVIES

The appointment was not without controversy as it was unclear whether or not Davies had made an iron-clad commitment to serve out the remaining three years of the Woolery term. Should he not do so, the Board might need to go through a second appointment process. Perhaps an even more sensitive concern would be the Board might open itself up for criticism that they allowed pension spiking to take place.

Supervisor Don Wagner argued for a more transparent process, allowing for the vetting of multiple candidates. The majority was anxious for a smooth and quick transition.



Update

Auditor-Controller Debate Triggers Board Crack

The Board debate leading up to the selection process was about as "chippy" as it gets.

Quite obviously, Supervisor Do was simmering over a column penned by his colleague Don Wagner in a Voice of OC opinion piece. In the column, Wagner criticized his colleagues for preparing to vote on the appointment without having multiple applicants. He also praised the work done by deceased Auditor-Controller Eric Woolery.

As the debate became more agitated, Supervisor Do released information from a rather damning attendance report that confirmed in the months of May, June and July, Woolery went to his office for nine days. Do went on to criticize Senior Staff in the department who also missed numerous dates and routinely showed up hours late for work.

The only other comparable visible Board strain I remember that compares, was the somewhat common sparring that took place between former Supervisor Todd Spitzer and several colleagues, including Supervisor Do.

Perhaps the ill feelings were enhanced because both Supervisors Do and Wagner face tough re-election battles and in competitive races, neither likes to be criticized in print. The bitterness of their argument looked like it won't be patched up easily or quickly.



OC LAFCO met October 9, 2019 and held a short meeting devoid of controversy.

Under action items, LAFCO voted to hire CV Strategies to prepare a communications plan for the Agency. The contract calls for work to take place between now and April 2020 at the cost not to exceed \$12,100.

Under Executive Officer's Report, staff is currently working on five Regional Agency MSRs including MWDOC and OCSD. These are scheduled to come before the Commission by June 2020. The San Juan Capistrano application should be filed by December 2019 and come before the Commission by early spring 2020. Also, under the category of External Relations and Communications, staff is currently participating in workshops at SAWPA and RHNA (Regional Housing Needs Assessment). Some are wondering if this represents a first step to broaden the LAFCO mission.

P.P.I.C.'s Latest California Poll

On October 2, 2019, the Public Policy Institute of California released its most recent survey of Californians political attitudes.

The survey of 1,705 California adults was conducted from September 16-25, 2019. Of the 1,705 adults surveyed, 1,344 are registered voters and 1,031 of them are likely voters.

A survey of 1,705 adults in California yields a margin of error of +/- 3.2%.

Thinking about the state as a whole, what do this is the most important issue facing people in California today?

- 15% homelessness
- 15% jobs
- 11% housing costs, availability
- 9% immigration, illegal immigration
- 8% environment, pollution, global warming
- 6% government in general, problems with elected officials, parties
- 6% state budget, deficit, taxes
- 3% crime, gangs, drugs
- 3% education, schools, teachers
- 3% infrastructure
- 2% guns, gun control
- 2% water, drought
- 12% other
- 3% don't know

Do you think of yourself as closer to the Republican Party or Democratic Party?

- 21% Republican Party
- 46% Democratic Party
- 25% neither
- 8% don't know

[Democratic likely voters and independents who lean Democratic only]

If the March 3, 2020 Democratic primary for president were being held today, and these were the candidates, who would your vote for?

- 23% Elizabeth Warren
- 22% Joe Biden
- 21% Bernie Sanders
- 8% Kamala Harris
- 6% Pete Buttigieg
- 3% Andrew Yang
- 2% Cory Booker
- 2% Julian Castro
- 1% Amy Klobuchar
- 1% Beto O'Rourke
- 1% Tom Steyer
- 3% someone else
- 9% don't know

If the state ballot had a bond measure to pay for water infrastructure projects, would you vote yes or no?

- 68% yes
- 22% no
- 11% don't know

PPIC Statewide Survey
Californians and Their Government - Likely Voters - September 2019

	Likely voters	Party			Ideology			Region				
		Dem	Rep	Ind	Lib	Mod	Con	Central Valley	Inland Empire	Los Angeles	Orange/San Diego	SF Bay Area
Q13. If the state ballot had a bond measure to pay for water infrastructure projects, would you vote yes or no?	57%	73%	38%	57%	76%	59%	40%	57%	64%	56%	58%	55%
yes	31%	15%	52%	31%	13%	32%	49%	36%	29%	32%	32%	27%
no	12%	12%	10%	12%	9%	12%	6%	7%	12%	10%	19%	19%
(VOL) don't know	1026	416	288	275	332	287	385	162	108	255	188	223
Unweighted n												

	Gender		Race/Ethnicity			Age		Children in Household	
	Male	Female	Latinos	Whites	Other	18-44	45+	No	Yes
Q13. If the state ballot had a bond measure to pay for water infrastructure projects, would you vote yes or no?	56%	58%	68%	52%	65%	62%	54%	58%	55%
yes	34%	29%	24%	35%	25%	29%	32%	30%	34%
no	11%	12%	8%	13%	9%	8%	13%	12%	11%
(VOL) don't know	558	468	200	592	187	224	791	776	246
Unweighted n									

	High school only	Education			Annual Household Income			Nativity		Home Ownership	
		Some college education	College Graduate		<\$40k	\$40k-\$79k	\$80k+	Native	Naturalized	Own	Rent
Q13. If the state ballot had a bond measure to pay for water infrastructure projects, would you vote yes or no?	70%	53%	55%	68%	60%	52%	55%	71%	51%	67%	
yes	24%	34%	32%	26%	29%	34%	33%	20%	36%	24%	
no	6%	13%	13%	5%	11%	14%	12%	9%	12%	10%	
(VOL) don't know	156	275	593	233	267	413	887	139	708	288	
Unweighted n											

Note: Numbers may not add to 100 due to rounding
Fieldwork: September 16-25, 2019

As you may know, under Proposition 13, residential and commercial property taxes are both strictly limited. What if there was a state ballot measure to have commercial properties taxed according to their current market value and direct some of this new tax revenue to state funding for K-12 public schools. Would you vote yes or no?

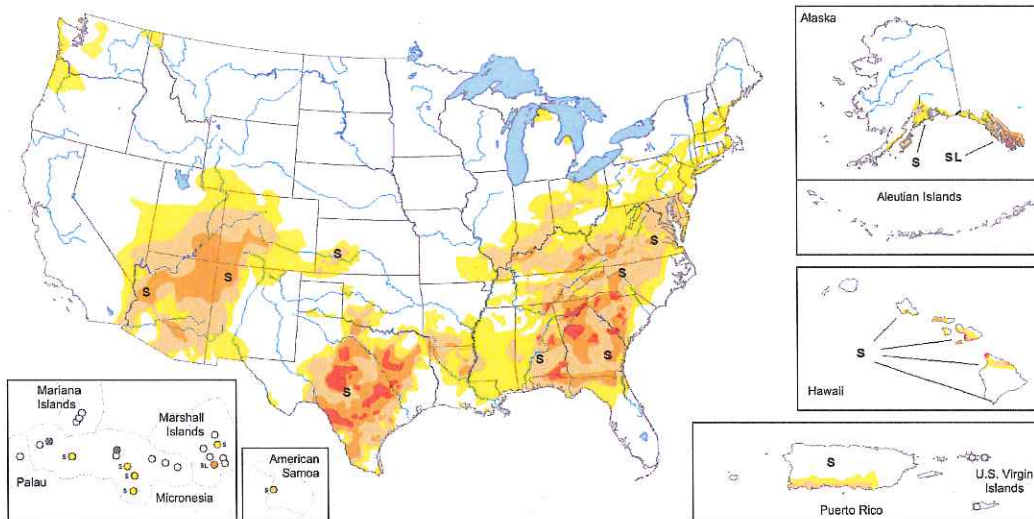
- 57% yes
- 34% no
- 9% don't know

California Still Celebrating Drought Busting Year

In the newly released October 10th drought map, California is nearly drought free. Three sections of the continental U.S.: Central Texas, the Four Corners area and the American Southeast are presently experiencing significant drought.

Map released: October 10, 2019

Data valid: October 8, 2019



Percent Area in U.S. Drought Monitor Categories

Show entries

Search:

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2019-10-08	63.19	36.81	20.39	7.57	1.20	0.00	66

State Reservoirs Still in Great Shape

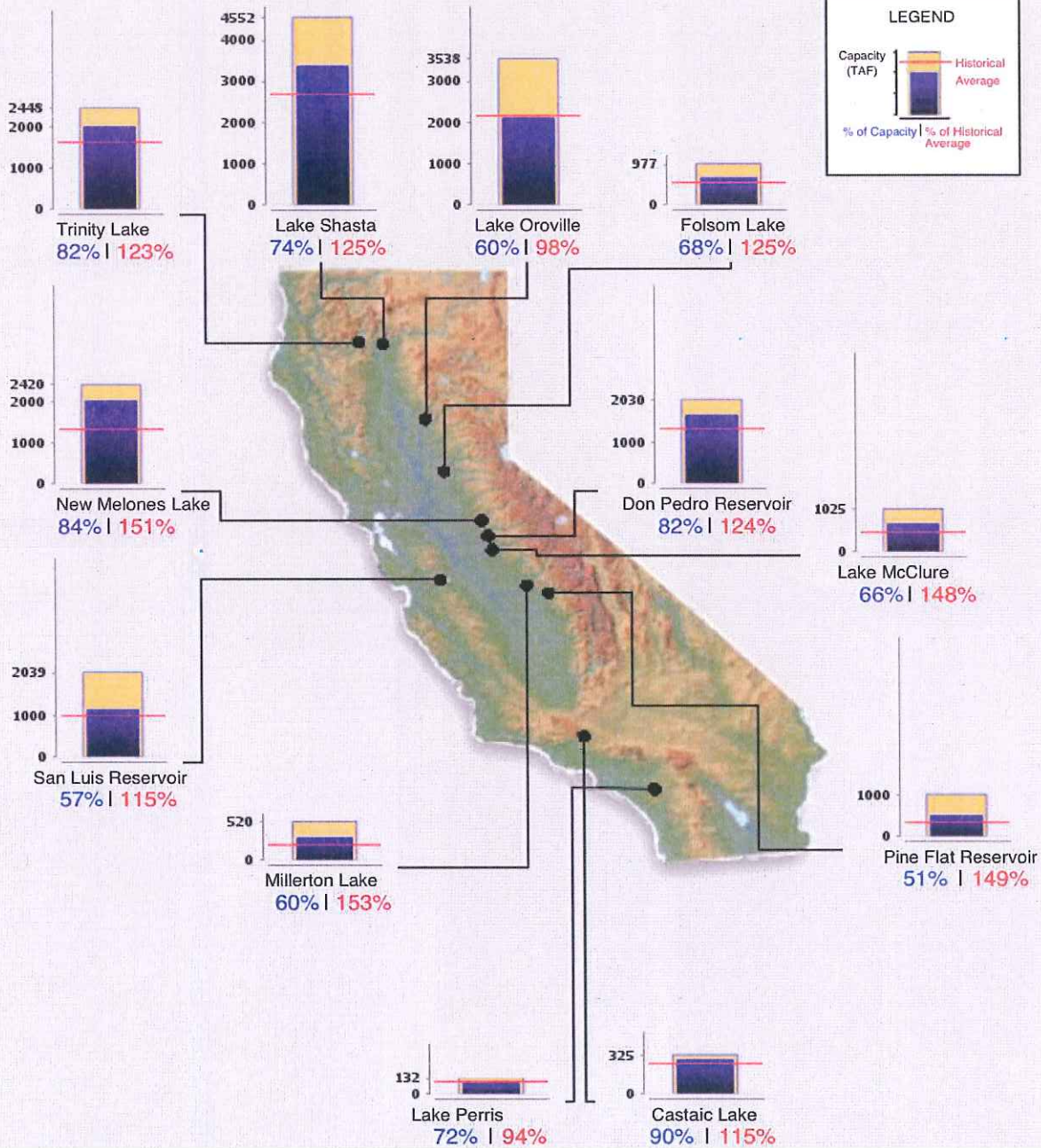
Of the twelve reservoirs featured in the weekly California Data Exchange Center map only two, Lake Oroville and Lake Perris, are below their historical levels for this time of year.



Reservoir Conditions

Ending At Midnight - October 13, 2019

CURRENT RESERVOIR CONDITIONS



MWDOC PAL Committee

Item 1e

Prepared by Best Best & Krieger LLP, October, 2019

A. Priority Support/Oppose

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 292	Quirk D	Recycled water: raw water and groundwater augmentation.	9/15/2019-Failed Deadline pursuant to Rule 61(a)(15). (Last location was INACTIVE FILE on 8/30/2019)(May be acted upon Jan 2020)	Current law requires the State Water Resources Control Board, on or before December 31, 2023, to adopt uniform water recycling criteria for direct potable reuse through raw water augmentation, as specified. Current law defines "direct potable reuse" and "indirect potable reuse for groundwater recharge" for these purposes. This bill would eliminate the definition of "direct potable reuse" and instead would substitute the term "groundwater augmentation" for "indirect potable reuse for groundwater recharge" in these definitions. The bill would revise the definition of "treated drinking water augmentation."	Support	A. Priority Support/Oppose	
AB 402	Quirk D	State Water Resources Control Board: local primacy delegation: funding stabilization program.	8/30/2019-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 8/12/2019)(May be acted upon Jan 2020)	The California Safe Drinking Water Act requires the State Water Resources Control Board to administer provisions relating to the regulation of drinking water to protect public health, including, but not limited to, conducting research, studies, and demonstration programs relating to the provision of a dependable, safe supply of drinking water, enforcing the federal Safe Drinking Water Act, adopting implementing regulations, and conducting studies and investigations to assess the quality of water in private domestic water supplies. This bill would authorize the state board to delegate partial responsibility for the act's administration and enforcement by means of a local primacy delegation agreement. The bill would authorize the state board,	Oppose unless amended	A. Priority Support/Oppose	

				for counties that have not been delegated primary responsibility as of January 1, 2020, to offer an opportunity for the county to apply for partial or primary responsibility if the state board determines that it needs assistance in performing administrative and enforcement activities, as specified.			
AB 756	Garcia, Cristina D	Public water systems: perfluoroalkyl substances and polyfluoroalkyl substances.	7/31/2019- Approved by the Governor. Chaptered by Secretary of State - Chapter 162, Statutes of 2019.	Would authorize the State Water Resources Control Board to order a public water system to monitor for perfluoroalkyl substances and polyfluoroalkyl substances. The bill would require a community water system or a nontransient noncommunity water system, upon a detection of these substances, to report that detection, as specified. The bill would require a community water system or a nontransient noncommunity water system where a detected level of these substances exceeds the response level to take a water source where the detected levels exceed the response level out of use or provide a prescribed public notification.	Watch	A. Priority Support/Oppose	
AB 1752	Petrie-Norris D	South Coast Water District.	10/3/2019- Approved by the Governor. Chaptered by Secretary of State - Chapter 500, Statutes of 2019.	Current law authorizes a district to make and perform any agreement with the state or any agency thereof, any public or private corporation of any kind, and any person for the joint construction, acquisition, disposition, or operation of any property or works of a kind that may be constructed, acquired, disposed of, or operated by the district. Current law authorizes a governmental agency to solicit proposals and enter into agreements with private entities for the design, construction, or reconstruction of, and to lease to private entities, specified types of fee-producing infrastructure projects. Current law prohibits a state agency or specified governmental agencies from using this authorization to design, construct, finance, or	Support	A. Priority Support/Oppose	

				operate a state project, as specified. This bill would specifically authorize the South Coast Water District to contract for the Doheny Ocean Desalination Project until January 1, 2025.			
ACA 3	Mathis R	Clean Water for All Act.	4/30/2019-In committee: Set, first hearing. Failed passage. Reconsideration granted.	This measure, the Clean Water for All Act, would additionally require, commencing with the 2021–22 fiscal year, not less than 2% of specified state revenues to be set apart for the payment of principal and interest on bonds authorized pursuant to the Water Quality, Supply, and Infrastructure Improvement Act of 2014; water supply, delivery, and quality projects administered by the department, and water quality projects administered by the state board, as provided.	Out for Analysis	A. Priority Support/Oppose	
SB 134	Hertzberg D	Water conservation: water losses: enforcement.	8/30/2019- Approved by the Governor. Chaptered by Secretary of State. Chapter 203, Statutes of 2019.	Current law requires the State Water Resources Control Board, no earlier than January 1, 2019, and no later than July 1, 2020, to adopt rules requiring urban retail water suppliers to meet performance standards for the volume of water losses. This bill would prohibit the board from issuing an information order, written notice, or conservation order to an urban retail water supplier that does not meet its urban water use objective if the board determines the urban retail water supplier is not meeting its urban water use objective solely because the volume of water loss exceeds the urban retail water supplier’s standard for water loss and the board is taking enforcement action against the urban retail water supplier for not meeting the performance standards for the volume of water losses.	Support	A. Priority Support/Oppose	
SB 200	Monning D	Drinking water.	7/24/2019- Approved by the Governor. Chaptered by Secretary of State. Chapter 120,	Would establish the Safe and Affordable Drinking Water Fund in the State Treasury to help water systems provide an adequate and affordable supply	Watch	A. Priority Support/Oppose	

			Statutes of 2019.	of safe drinking water in both the near and the long terms. The bill would authorize the State Water Resources Control Board to provide for the deposit into the fund of certain moneys and would continuously appropriate the moneys in the fund to the state board for grants, loans, contracts, or services to assist eligible recipients.			
SB 204	Dodd D	State Water Project: contracts.	7/10/2019-Failed Deadline pursuant to Rule 61(a)(10). (Last location was W.,P. & W. on 6/6/2019)(May be acted upon Jan 2020)	Would require the Department of Water Resources to provide at least 10 days' notice to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature before holding public sessions to negotiate any potential amendment of a long-term water supply contract that is of projectwide significance with substantially similar terms intended to be offered to all contractors. The bill would require the department, before the execution of a specified proposed amendment to a long-term water supply contract and at least 60 days before final approval of such an amendment, to submit to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature certain information regarding the terms and conditions of a proposed amendment of a long-term water supply contract and to submit a copy of the long-term contract as it is proposed to be amended.	Watch	A. Priority Support/Oppose	Amended to remove mandatory hearings
SB 205	Hertzberg D	Business licenses: stormwater discharge compliance.	10/2/2019- Approved by the Governor. Chaptered by Secretary of State. Chapter 470, Statutes of 2019.	Would require, when applying to a city or a county for an initial business license or business license renewal, a person who conducts a business operation that is a regulated industry to demonstrate enrollment with the NPDES permit program by providing specified information, under penalty of perjury, on the application, including, among other things, the Standard Industrial Classification Code	Watch	A. Priority Support/Oppose	

				for the business. The bill would apply to all applications for initial business licenses and business license renewals submitted on and after January 1, 2020.			
SB 307	Roth D	Water conveyance: use of facility with unused capacity.	7/31/2019- Approved by the Governor. Chaptered by Secretary of State. Chapter 169, Statutes of 2019.	Current law prohibits the state or a regional or local public agency from denying a bona fide transferor of water from using a water conveyance facility that has unused capacity for the period of time for which that capacity is available, if fair compensation is paid for that use and other requirements are met. This bill would, notwithstanding that provision, prohibit a transferor of water from using a water conveyance facility that has unused capacity to transfer water from a groundwater basin underlying desert lands, as defined, that is in the vicinity of specified federal lands or state lands to outside of the groundwater basin unless the State Lands Commission, in consultation with the Department of Fish and Wildlife and the Department of Water Resources, finds that the transfer of the water will not adversely affect the natural or cultural resources of those federal or state lands, as provided.	Opposition	A. Priority Support/Oppose	
SB 414	Caballero D	Small System Water Authority Act of 2019.	8/30/2019-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 8/21/2019)(May be acted upon Jan 2020)	Would create the Small System Water Authority Act of 2019 and state legislative findings and declarations relating to authorizing the creation of small system water authorities that will have powers to absorb, improve, and competently operate noncompliant public water systems. The bill, no later than March 1, 2020, would require the state board to provide written notice to cure to all public agencies, private water companies, or mutual water companies that operate a public water system that has either less than 3,000 service connections or that serves less		A. Priority Support/Oppose	In PAL Committee for consideration

				than 10,000 people, and are not in compliance, for the period from July 1, 2018, through December 31, 2019, with one or more state or federal primary drinking water standard maximum contaminant levels, as specified.			
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B. Watch

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 405	Rubio, Blanca D	Sales and use taxes: exemption: water treatment.	5/16/2019-Joint Rule 62(a), file notice suspended. In committee: Held under submission.	Would, on and after January 1, 2020, and before January 1, 2025, exempt from that Sales and Use Tax the gross receipts from the sale in this state of, and the storage, use, or other consumption in this state of, chemicals used by a city, county, public utility, and sanitation district to treat water, recycled water, or wastewater regardless of whether those chemicals or other agents become a component part thereof and regardless of whether the treatment takes place before or after the delivery to consumers.	Watch	B. Watch	
AB 441	Eggman D	Water: underground storage.	5/17/2019-Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. SUSPENSE FILE on 4/24/2019)(May be acted upon Jan 2020)	Under current law, the right to water or to the use of water is limited to that amount of water that may be reasonably required for the beneficial use to be served. Current law provides for the reversion of water rights to which a person is entitled when the person fails to beneficially use the water for a period of 5 years. Current law declares that the storing of water underground, and related diversions for that purpose, constitute a beneficial use of water if the stored water is thereafter applied to the beneficial purposes for which the appropriation for storage was made. This bill would instead provide that any diversion of water to underground storage constitutes a diversion of water for beneficial use for which an appropriation may be made if the diverted water is put to beneficial use, as specified.	Watch	B. Watch	

AB 591	Garcia, Cristina D	Central Basin Municipal Water District: board of directors.	7/30/2019- Approved by the Governor. Chaptered by Secretary of State - Chapter 124, Statutes of 2019.	The Municipal Water District Law of 1911 provides for the formation of municipal water districts and grants to those districts specified powers. Current law permits a district to acquire, control, distribute, store, spread, sink, treat, purify, recycle, recapture, and salvage any water for the beneficial use of the district, its inhabitants, or the owners of rights to water in the district. Current law requires the board of directors of the Central Basin Municipal Water District to be composed of 8 directors until the directors elected at the November 8, 2022, election take office, when the board would be composed of 7 directors, as prescribed. Current law requires the 3 directors appointed by the water purveyors, as specified, to live or work within the district and requires the term of an appointed director to be terminated if the appointed director no longer is employed by or a representative of the appointing entity. This bill would define representative for these purposes to be a consultant to or contractor of an entity, or a governing board member of a mutual water company.	Watch	B. Watch	Watch for potential amendments relating to membership allocation on MWD
AB 636	Gray D	State Water Resources Control Board: water quality objectives.	4/26/2019-Failed Deadline pursuant to Rule 61(a)(2). (Last location was E.S. & T.M. on 3/14/2019)(May be acted upon Jan 2020)	Would prohibit the State Water Resources Control Board from implementing water quality objectives for which the state board makes a certain finding relating to environmental quality until it has submitted the water quality objectives and a statement of that finding to the appropriate policy committees of the Legislature and each committee has held a hearing on these matters.	Watch	B. Watch	
AB 637	Gray D	State Water Resources Control Board: disadvantaged communities: drinking water.	5/17/2019-Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. SUSPENSE FILE on 5/1/2019)(May be acted upon Jan 2020)	Would require the State Water Resources Control Board, before taking an action that significantly impacts drinking water, to use existing information to identify impacted disadvantaged communities and to seek to reduce impacts to those	Watch	B. Watch	

				communities to the greatest extent practicable. The bill would also require the board to ensure that disadvantaged communities are provided an opportunity to participate in the public process for a decision that significantly impacts drinking water by holding a public hearing in or near an impacted community.			
AB 638	Gray D	Department of Water Resources: water storage: climate change impacts.	10/13/2019- Vetoed by Governor.	Current law requires the Department of Water Resources to gather and correlate information and data pertinent to an annual forecast of seasonal water crop, as specified. Current law also requires the department to update every 5 years the plan for the orderly and coordinated control, protection, conservation, development, and use of the water resources of the state, which is known as the California Water Plan. This bill would require the department, as part of the update to the California Water Plan every 5 years, to identify water storage facilities vulnerable to climate change impacts and the mitigation strategies for anticipated adverse impacts, as provided.	Watch	B. Watch	
AB 658	Arambula D	Water rights: water management.	10/9/2019- Approved by the Governor. Chaptered by Secretary of State - Chapter 678, Statutes of 2019.	Would authorize a groundwater sustainability agency or local agency to apply for, and the board to issue, a conditional temporary permit for diversion of surface water to underground storage for beneficial use that advances the sustainability goal of a groundwater basin, as specified.	Watch	B. Watch	
AB 841	Ting D	Drinking water: contaminants: perfluoroalkyl and polyfluoroalkyl substances.	7/10/2019-Failed Deadline pursuant to Rule 61(a)(10). (Last location was E.Q. on 5/29/2019)(May be acted upon Jan 2020)	Would require the Office of Environmental Health Hazard Assessment to adopt and complete a work plan within prescribed timeframes to assess which substances in the class of perfluoroalkyl and polyfluoroalkyl substances should be identified as a potential risk to human health, as provided. The bill would require the office, as part of those assessments, to determine which	Watch	B. Watch	

				of the substances are appropriate candidates for notification levels to be adopted by the state board. The bill would require the Office of Environmental Health Hazard Assessment, by January 1, 2022, to provide to the Legislature an update on the assessment.			
AB 955	Gipson D	Water replenishment districts: water system needs assessment program.	8/30/2019-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 8/12/2019)(May be acted upon Jan 2020)	Would authorize a water replenishment district, pursuant to an agreement with the State Water Resources Control Board, to offer to conduct a needs assessment program for water systems serving disadvantaged communities within the district, as specified. The bill would make a water system's participation in the program voluntary. The bill would authorize the district, upon completion of the needs assessment, to develop and evaluate options to address the findings and recommendations in the needs assessment and prepare an implementation plan for recommendation to the water system.	Watch	B. Watch	
AB 1204	Rubio, Blanca D	Public water systems: primary drinking water standards: implementation date.	4/26/2019-Failed Deadline pursuant to Rule 61(a)(2). (Last location was E.S. & T.M. on 3/11/2019)(May be acted upon Jan 2020)	Would require the adoption or amendment of a primary drinking water standard for a contaminant in drinking water not regulated by a federal primary drinking water standard or that is more stringent than a federal primary drinking water standard to take effect 3 years after the date on which the state board adopts or amends the primary drinking water standard. The bill would authorize the state board to delay the effective date of the primary drinking water standard adoption or amendment by no more than 2 additional years as necessary for capital improvements to comply with a maximum contaminant level or treatment technique.	Watch	B. Watch	
AB 1220	Garcia, Cristina D	Metropolitan water districts.	7/10/2019- Approved by the Governor. Chaptered by Secretary of State - Chapter 71, Statutes of 2019.	Under the Metropolitan Water District Act, the board of a metropolitan water district is required to consist of at least one representative from each member public agency, as prescribed. The act authorizes each member	Watch	B. Watch	

				public agency to appoint additional representatives not exceeding one additional representative for each 5% of the assessed valuation of property taxable for district purposes within the entire district that is within the boundaries of that member public agency. This bill would prohibit a member public agency from having fewer than the number of representatives it had as of January 1, 2019.			
AB 1414	Friedman D	Urban retail water suppliers: reporting.	9/5/2019- Approved by the Governor. Chaptered by Secretary of State - Chapter 239, Statutes of 2019.	Would require each urban retail water supplier to submit a completed and validated water loss audit report as prescribed by the Department of Water Resources on or before October 1 of each year until October 1, 2023, if reporting on a calendar year basis and on or before January 1 of each year until January 1, 2024, if reporting on a fiscal year basis. The bill would require on or before January 1, 2024, and on or before January 1 of each year thereafter, each urban retail water supplier to submit a completed and validated water loss audit report for the previous calendar year or previous fiscal year as part of an existing report relating to its urban water use.	Watch	B. Watch	
AB 1588	Gloria D	Drinking water and wastewater operator certification programs.	10/11/2019- Approved by the Governor. Chaptered by Secretary of State - Chapter 760, Statutes of 2019.	Current law requires the State Water Resources Control Board to issue a water treatment operator certificate and water distribution operator certificate by reciprocity to any person holding a valid, unexpired, comparable certification issued by another state, the United States, prescribed territories or tribal governments, or a unit of any of these. Current law requires the board to classify types of wastewater treatment plants for the purpose of determining the levels of competence necessary to operate them. This bill would require the board to evaluate opportunities to issue a water treatment operator certificate or water distribution	Watch	B. Watch	

				operator certificate by reciprocity, or a wastewater certificate by examination waiver, to persons who performed duties comparable to those duties while serving in the United States military, as specified.			
AB 1694	O'Donnel ID	San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy: territory: Dominguez Channel watershed and Santa Catalina Island.	8/30/2019-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 8/12/2019)(May be acted upon Jan 2020)	Current law establishes the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy in the Natural Resources Agency and prescribes the functions and duties of the conservancy with regard to the protection, preservation, and enhancement of specified areas of the Counties of Los Angeles and Orange located along the San Gabriel River and the lower Los Angeles River and tributaries along those rivers. Current law, for purposes of those provisions, defines "territory" to mean the territory of the conservancy that consists of those portions of the Counties of Los Angeles and Orange located within the San Gabriel River and its tributaries, the lower Los Angeles River and its tributaries, and the San Gabriel Mountains, as described. This bill would additionally include the Dominguez Channel watershed and Santa Catalina Island, as described, within that definition of territory.	Watch	B. Watch	
SB 1	Atkins D	California Environmental, Public Health, and Workers Defense Act of 2019.	9/27/2019-Vetoed by the Governor. In Senate. Consideration of Governor's veto pending.	Current state law regulates the discharge of air pollutants into the atmosphere. The Porter-Cologne Water Quality Control Act regulates the discharge of pollutants into the waters of the state. The California Safe Drinking Water Act establishes standards for drinking water and regulates drinking water systems. The California Endangered Species Act requires the Fish and Game Commission to establish a list of endangered species and a list of threatened species, and generally prohibits the taking of those species. This bill would, until January 20, 2025, require	Watch	B. Watch	

				specified agencies to take prescribed actions regarding certain federal requirements and standards pertaining to air, water, and protected species, as specified. By imposing new duties on local agencies, this bill would impose a state-mandated local program.			
SB 19	Dodd D	Water resources: stream gages.	9/27/2019- Approved by the Governor. Chaptered by Secretary of State. Chapter 361, Statutes of 2019.	Would require the Department of Water Resources and the State Water Resources Control Board, upon an appropriation of funds by the Legislature, to develop a plan to deploy a network of stream gages that includes a determination of funding needs and opportunities for modernizing and reactivating existing gages and deploying new gages, as specified. The bill would require the department and the board, in consultation with the Department of Fish and Wildlife, the Department of Conservation, the Central Valley Flood Protection Board, interested stakeholders, and, to the extent they wish to consult, local agencies, to develop the plan to address significant gaps in information necessary for water management and the conservation of freshwater species.	Watch	B. Watch	
SB 45	Allen D	Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020.	9/10/2019-Senate Rule 29.3(b) suspended. (Ayes 29. Noes 8.) From committee with author's amendments. Read second time and amended. Re-referred to Com. on APPR.	Would enact the Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$4,189,000,000 pursuant to the State General Obligation Bond Law to finance projects for a wildfire prevention, safe drinking water, drought preparation, and flood protection program.	Watch	B. Watch	

Total Measures: 28

Total Tracking Forms: 28

**Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p>AB 292 Quirk (D)</p> <p>Sponsor: WaterReuse California</p>	<p>Amended 6/20/2019</p> <p>2-Year Bill</p>	<p>Recycled water: raw water and groundwater augmentation. Would modernize definitions from AB 574 (Quirk, 2017), which Metropolitan supported. Seeks to further clarify terminology related to recycled water that more accurately reflects current uses and practices.</p>	<p>SUPPORT</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Providing outreach and education on process and benefits of recycled water is essential as California encourages increased development of recycled water supplies. AB 292 will help reduce confusion as water agencies work to increase public's comfort level with use of recycled water.</p>
<p>AB 296 Cooley (D)</p> <p>Sponsor: Author</p>	<p>Amended 8/30/2019</p> <p>VETOED</p>	<p>Climate Innovation Grant Program: voluntary tax contributions. Establishes the Climate Innovation Fund to provide grants for the development of new technologies that reduce greenhouse gas emissions or address climate change. This measure also authorizes voluntary tax contributions as a revenue source to support the Climate Innovation Fund.</p>	<p>SUPPORT</p> <p>Based upon Board action on 7/9/2019</p>	<p>The Metropolitan Board has formally adopted policies supporting research related to the effects of climate change on water supply and water quality. This measure provides funding to develop science-based climate adaptation technologies, inclusive of improving agricultural practices.</p>
<p>AB 409 Limón (D)</p> <p>Sponsor: California Climate and Agriculture Network</p>	<p>Amended 8/12/2019</p> <p>2-Year Bill</p>	<p>Climate Change: Agricultural Climate Adaptation Tools Program. Establishes a pilot program in the Central Valley, Central Coast and desert regions of the state where grant funding is available for the purposes of developing planning tools for adapting to climate change within the agricultural sector.</p>	<p>SUPPORT</p> <p>Based upon Board action on 7/9/2019</p>	<p>The Metropolitan Board has formally adopted policies supporting research related to the effects of climate change on water supply and water quality. This measure provides funding and guidance to support resilient agricultural practices.</p>
<p>AB 441 Eggman (D)</p> <p>Sponsor: Author</p>	<p>Amended 3/27/2019</p> <p>2-Year Bill</p>	<p>Water: underground storage. Provides that certain uses of stored water while underground will constitute a beneficial use.</p>	<p>OPPOSE</p> <p>Based upon past opposition to AB 647 (Eggman) from 2015/16 and AB 1427 (Eggman) from 2017/18</p>	<p>Fails to provide sufficient safeguards to ensure that permanent underground storage is implemented in a reasonable manner. Unchecked, diversion of water for underground storage, whether new or existing appropriation, may adversely impact other beneficial uses of water for fish and wildlife, recreation, commerce, or use by downstream diverter.</p>

Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p>AB 533 Holden (D)</p> <p>Sponsors: CA Water Efficiency Partnership, WaterNow Alliance, and Metropolitan</p>	<p>Amended 4/4/2019</p> <p>2-Year Bill</p>	<p>Income taxes: exclusion: water conservation or efficiency programs: turf removal water conservation program. Would exclude from gross income, under both personal and corporate income tax laws, amounts received as rebate, voucher, or other financial incentive issued by local water agency for participation in a turf removal water conservation program.</p>	<p>CO-SPONSOR</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Water providers need broad array of tools to increase participation in water use efficiency programs to further achieve water use savings. Utility-sponsored financial incentives are effective measures, and their appeal increases if rebates are excluded from taxable income.</p>
<p>AB 654 B. Rubio (D)</p> <p>Sponsors: California Municipal Utilities Association (CMUA) and California Special Districts Association (CSDA)</p>	<p>Introduced 2/15/2019</p> <p>2-Year Bill</p>	<p>Public records: utility customers: disclosure of personal information. Authorizes local agency to voluntarily release customer information to another governmental agency for scientific, research, or educational purposes, and if receiving agency agrees to maintain information as confidential.</p>	<p>SUPPORT</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Data sharing is state policy objective, with intent to improve decision making. Measure will facilitate voluntary exchange of customer data information for prescribed uses to further improve customer programs and projects, while providing protections to ensure information remains confidential.</p>
<p>AB 658 Arambula (D)</p> <p>Sponsor: Author</p>	<p>Amended 7/11/2019</p> <p>Enrolled</p>	<p>Water Rights: Water Management. Will facilitate groundwater storage during high flow times through an expedited temporary permit.</p>	<p>SUPPORT</p> <p>Based upon Board action on 4/9/19</p>	<p>Under the Water Code, surface water can be stored underground if it is subsequently removed for a beneficial use. AB 658 would create a temporary permit to store groundwater during high flow times. Metropolitan amendments were incorporated to ensure protection for existing water right holders, other beneficial uses, and the ability to meet water quality objectives.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;">AB 756 C. Garcia (D)</p> <p>Sponsor: Author</p>	<p style="text-align: center;">Amended 6/24/2019</p> <p style="text-align: center;">CHAPTERED</p>	<p>Public water systems: perfluoroalkyl substances and polyfluoroalkyl substances. Authorizes the State Water Resources Control Board to order a public water system to monitor for perfluoroalkyl substances and polyfluoroalkyl substances (PFAS) and report detection. If the detection level exceeds the response level, requires the public water system to take the water supply out of use or follow prescribed public notification requirements.</p>	<p style="text-align: center;">OPPOSE</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Under the Health and Safety Code, the State Water Resources Control Board follows a procedure to notify customers in case of a response level exceedance for all contaminants based on the nature of the exceedance and the urgency. AB 756 circumvents the current regulatory process and creates separate notification requirements specific to PFAS via mail, email, internet, and other additional postings that will confuse consumers about the quality of their drinking water.</p>
<p style="text-align: center;">AB 1180 Friedman (D)</p> <p>Sponsor: WaterReuse</p>	<p style="text-align: center;">Amended 6/18/2019</p> <p style="text-align: center;">CHAPTERED</p>	<p>Water: recycled water. Requires the State Water Resources Control Board to update the uniform statewide criteria for nonpotable recycled water uses by January 2023. Also, would update a policy handbook to allow the use of swivel or changeover devices to supply potable water to a dual-plumbed system during an interruption in recycled water service by January 2020.</p>	<p style="text-align: center;">SUPPORT</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>As California continues to incentivize and increase the use and access to recycled water supplies, proper regulations and guidance documents are necessary to ensure both public health protections and efficient and cost-effective means to establish dual-plumbed facilities.</p>
<p style="text-align: center;">AB 1194 Frazier (D)</p> <p>Sponsor: Delta Counties Caucus</p>	<p style="text-align: center;">Introduced 2/21/2019</p> <p style="text-align: center;">2-Year Bill</p>	<p>Sacramento-San Joaquin Delta: Delta Stewardship Council. Will increase membership of Delta Stewardship Council from seven members to 13 members, with all six proposed new members to represent in-Delta interests.</p>	<p style="text-align: center;">OPPOSE</p> <p>Based upon past opposition to AB 1876 (Frazier) from 2017/18</p>	<p>Fails to recognize the importance of statewide approach to advancing progress in Sacramento-San Joaquin Delta as encompassed in comprehensive package of reforms embedded in Delta Reform Act of 2009.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;">AB 1204 B. Rubio (D)</p> <p>Sponsor: Association of California Water Agencies (ACWA) and California Water Association (CWA)</p>	<p style="text-align: center;">Introduced 2/21/2019</p> <p style="text-align: center;">2-Year Bill</p>	<p>Public water systems: primary drinking water standards: implementation date. Requires State Water Resources Control Board (SWRCB) to allow water providers time to complete work required to comply with new Maximum Contaminant Levels (MCLs) without being found in violation. Proposes that any drinking water standards adopted or amended by SWRCB will only be effective three years after initial date of adoption. Also, grants SWRCB authority to allow up to two additional years to comply if capital improvements are needed.</p>	<p style="text-align: center;">SUPPORT</p> <p style="text-align: center;">Based upon Board- adopted 2019 State Legislative Priorities and Principles</p>	<p>Positive impact to Metropolitan and its member agencies as it would establish fair and reasonable compliance period similar to that of U.S. Environmental Protection Agency.</p>
<p style="text-align: center;">AB 1220 C. Garcia (D)</p> <p>Sponsor: Central Basin Municipal Water District</p>	<p style="text-align: center;">Amended 3/28/2019</p> <p style="text-align: center;">CHAPTERED</p>	<p>Metropolitan Water Districts. Amends Metropolitan Water District Act to set a floor where number of representatives would not drop below current level.</p>	<p style="text-align: center;">SUPPORT</p> <p style="text-align: center;">Based upon Board action on 3/12/19</p>	<p>Addresses potential loss of representation in densely-populated communities with slower relative increases in assessed property values.</p>
<p style="text-align: center;">AB 1580 Levine (D)</p> <p>Sponsor: Author</p>	<p style="text-align: center;">Amended 7/1/2019</p> <p style="text-align: center;">2-Year bill</p>	<p>Major infrastructure construction projects: oversight committees. Requires a state agency undertaking a publicly-funded infrastructure project of \$1 billion or more to form an oversight committee and develop a risk management plan to minimize cost overruns.</p>	<p style="text-align: center;">OPPOSE</p> <p style="text-align: center;">Based upon Board- adopted 2019 State Legislative Priorities and Principles</p>	<p>To the extent the bill is aimed at proposed Delta conveyance, it is duplicative of the Delta Conveyance Design and Construction Authority (DCA). At the direction of the Department of Water Resources, the DCA is tasked to provide oversight and risk management in order to protect the ratepayers who will pay for and benefit from the project.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p>AB 1588 Gloria (D)</p> <p>Sponsors: San Diego County Water Authority and Otay Water District</p>	<p>Amended 8/20/2019</p> <p>Enrolled</p>	<p>Drinking water and wastewater operator certification programs. This measure authorizes the State Water Resources Control Board to evaluate opportunities for providing certificate by reciprocity or certificate by examination waiver for properly qualified and experienced applicants with applicable military experience.</p>	<p>SUPPORT</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Would increase the number of certified water and wastewater operators by providing opportunities for qualified veterans. This measure is consistent with Metropolitan's own activities and support for the professional transition of individuals with applicable military experience into California's water workforce.</p>
<p>AB 1752 Petrie-Norris (D) Brough (R)</p> <p>Sponsor: South Coast Water District</p>	<p>Amended 8/12/2019</p> <p>CHAPTERED</p>	<p>South Coast Water District. Authorizes the South Coast Water District to contract for the Doheny Ocean Desalination Project as specified, and will facilitate the use of Proposition 1 funding approved for the project. The authorization is in existence until January 1, 2025.</p>	<p>SUPPORT</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Metropolitan is committed to diversifying its water portfolio through an Integrated Water Resources Plan that emphasizes conservation and development of local supplies. This bill would help advance a local water supply project.</p>
<p>AJR 8 Quirk (D)</p> <p>Sponsor: Author</p>	<p>Amended 6/4/2019</p> <p>CHAPTERED</p>	<p>Invasive species: Federal Nutria Eradication and Control Act of 2003. Requests that U.S. Congress add California to Nutria and Eradication and Control Act of 2003, and appropriate \$4 million for nutria eradication in California.</p>	<p>SUPPORT</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Invasive species create significant, long-term burdens that require significant investments to either control and/or eradicate. Presence of nutria within Delta represents significant threat to water supply and quality, and levee stabilization.</p>
<p>SB 1 Atkins (D)</p> <p>Sponsor: Author</p>	<p>Amended 9/10/2019</p> <p>VETOED</p>	<p>California Environmental, Public Health, and Workers Defense Act of 2019. Would prevent weakening of California environmental and worker safety standards that may result from weakening federal law during the tenure of the Trump Administration.</p>	<p>OPPOSE UNLESS AMENDED</p> <p>Based upon Board action on 6/11/19</p>	<p>Could have unnecessary and unintended consequences on State Water Project operations by locking in federal standards based on outdated science that was in place before January 2017. Limits opportunities for public input on decisions to lock in federal standards.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;">SB 19 Dodd (D)</p> <p>Sponsor: The Nature Conservancy</p>	<p style="text-align: center;">Amended 6/11/2019</p> <p style="text-align: center;">CHAPTERED</p>	<p>Water resources: stream gages. Requires Department of Water Resources and State Water Resources Control Board to develop plan to implement network of stream gages that includes determination of funding and opportunities to modernize existing network of gages, in consultation with other stakeholders.</p>	<p style="text-align: center;">SUPPORT</p> <p>Based upon past support for SB 919 (Dodd) from 2017/18</p>	<p>Currently no comprehensive or authoritative database on gage locations exists, and ability to link measurements to water quantity and water quality is essential for sound, informed water management decisions statewide. Metropolitan supported the Open and Transparent Water Data Act (AB 1755 Dodd, 2016), and improving gage data is consistent with purpose of Act.</p>
<p style="text-align: center;">SB 45 Allen (D)</p> <p>Sponsor: Author</p>	<p style="text-align: center;">Amended 9/10/2019</p> <p style="text-align: center;">Senate Appropriations Committee</p>	<p>Wildfire, Drought, and Flood Protection Bond Act of 2020. Would place a wildfire and water bond totaling \$4.189 billion on the 2020 ballot for voter approval.</p>	<p style="text-align: center;">SUPPORT AND AMEND</p> <p>Based upon Board action on 6/11/19</p>	<p>Would create statewide funding to restore areas damaged by wildfires, mitigate future wildfires, create healthy forests and watersheds, protect water supplies and water quality, and protect and restore rivers, streams and lakes. Amendments included funding for safe drinking water and recycled water projects, but no additional funding specifically to benefit the Voluntary Agreements for managing the Bay-Delta and the tributaries.</p>
<p style="text-align: center;">SB 62 Dodd (D)</p> <p>Sponsor: California Farm Bureau Federation</p>	<p style="text-align: center;">Amended 4/3/2019</p> <p style="text-align: center;">CHAPTERED</p>	<p>Endangered species: accidental take associated with routine and ongoing agricultural activities: state safe harbor agreements. Extends exemption from California Endangered Species Act (CESA) for accidental take of endangered species resulting from agricultural and ranching activities.</p>	<p style="text-align: center;">SUPPORT</p> <p>Based upon Board action on 3/12/19</p>	<p>Under CESA, farmers and ranchers are granted exemption from incidental take for accidentally taking or harming state-listed species during routine agricultural activities. Metropolitan's amendments incorporated to set a sunset date, require reporting, and clarify exemption applies to farmers and ranchers not public agencies.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p>SB 69 Wiener (D)</p> <p>Sponsors: California Coastkeeper Alliance and Pacific Coast Federation of Fishermen's Associations</p>	<p>Amended 7/11/2019</p> <p>2-year bill</p>	<p>Ocean Resiliency Act of 2019. Seeks to bolster the resilience of the state's marine and coastal environments to climate change and improve conditions for salmon and other commercially valuable species.</p>	<p>WATCH</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Would replace existing forestry, fishery and water quality regulatory processes with entirely different approaches in the hope of improving conditions for fish upstream of the Delta and in the ocean along the California coast.</p>
<p>SB 200 Monning (D) E. Garcia (D) Bloom (D)</p> <p>Sponsor: Authors</p>	<p>Amended 7/3/2019</p> <p>CHAPTERED</p>	<p>Drinking Water. Create the Safe and Affordable Drinking Water Fund and continuously appropriate \$130 million each year from the Greenhouse Gas Reduction Fund until 2030. Requires the State Water Resources Control Board (SWRCB) to develop a fund expenditure plan to identify failing water systems and provide assistance to those systems.</p>	<p>SUPPORT</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Policies and Support for SB 669 (Caballero) 2019</p>	<p>SB 200 would create a fund to help water systems in disadvantaged communities provide an adequate and affordable supply of safe drinking water in the near- and long- term. The funds can be used to support operations and maintenance, consolidation, replacement water, design and implementation of safe drinking water projects, and SWRCB administrative costs.</p>
<p>SB 204 Dodd (D)</p> <p>Sponsor: Delta Counties Caucus</p>	<p>Amended 5/17/2019</p> <p>2-Year Bill</p>	<p>State Water Project: contracts. Revises the notification requirements for pending State Water Project (SWP) contract negotiations and contract amendments. Additionally, requires the California Water Commission to review and report on the progress of the design, construction, and operation of any new Delta conveyance facility as a part of its annual review of the SWP.</p>	<p>WATCH</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Policies</p>	<p>Amendments adhere to the author's stated purpose and delete objectionable provisions related to the Delta Conveyance joint powers authorities. Bill provides for further transparency on any future amendments to State Water Project contracts as described in Water Code Section 147.6 (c) and construction of future Delta conveyance improvements.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;">SB 414 Caballero (D)</p> <p>Sponsor: Eastern Municipal Water District and California Municipal Utilities Association (CMUA)</p>	<p style="text-align: center;">Amended 6/25/2019</p> <p style="text-align: center;">2-Year Bill</p>	<p>Small System Water Authority Act of 2019. Authorizes State Water Resources Control Board (SWRCB) to merge small, non-noncompliant public water systems into regional water authority that will directly benefit from increased economies of scale and access to public financing.</p>	<p style="text-align: center;">SUPPORT</p> <p style="text-align: center;">Based upon past support for AB 2050 (Caballero) from 2017/18</p>	<p>As introduced, SB 414 sets deadline for small water systems to comply with safe drinking water standards or consolidate into regional authority managed by SWRCB-appointed contractor until water system achieves self-sufficiency, complies with drinking water standards, and can reliably provide access to safe drinking water.</p>
<p style="text-align: center;">SB 559 Hurtado (D)</p> <p>Sponsor: Friant Water Authority</p>	<p style="text-align: center;">Amended 7/3/2019</p> <p style="text-align: center;">2-Year Bill</p>	<p>Department of Water Resources: grant: Friant-Kern Canal. Seeks to address problems of land subsidence on the federally-owned Friant Kern Canal.</p>	<p style="text-align: center;">SUPPORT IF AMENDED</p> <p style="text-align: center;">Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Addresses land subsidence in the Central Valley but only focuses on impacts to the Friant-Kern Canal. Metropolitan seeking amendments to include the California Aqueduct experiencing problems of subsidence as well.</p>
<p style="text-align: center;">SB 669 Caballero (D)</p> <p>Sponsor: Association of California Water Agencies (ACWA) and California Municipal Utilities Association (CMUA)</p>	<p style="text-align: center;">Introduced 2/22/2019</p> <p style="text-align: center;">2-Year Bill</p>	<p>Water Quality: Safe Drinking Water Fund. Establishes irrevocable Safe Drinking Water Trust as a perpetual source of funding to assist chronically noncompliant community water systems in disadvantaged communities gain access to safe drinking water.</p>	<p style="text-align: center;">SUPPORT</p> <p style="text-align: center;">Based upon Board action 3/12/2019</p>	<p>Would create Water Trust funded by general fund appropriation during surplus years. Earnings from Trust would be continuously appropriated to Safe Drinking Water Fund administered by State Water Resources Control Board to assist chronically noncompliant community water systems in disadvantaged communities achieve self-sufficiency.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
October 7, 2019**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;">SB 785 Senate Natural Resources and Water Committee</p> <p style="text-align: center;">Sponsor: Committee</p>	<p style="text-align: center;">Amended 9/3/2019</p> <p style="text-align: center;">CHAPTERED</p>	<p>Public resources: parklands, freshwater resources, and coastal resources. Committee omnibus bill to extend current sunset date for requirement and enforcement of quagga control plans, and qualified liability coverage for agencies that are compliant with approved control plan.</p>	<p style="text-align: center;">SUPPORT</p> <p style="text-align: center;">Based upon Board adopted 2019 State Legislative Priorities and Principles</p>	<p>Would extend current sunset date from January 1, 2020, to January 1, 2030, for requiring quagga mussel control plans and ensuring extension of qualified immunity for operators of water delivery and storage facilities.</p>

ETWD Public Education and Outreach Report

October 24, 2019

The following provides an update on the education and outreach ETWD is developing or has completed.

Drought Log

Customer Service continues to update the drought response log. This includes phone calls, walk-ins and emails regarding water waste complaints and ETWD's permanent mandatory conservation measure inquiries. There was one water waste complaints for the month of September for excessive runoff.

Messaging/Materials

The customer October/November bill message: "El Toro Water District's online bill pay system provides customers access to their water bill 24 hours a day, 7 days a week. Please visit <https://etwd.com/view-pay-yourbill/> for more information."

Laguna Woods Village Television Channel 6

Director Kay Havens will present on LWV TV-6 October 25, 2019.

Community Events

September 28, 2019 – UC ANR Urban Living Education Expo

ETWD staff hosted a booth and distributed water with the ETWD water trailer at the UC ANR Urban Living Education Expo at the UC ANR South Coast Research and Extension Center in Irvine.





Community Event Schedule:

October 19, 2019 – South County Disaster Expo

ETWD staff will host a booth and distribute water with the ETWD water trailer at the 11th Annual South County Disaster Preparedness Expo on October 19, 2019 from 9:00 am to 12:00 pm at the Village Green at the Norman Murray Community and Senior Center, 24932 Veterans Way in Mission Viejo.

October 28, 2019 – Dana Point Harbor/Chairwoman Bartlett 50 Year Time Capsule Celebration

ETWD directors and staff will attend the public event from 3:00 p.m. to 5:00 pm. and will participate by submitting a current District newsletter that will be inserted into the time capsule.

October 29, 2019 – H2O for HOAs

ETWD is partnering with local cities and water agencies again this year to put on the H2O for HOAs educational and networking event for HOA board members, property managers and professional landscapers. The event will be held at the Laguna Hills Community Center, 25555 Alicia Pkwy, Laguna Hills, CA 92653 from 8:00 am to 11:30 am. Topics this year include protecting your watershed, water efficiency resources and rebates, landscape design for HOAs, irrigation maintenance for large landscapes and HOA assistance case studies.

Saturday, December 14, 2019 - Lake Forest 3rd Annual Elf Yourself 5K

ETWD will sponsor the event by providing the emergency drinking water trailer for the event and staff will distribute water to participants. The event starts at 9:00 a.m.

January 11, 2020 – Girl Scout Water Resources and Conservation Patch Program

ETWD will host the MWDOC and Girl Scouts of Orange County Girl Scout Water Resources and Conservation Patch Program at the ETWD Water Recycling Plant on Saturday, January 11, 2020 from 9:00 am – 11:00 am.

**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
October 24, 2019**

REBATE PROGRAMS

The following tables are the current device rebate amounts for MET, MWDOC and ETWD for the fiscal year 2019/20 from July 1st through June 30th.

Select device purchases are eligible for rebates while devices meet eligibility requirements and while funding lasts. The rebate process is completed online through www.ocwatersmart.com. Customers without computer access can call 888-376-3314 to apply.

1) Residential Rebate Program:

Device	MET Rebate	MWDOC Grant	ETWD Rebate	Total Rebate (up to)
High Efficiency Clothes Washer (CEE tier one or better)	\$85		\$115	\$200
Premium High Efficiency Toilet (4 liter)	\$40		\$60	\$100
Rotating Sprinkler Nozzles (min 30 per home)	\$2 ea		\$1	\$3
Smart Irrigation Timer	\$80	\$100	\$100	\$280
Turf Removal Program (up to 5,000 sq ft)*	\$1 sq. ft.	\$2 sq. ft.		\$3 sq. ft.
Soil Moisture Sensor System <1 Acre >1 Acre	\$80 \$35/station	\$100	\$100	\$280 \$35/station
Rain Barrels Cisterns (200 -500 gallon) (501-999 gallon) (1,000 gallon or more)	\$35 \$250 \$300 \$350		\$15	\$50 \$250 \$300 \$350
Drip Irrigation (per kit and up to 5 kits)		\$90 base plus \$85		\$175 per kit

*Designated recycled water sites are not eligible for turf removal rebates. MWDOC Grant funding based on availability.

2) Commercial Plumbing/Irrigation Devices Rebate Program:

Device	MET Rebate	MWDOC Grant	ETWD Rebate	Total Rebate (up to)
Premium High Efficiency Toilet (4 liter)	\$40			\$40
Multi-family Premium High Efficiency Toilet (4 liter)	\$40			\$40
Zero Water/Ultra Low Water Urinal	\$200			\$200
Plumbing Flow Control Valve (min. 10)	\$5			\$5
Smart Irrigation Timer (weather based or central computer)	\$35/station			\$35/station
Rotating Sprinkler Nozzles (minimum quantity of 15)	\$2		\$1	\$3
Rotating Nozzles – Large Rotary	\$13			\$13
Turf Removal Program (up to 50,000 sq ft)*	\$1 sq. ft	\$2 sq. ft.		\$3 sq. ft.
Drip Irrigation (sq. ft.)(maximum 45,000 sq. ft)		\$0.20 sq. ft.		\$0.20 sq. ft.
Soil Moisture Sensor System	\$35/station	\$15/station		\$50/station

*Designated recycled water sites are not eligible for turf removal rebates.

Additional commercial rebates available online at ocwatersmart.com. MWDOC Grant funding based on availability.

WATER USE EFFICIENCY PLAN UPDATE (WATER CONSERVATION PLAN)

The District Water Budget-Based Tiered Conservation Rate Structure (WBBTCRS) pricing structure is the primary plan that gives customers the incentive needed to be efficient. The Plan efforts initially will concentrate on those customers continually in the Inefficient and Excessive Tiers (Tiers 3 and 4). [As of August 2019 year-to-date sales, residential accounted for 59% of the overall Tier 3 usage and dedicated irrigation accounted for 54% of Tier 4 usage.](#)

TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

Included in this month's Conservation Report is a chart comparing the current fiscal year 2018/19 consumption and ET factor to the fiscal 2017/18 consumption and ET factor. [The ET factor decreased 1% from September 2018 when compared to September 2019. There was a 5% decrease in consumption reflected in September 2019.](#)

**MWDOC's—WATER USE EFFICIENCY PROGRAMS SAVINGS AND
IMPLEMENTATION REPORT / ETWD's—WATER USE EFFICIENCY PROGRAM
SAVINGS REPORT**

The Water Use Efficiency Program Savings for September were not available from MWDOC this month, therefore the MWDOC and ETWD's Program Savings Reports are not attached.

**By: Sherri Seitz
Date: October 17, 2019**

I hereby certify that the following Agenda was posted at least 72 hours prior to the time of the Board Meeting so noticed below, at the usual agenda posting location of the South Orange County Wastewater Authority [SOCWA] and at www.socwa.com.



Betty Burnett, General Manager
SOCWA and the Board of Directors thereof

AGENDA

Regular Meeting of The South Orange County Wastewater Authority Board of Directors

October 3, 2019
8:30 a.m.

THE BOARD OF DIRECTORS MEETING ROOM IS LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA. THE ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY-RELATED ACCOMMODATIONS (I.E., ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.), PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY'S OFFICE AT 949-234-5421 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN AN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA OF THE AUTHORITY OFFICE AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE BOARD OF DIRECTORS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE BOARD OF DIRECTORS MEETING ROOM.

1. CALL MEETING TO ORDER
2. PLEDGE OF ALLEGIANCE
3. ORAL COMMUNICATIONS

A. Members of the public may address the board regarding an item on the agenda or may reserve this opportunity during the meeting at the time the item is discussed by the board. There will be a three-minute limit for public comments.

AGENDA
 South Orange County Wastewater Authority
 Board of Directors Meeting
 October 3, 2019

4. CONSENT CALENDAR

A. Resolution No. 2019-05, Commendation for Brian Peck..... 1

ACTION The Board will be requested to approve Resolution No. 2019-05 and authorize Chairman Ferons to sign the Commendation for Mr. Peck on behalf of the Board of Directors of the South Orange County Wastewater Authority.

B. Financial Matters

- 1) Budget vs. Actual Financial Reports for the fiscal year ended June 30, 2019:
 - 1) Capital Schedule (Exhibit D) 4
 - Capital Project – Graph (Exhibit D-1) 5
 - 2) Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1) 6
 - Operations and Environmental by PC (Exhibit E-1.2)..... 8
 - Residual Engineering, after transfer to Capital (Exhibit E-2) 15
 - Administration (Exhibit E-3) 16
 - Information Technology (IT) (Exhibit E-4)..... 17

ACTION The Board of Directors will be requested to receive and file the June 2019 Financial Reports as submitted.

C. Operational Reports – August 2019

- 2) Monthly Operations Report – August 2019 19
- 3) Ocean Outfall Discharges 28
- 4) Beach/Ocean Monitoring Report 30
- 5) Recycled Water Report 51
- 6) Pretreatment Report – August and September 2019 56

ACTION The Board will be requested to receive and file the August and September 2019 Operations Reports.

D. Minutes of Engineering Committee Meeting(s)

- 1) Engineering Committee July 18, 2019 60
- 2) Engineering Committee August 15, 2019..... 65

ACTION The Board will be requested to receive and file subject Minutes.

E. Capital Improvement Program

- 1) Status Report(s) 70

ACTION The Board will be requested to receive and file report(s).

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
October 3, 2019

5. ENGINEERING MATTERS

A. Project Committee No. 2

- 1) Award of Engineering Services for the JB Latham Treatment Plant Electrical System..... 83

ACTION The Project Committee No. 2 Board will be requested to approve the award of the engineering services contract to Hazen & Sawyer at a fee of \$199,546.

- 2) Award of Engineering Services for JB Latham Treatment Plant Hydraulic Modeling and Flow Management Study 100

ACTION The Project Committee No. 2 Board will be requested to approve the award of the engineering services contract to Carollo Engineers at a fee of \$152,971.

- 3) Award of Engineering Services for JB Latham Treatment Plant Centrate System Final Design 115

ACTION The Project Committee No. 2 Board will be requested to approve the award of the engineering services contract to Kleinfelder at a fee of \$152,360.

B. Project Committee(s) 5, 17, and 24

- 1) Award of Program and Construction Management Services for SOCWA's Fiscal Year 2019/2020 Capital Improvement Program 137

ACTION The Project Committees No. 5, 17, and 24 Board will be requested to approve the award of the program and construction services to Dudek at a fee of \$256,545.

6. GENERAL MANAGER'S REPORTS

- A. FY2018-19 Annual Financial Statements Audit, Use Audit and Cash Roll Forward Update 156

ACTION The Board will be requested to receive and file the report.

- B. General Manager's Status Report..... 168

ACTION Information item

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
October 3, 2019

C. Monthly Progress Report on State Audit Recommendations 175

ACTION Information item

7. CLOSED SESSION

A. Closed Session Pursuant to Government Code § 54957.6 Conference with Labor Negotiators:

SOCWA Designated Representative: Betty Burnett, General Manager;
Brad Neufeld, Labor Counsel

Employee Organization: SOCWA Employee's Association

OTHER MATTERS

A. Open discussion or items received too late to be agendized.

Note: Determine the need to take action on the following item(s) introduced by the General Manager which arose subsequent to the agenda being posted.

[Adoption of this action requires a two-thirds vote of the Board, or if less than two-thirds are present a unanimous vote.]

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
NOVEMBER 7, 2019

**NOTICE OF REGULAR MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
ENGINEERING COMMITTEE**

October 10, 2019

8:30 a.m.

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee has been scheduled to be held on **October 10, 2019**, at **8:30 a.m.** at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

THE SOCWA MEETING ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS (J.E., ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.) PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5421 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSEABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ENGINEERING COMMITTEE IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE ENGINEERING COMMITTEE ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE ENGINEERING COMMITTEE LESS THAN 72 HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA OF THE AUTHORITY OFFICE AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE ENGINEERING COMMITTEE MEMBERS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE ENGINEERING COMMITTEE MEETING ROOM.

AGENDA

- 1. Call Meeting to Order**
- 2. Public Comments**

PERSONS WISHING TO ADDRESS THE ENGINEERING COMMITTEE ON MATTERS NOT LISTED ON THE AGENDA MAY DO SO AT THIS TIME. "REQUEST TO BE HEARD" FORMS ARE AVAILABLE AT THE ENTRANCE TO THE BOARD ROOM. COMMENTS ARE LIMITED TO THREE (3) MINUTES UNLESS FURTHER TIME IS GRANTED BY THE PRESIDING OFFICER. SUBMIT FORM TO THE CLERK OF THE BOARD PRIOR TO THE BEGINNING OF THE MEETING.

THOSE WISHING TO ADDRESS THE ENGINEERING COMMITTEE ON ANY ITEM LISTED ON THE AGENDA SHOULD SUBMIT A "REQUEST TO BE HEARD" FORM TO THE CLERK OF THE BOARD BEFORE THE PRESIDING OFFICER ANNOUNCES THAT AGENDA ITEM. YOUR NAME WILL BE CALLED TO SPEAK AT THAT TIME.

NOTICE OF ENGINEERING COMMITTEE

October 10, 2019

Page 2 of 2

3. SOCWA Innovative Biosolids Technical Advisory Committee Review (Project Committees 2 and 17)

Recommendation:

Information Item

Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Engineering Committee at least 72 hours prior to the scheduled time of the Regular Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 72 hours prior to the time of the above-referenced Engineering Committee at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 3rd day of October 2019.



Betty C. Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
October 2, 2019, 8:30 a.m.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC PARTICIPATION/COMMENTS

At this time members of the public will be given an opportunity to address the Board concerning items within the subject matter jurisdiction of the Board. Members of the public may also address the Board about a particular Agenda item at the time it is considered by the Board and before action is taken.

The Board requests, but does not require, that members of the public who want to address the Board complete a voluntary "Request to be Heard" form available from the Board Secretary prior to the meeting.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize item(s), which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present or, if less than two-thirds of the Board members are present, a unanimous vote.)

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 agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection in the lobby of the District's business office located at 18700 Ward Street, Fountain Valley, California 92708, during regular business hours. When practical, these public records will also be made available on the District's Internet Web site, accessible at <http://www.mwdoc.com>.

(NEXT RESOLUTION NO. 2089)

PRESENTATION/DISCUSSION/INFORMATION ITEMS

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

Recommendation: Receive input and discuss the information.

2. PRESENTATION REGARDING MET'S MID-CYCLE BIENNIAL BUDGET REVIEW

Recommendation: Review and discuss the information presented.

3. WATER SUPPLY UPDATE AND STORAGE LEVELS

Recommendation: Review and discuss the information presented.

4. DELTA CONVEYANCE PROJECT ACTIVITIES UPDATE

Recommendation: Review and discuss the information presented.

5. MET ITEMS CRITICAL TO ORANGE COUNTY (The following items are for informational purposes only – a write up on each item is included in the packet. Discussion is not necessary unless requested by a Director)

- a. MET's Water Supply Conditions
- b. MET's Finance and Rate Issues
- c. Colorado River Issues
- d. Bay Delta/State Water Project Issues
- e. MET's Ocean Desalination Policy and Potential Participation in the Doheny and Huntington Beach Ocean (Poseidon) Desalination Projects
- f. South County Projects

Recommendation: Review and discuss the information presented.

6. METROPOLITAN (MET) BOARD AND COMMITTEE AGENDA DISCUSSION ITEMS

- a. Summary regarding September Board Meeting
- b. Review items of significance for MET Board and Committee Agendas

Recommendation: Review and discuss the information presented.

ADJOURNMENT

Note: Accommodations for the Disabled. Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by 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 accommodations should make the request with adequate time before the meeting for the District to provide the requested accommodations.

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

Jointly with the

ADMINISTRATION & FINANCE COMMITTEE

October 9, 2019, 8:30 a.m.

Conference Room 101

A&F Committee:

J. Thomas, Chair
J. Finnegan
R. McVicker

Staff: R. Hunter, K. Seckel, J. Berg,
H. De La Torre, K. Davanaugh, C. Harris,
H. Chumpitazi

Ex Officio Member: Director Barbre

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 – September 2019
 - b. Disbursement Approval Report for the month of October 2019
 - c. Disbursement Ratification Report for the month of September 2019
 - d. GM Approved Disbursement Report for the month of September 2019
 - e. Water Use Efficiency Projects Cash Flow – September 30, 2019
 - f. Consolidated Summary of Cash and Investment – August 2019
 - g. OPEB and Pension Trust Fund monthly statement
2. FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the Period ending August 31, 2019

ACTION ITEMS

3. HEALTH SAVINGS ACCOUNT ELECTIONS FOR 2020

4. SDRMA RESOLUTION
5. APPROVE FUEL CARD FOR SHARED SERVICES
6. APPROVAL OF REVISED PERSONNEL MANUAL
7. ELECTRICAL SYSTEM REHABILITATION PROJECT – AVRAM CONTRACT - CHANGE ORDERS 4 & 5
8. AUTHORIZE ATTENDANCE AT THE PUBLIC POLICY INSTITUTE’S “PREPARING CALIFORNIA’S WATER SYSTEM FOR CLIMATE EXTREMES” SYMPOSIUM, NOVEMBER 5, 2019, SACRAMENTO

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.)

9. HEALTH BENEFIT RATES FOR 2020
10. DISPOSAL OF FIXED ASSETS
11. CALPERS ANNUAL VALUATION REPORT AS OF JUNE 30, 2018
12. DEPARTMENT ACTIVITIES REPORTS
 - a. Administration
 - b. Finance and Information Technology
13. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

OTHER ITEMS

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

CLOSED SESSION ITEMS

15. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9: One case

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.

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

Jointly with the

PLANNING & OPERATIONS COMMITTEE

October 14, 2019, 8:30 a.m.

Conference Room 101

P&O Committee:

Director Yoo Schneider, Chair
Director Tamaribuchi
Director Dick

Staff: R. Hunter, K. Seckel, J. Berg,
H. De La Torre, K. Davanaugh,
D. Harrison

Ex Officio Member: Director Barbre

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)

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

1. WATER CONSERVATION STANDARDS IMPLEMENTATION UPDATE
2. UPDATE ON AMERICAS WATER INFRASTRUCTURE ACT (AWIA) CONTRACT WITH HERNDON SOLUTIONS GROUP
3. UPDATE ON STATUS OF ORANGE COUNTY AGENCIES ABILITY TO WITHSTAND A 7-DAY SHUTDOWN OF THE DIEMER PLANT IN MARCH 2020
4. SECOND LOWER CROSS FEEDER

5. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects

6. REVIEW OF ISSUES RELATED TO CONSTRUCTION PROGRAMS, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

ADJOURNMENT

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

Accommodations for the Disabled. Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Maribeth Goldsby, District Secretary, at (714) 963-3058, or writing to Municipal Water District of Orange County at P.O. Box 20895, Fountain Valley, CA 92728. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
October 16, 2019, 8:30 a.m.

AGENDA

MOMENT OF SILENCE

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

At this time, members of the public will be given an opportunity to address the Board concerning items within the subject matter jurisdiction of the Board. Members of the public may also address the Board about a particular Agenda item at the time it is considered by the Board and before action is taken. If the item is on the Consent Calendar, please inform the Board Secretary before action is taken on the Consent Calendar and the item will be removed for separate consideration.

The Board requests, but does not require, that members of the public who want to address the Board complete a voluntary "Request to be Heard" form available from the Board Secretary prior to the meeting.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize items(s) which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present, or, if less than two-thirds of the Board members are present, a unanimous vote of those members present.)

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

Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection in the lobby of the District's business office located at 18700 Ward Street, Fountain Valley, California 92708, during regular business hours. When practical, these public records will also be made available on the District's Internet Web site, accessible at <http://www.mwdoc.com>.

PRESENTATION BY CALIFORNIA SPECIAL DISTRICTS ASSOCIATION

RECOGNITION OF THE PUBLIC AFFAIRS DEPARTMENT

NEXT RESOLUTION NO. 2089

CONSENT CALENDAR (Items 1 to 8)

(All matters under the Consent Calendar will be approved by one motion unless a Board member requests separate action on a specific item)

1. MINUTES

- a. September 4, 2019 Workshop Board Meeting
- b. September 18, 2019 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: September 3, 2019
- b. Administration & Finance Committee Meeting: September 11, 2019
- c. Public Affairs & Legislation Committee Meeting: September 16, 2019
- d. Executive Committee Meeting: September 19, 2019

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of September 30, 2019
- b. MWDOC Disbursement Registers (September/October)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of August 31, 2019
- d. PARS Monthly Statement (OPEB Trust)
- e. Water Use Efficiency Projects Cash Flow

Recommendation: Receive and file as presented.

4. FINANCIAL REPORT

- a. Combined Financial Statements and Budget Comparative for the Period ending August 31, 2019

Recommendation: Receive and file as presented.

5. AUTHORIZE NEW CREDIT FOR US BANK VOYAGER FLEET FUEL CARDS

Recommendation: Authorize staff to secure a US Bank Voyager Fleet fuel credit card account for the Shared Services Water Loss Control program with a credit limit of \$5,000, and authorize the amendment to Administrative Code Section 2205 (MWDOC Credit Card Advance of Funds) to reflect that future credit card applications and credit card limit authorizations shall be within the authority of the General Manager (rather than Board).

6. ELECTRICAL SYSTEM REHABILITATION PROJECT – AVRAM CONTRACT – CHANGE ORDERS 4 & 5

Recommendation: Approve two change orders to the Avram contract for the Electrical System Rehabilitation Project which are outside of the original scope of work in the amount of \$11,760.00.

7. AUTHORIZE ATTENDANCE AT THE PUBLIC POLICY INSTITUTE'S "PREPARING CALIFORNIA'S WATER SYSTEM FOR CLIMATE EXTREMES" SYMPOSIUM, NOVEMBER 5, 2019, SACRAMENTO

Recommendation: Authorize attendance at the "Preparing California's Water System for Climate Extreme's symposium on November 5, 2019 in Sacramento.

8. HEALTH SAVINGS ACCOUNT ELECTIONS FOR 2020

Recommendation: Approve annual 2020 Health Savings Account (HSA) contributions to the Consumer Driven Health Plans (CDHP) in accordance with JPIA recommendations, as presented (Option 1).

End Consent Calendar

ACTION ITEMS

9-1 ADOPT RESOLUTION APPROVING AMENDED MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN MWDOC AND THE SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY (SDRMA) RE THE HEALTH BENEFITS PROGRAM

RES. NO. _____

Recommendation: Adopt a Resolution approving the amendments to the MOU as presented, and authorize the General Manager to execute the MOU, Option 1.

9-2 APPROVAL OF REVISED PERSONNEL MANUAL

Recommendation: Approve revisions and additions to Personnel Manual (with the exception that the Civility Policy addition is removed), as presented, to be effective October 16, 2019.

9-3 AUTHORIZATION TO VOTE ON BEHALF OF MWDOC IN ACWA'S ELECTION OF PRESIDENT, VICE PRESIDENT

Recommendation: Review the candidates, and authorize MWDOC Board President Brett Barbre or his designee to cast the District's ballot for the ACWA President and Vice President at ACWA's Fall Conference on December 4, 2019.

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

10. GENERAL MANAGER'S REPORT, OCTOBER 2019 (ORAL AND WRITTEN)

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

11. MWDOC GENERAL INFORMATION ITEMS

- a. Board of Directors - Reports re: Conferences and Meetings
- b. Requests for Future Agenda Topics

Recommendation: Receive and file as presented.

ADJOURNMENT

Note: Accommodations for the Disabled. Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by contacting Maribeth Goldsby, District Secretary, at (714) 963-3058, or writing to Municipal Water District of Orange County at P.O. Box 20895, Fountain Valley, CA 92728. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES OCTOBER 2019

**MWDOC
Agencies
Managers
Meeting**

MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on September 19, 2019.

In attendance were: Lisa Ohlund – EOCWD, Brian Ragland – Huntington Beach, Paul Weghorst – IRWD, Drew Atwater – Moulton Niguel WD, Mike Markus and Adam Hutchinson – OCWD, Robb Grantham – Santa Margarita WD, Greg Pennington – South Coast WD, Fernando Paludi – TCWD, Marc Marcantonio and John DeCriscio – Yorba Linda WD

MWDOC Staff: R. Hunter, K. Seckel, H. De La Torre, M. Baum-Haley, H. Baez, K. Hostert, C. Lingad and C. Busslinger

- **Discussion Items:**

- Metropolitan Upcoming Shutdowns
- Metropolitan Demand Management Cost Allocation
- Metropolitan Stormwater Direct Use Pilot
- Governor's Water Resilience Portfolio Initiative
- Legislative Policy Principles

- **Information Items:**

- AWIA Update and Contract
- BUC – AQMD Follow-Up
- Update on Poseidon Huntington Beach

Next meeting will tentatively be held: October 17, 2019.

Meetings

Charles Busslinger attended the September 20, 2019 South Coast Air Quality Management District Stationary Source Committee meeting with members of the Buried Utilities Coalition (BUC). BUC members provided public comments regarding AQMD's proposed action on Asbestos Emissions from Demolition/Renovation Activities (Proposed Amended Rule 1403). BUC members were successful in getting AQMD staff to continue working on the proposed amendment, and action on amending the rule has been postponed until early next year. The BUC will continue to push AQMD to make amendments that recognize that asbestos cement pipe can and should be treated differently from asbestos containing building materials; and to work with Cal/OSHA to modify existing asbestos pipe worker training.

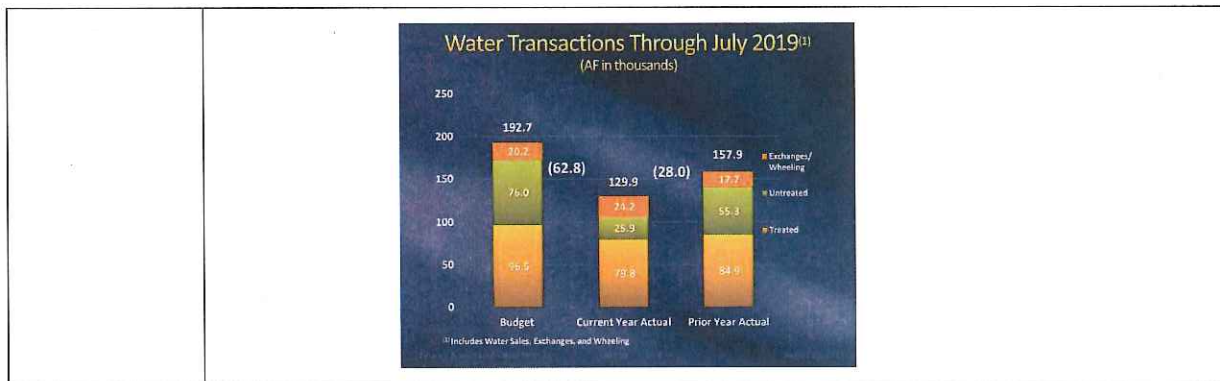
Karl Seckel, Rob Hunter, Harvey De La Torre and MET Directors Brett Barbre and Larry Dick met with MET staff to discuss the meter testing proposal for the OC-70 service connection. The group also discussed a number of other issues that have been outstanding at the facility and included access for EOCWD staff to the facility, work necessary for EOCWD to locate a generator on-site (if they want), relocation of a water sampling tap and an EOCWD totalizer outside of the facility, a refund from

Meetings – continued	<p>MET of the costs incurred by EOCWD to install a transfer switch at the facility and rehabilitation and repair work proceeding at the facility.</p> <p>Charles Busslinger attended the September 10, 2019 San Juan Basin Authority Board meeting. Pumping conditions were reviewed and continue to be ‘on plan’. SJBA is also beginning to take steps to address pending implications to SJBA of the transfer of the City of San Juan Capistrano’s water and sewer operations to SMWD. The preliminary target timeframe for completion of the City/SMWD joint application to OCLAFCO is the first quarter of 2020.</p> <p>Charles Busslinger attended MET’s September 26th Water Quality Manager’s Meeting where the annual presentation by MET was made on the chemistry and background on nitrification. OC was well represented at the meeting. Charles used the meeting opportunity to convene a follow-up meeting with MET water quality staff as well as operations and water quality staff from the West Orange County area that had recently suffered a nitrification issue in the MET system. The discussion reviewed the issue and outcome to gain a clear understanding for future coordination purposes.</p>
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MET ITEMS CRITICAL TO ORANGE COUNTY

MET’s Water Supply Conditions	<p>With estimated total demands and losses of 1.50 million acre-feet (MAF), along with 947 thousand acre-feet (TAF) of Colorado River water and a 75% SWP Table A Allocation plus an additional 65 TAF of Article 21 supplies, Metropolitan is projecting that supply will exceed demand levels in Calendar Year (CY) 2019. Based on this, estimated total dry-year storage for Metropolitan at the end of <i>CY 2019 is projected to go up to 3.3 MAF.</i></p> <div style="text-align: center;"> <p>2019 Supply Demand Balances 75% SWP Allocation Scenario</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Article 21</td> <td>65 TAF</td> </tr> <tr> <td>Table A</td> <td>1.41 MAF</td> </tr> <tr> <td>CRA</td> <td>947 TAF</td> </tr> <tr> <td>Total Supply</td> <td>1.41 MAF</td> </tr> <tr> <td>Current Demand</td> <td>1.50 MAF</td> </tr> <tr> <td>Member Agency Demand</td> <td>1.35 MAF</td> </tr> <tr> <td>Obligations/Losses</td> <td>0.15 MAF</td> </tr> </tbody> </table> </div>	Category	Value	Article 21	65 TAF	Table A	1.41 MAF	CRA	947 TAF	Total Supply	1.41 MAF	Current Demand	1.50 MAF	Member Agency Demand	1.35 MAF	Obligations/Losses	0.15 MAF
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MET’s Finance and Rate Issues	<p>For the period ending June 30, 2019, the midpoint of the biennial budget period, water transactions through June were 231.7 TAF (14%) lower than budget of 1.65 MAF and 25.2 TAF (2%) lower than the 5-year average. This is primarily due to cooler and wetter conditions of the past winter and improvement in member agencies’ local supplies.</p> <p>Water transactions for July were 62.8TAF (\$57.5) lower than budget and 7.3 TAF lower than the 5-year average.</p>
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Colorado River Issues

Metropolitan’s 2019 Intentionally Created Surplus Plan of Creation Approved

The Bureau of Reclamation (Reclamation) approved Metropolitan’s 2019 Intentionally Created Surplus (ICS) Plan of Creation. As part of the Drought Contingency Plan (DCP) authorization and implementation, Metropolitan added and amended conservation programs that would qualify for the creation of Extraordinary Conservation ICS (EC ICS). The state of California’s annual ICS creation limit is 400,000 acre-feet, however, the DCP authorization provides ICS creation limit flexibility if one, but not all, of the Lower Division States reaches its EC ICS creation limit in a given year. In light of this new flexibility, Metropolitan submitted an ICS Creation Plan that sought approval of up to 450,000 acre-feet of EC ICS, with the amount above the 400,000 acre-feet annual creation volume to be determined upon further accounting and determination by the other Lower Division States of whether they will use their states’ total annual EC ICS creation limit by the end of the year. As such, if ICS creation space is available at the end of 2019, California’s approved 2019 ICS Creation Plan would enable Metropolitan to work with Reclamation and the other Lower Division States to store more than 400,000 acre-feet of EC ICS in 2019. The actual amount of ICS the Metropolitan will store will be determined by the end of the year and will depend on operational conditions.

Bureau of Reclamation Issues Colorado River Basin August 24-Month Study

Reclamation uses the August 24-Month Study to project January 1 water elevations at Lake Powell and Lake Mead. Reservoir elevations and system storage are used to set the operational tier for the coordinated operation for Water Year 2020, which will be governed by the Upper Elevation Balancing Tier. An 8.23 million acre-feet release from Lake Powell is expected, however, actual releases may vary due to hydrology through the remainder of the year. The runoff projection of unregulated inflow into Lake Powell April-July 2019 was 2.451 million acre-feet, or 225 percent of the 30-year average. Consistent with Section 2.B.5 of the 2007 Interim Guidelines, in 2018 the ICS Surplus Condition applies, which gives Metropolitan and other ICS contractors the option to order delivery of ICS.

Reclamation issued a press release with this August 24-Month Study in which Brenda Burman, Reclamation Commissioner, stated that “[w]hile we appreciate this year’s above average snowpack, one good year doesn’t mean the drought is over. We must remain vigilant. I applaud everyone who came together this year to get the drought contingency plans done. The additional actions under the contingency plans will help ensure the reliability of the Colorado River system for the 40 million people dependent upon it.”

<p>Bay Delta/State Water Project Issues</p>	<p>Science Activities</p> <p>On August 19, the State Water Contractors (SWC) released their 2018-19 Annual Report on investments in science. The report highlights the importance of investing in science to provide a more reliable water supply and protect and restore the Delta ecosystem. The areas of SWC science investment that are highlighted in the report include water project operations to minimize fish entrainment, Delta stressors, models and technology development, habitat restoration, Delta outflow and collaborative science efforts. Staff participates in the SWC science program to provide input to science priorities, identify science projects, and review findings of science studies.</p> <p>The SWC 2018-19 Annual Report on investments in science can be found at: https://swc.org/files/SWC_2018_2019_Annual%20Science%20Report.pdf</p> <p>Metropolitan staff has continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team (CAMT). In August, CAMT finalized the CSAMP Triennial Report 2016-18, which summarizes the activities for the program over the three-year period. CAMT also received a presentation on the Delta smelt entrainment study that is addressing questions of which factors affect Delta smelt entrainment and what are the effects of entrainment on the Delta smelt population. This study is scheduled to be completed this fall.</p>				
<p>MET’s Ocean Desalination Policy and Potential Participation in the Huntington Beach Ocean (Poseidon)</p>	<p>The Santa Ana Regional Water Quality Control Board (SARWQCB) continues to work with Poseidon on renewal of the NPDES Permit for the HB Desalination Project. At the June 14, 2019 SARWQCB meeting, the Regional Board staff provided an information item update on the “Identified Need” for the Poseidon project. In evaluating whether the proposed location is the “best site feasible”, the Ocean Plan directs the Regional Board to evaluate, in part, if the identified need for desalinated water is consistent with applicable water planning documents. In the case of the proposed Poseidon project, the applicable water planning documents are Municipal Water District of Orange County’s (MWDOC) 2015 Urban Water Management Plan (UWMP), the OC Water Reliability Study, OCWD’s Long Term Facilities Plan and other OCWD planning documents. There were a considerable range of views expressed at the meeting. One of the reactions from the SARWQCB was that they did not believe they could permit a project if it was not highly probable that the project would move forward. The alternative position was noted that it is hard to agree ahead of time to move forward with the project if the full extent of terms and conditions are unknown.</p> <p>The Regional Board schedule for the permit is:</p> <table border="0" data-bbox="500 1591 1279 1675"> <tr> <td>Draft Permit</td> <td>Will be discussed in a Fall Workshop</td> </tr> <tr> <td>Final Permit</td> <td>Anticipated issuance by the end of the year</td> </tr> </table> <p>Assuming success, Poseidon would then seek its final permits from the California Coastal Commission. The August 2, 2019 meeting of the Santa Ana Regional Water Quality Control Board was cancelled. The September 13, 2019 meeting did not address the HB Desalination Project permit. The next Regional Board meeting is scheduled for October 25, 2019. Poseidon is awaiting a permitting meeting with the Santa Ana Regional Water Quality Control Board which is anticipated prior to the end of the calendar year.</p>	Draft Permit	Will be discussed in a Fall Workshop	Final Permit	Anticipated issuance by the end of the year
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South Orange County Projects

Doheny Desal Project (See separate item under Engineering & Planning))

SMWD Trampas Canyon Recycled Water Reservoir

Trampas Canyon Reservoir and Dam (Trampas Reservoir) is a seasonal recycled water storage reservoir, with a total capacity of 5,000 AF, of which 2,500 AF is available to meet Santa Margarita Water District's projected base recycled water demands, and 2,500 AF to meet future water supply needs. When completed, the Trampas Reservoir will allow SMWD to store recycled water in the winter and draw on that water during the peak summer months.

The construction of the Trampas Canyon Recycled Water Seasonal Storage Reservoir consists of three main components:

1. Trampas Canyon Dam (Dam)
2. Conveyance facilities to transport recycled water into and out of the Reservoir (Pipelines)
3. Trampas Canyon Pump Station (Pump Station)

The construction of the facilities is being completed in three phases:

1. Preconstruction/Site Preparation for the Dam and Pump Station Construction
 - a. Project Status - Complete
2. Dam and Pipelines
 - a. Project Status - The Construction Contract was awarded in December 2017 and is approximately 53% complete.
3. Pump Station
 - a. Project Status - The 100% design of this facility has been submitted by AECOM. District staff are finalizing review of the AECOM 100 percent submittal. The Board approved and District staff have pre-ordered long lead time piping, valves and pumps. Overall completion of the Pump Station construction is expected to be in June 2020, about 2 months ahead of the Reservoir and Dam completion.

San Juan Watershed Project (No New Information)

Santa Margarita Water District continues to focus on diversifying its water supply portfolio for south Orange County residents, businesses, schools, and visitors. At their recent Board meeting on June 21, 2019, they approved a significant Environmental Impact Report (EIR) and two Memorandums of Understanding for ocean desalinization projects.

The San Juan Watershed Project is being planned in three-phases and has the potential to develop an additional 4,010 to 8,240 acre-feet per year in addition to making better use of other natural supplies from the San Juan Groundwater Basin. At this time, funding is only being developed for the Phase 1 project. With the release of its EIR, the project may break ground in late 2020.

<p>South Orange County Projects – continued</p>	<p>At the same meeting, SMWD also approved two non-binding Memorandums of Understanding (MOU) for ocean water desalination. One is with Orange County Water District related to Poseidon Water in Huntington Beach; the other is with Oceanus Power and Water at Camp Pendleton. The District is also following the progress of the Doheny Desalination project led by South Coast Water District. At this time, SMWD is seeking about 1,000 AF per year from ocean desalination sources.</p> <p><u>South Orange County Emergency Service Program</u> (See Engineering & Planning below)</p> <p><u>Strand Ranch Project</u> (See Engineering & Planning below)</p> <p><u>Other Information on South County Projects</u></p> <p>If any agencies would like to have updates included herein on any projects within your service area, please email the updates to Karl Seckel at kseckel@mwdoc.com.</p>
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ENGINEERING & PLANNING

<p>Doheny Ocean Desalination Project</p>	<p>On June 27, 2019 the South Coast WD (SCWD) Board certified the Final Environmental Impact Report (FEIR) for the Phase I Local Doheny Ocean Desalination Project, which would produce up to 5 million gallons per day (MGD) of new, drinking water supplies for the area.</p> <p>SCWD subsequently filed its Notice of Determination and is beginning the permitting process with various permitting agencies.</p> <p>In March 2018, SCWD was awarded a \$10 million grant from the State Department of Water Resources for the Doheny Ocean Desalination Project.</p> <p>In April 2019, U.S. Representative Mike Levin announced that SCWD is set to receive more than \$8.3 million in US Bureau of Reclamation (USBR) WaterSMART Desalination Construction Program grant funding for the Project. The grant is subject to pending federal appropriations and needs to be included in the E&W Appropriations list of projects for which the Secretary of Interior intends to award grants. Congressman Levin is acting as the lead office on this request in the House.</p> <p>On July 11, 2019 South Coast WD's Board adopted a resolution pursuing a second year (round) of the USBR WaterSMART Desalination Construction Program grant funding. SCWD is eligible to receive a cumulative total of \$20 million for the Project from USBR. Approximately two to six awards are expected to be made by USBR with up to \$12 million available in this round. The recipient must provide at least 75% of the total project costs.</p> <p>Next Steps:</p> <ol style="list-style-type: none"> 1. SCWD will be holding a Special Board Meeting on October 30, 2019 at 6:00pm regarding a detailed independent 3rd party construction cost estimate for the project. 2. Alternative Power Supply Management Study –SCWD staff is currently reviewing a proposal from engineering consultant Burns & McDonnell for a 6
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<p>Doheny Ocean Desalination Project – continued</p>	<p>month detailed study of alternative power alternatives. The study would include a District-wide assessment and Conceptual Management Plan including studying a community choice aggregation option.</p> <ol style="list-style-type: none"> 3. Legislative – AB 1752 passed and was signed into law to allow the South Coast WD to proceed with a DBO Contract while maintaining access to State funding for the Project (both DWR grant money and SRF loans). 4. Project Delivery – Beginning work on the development of several documents including; Request for State of Qualifications (SOQ) for potential bidders, contract documents, and a RFP package. 5. Peer Review Cost Estimate – California American Water (CalAm), who developed the 6.4 MGD Monterey Ocean Desal Project using slant well technology, is completing a peer review cost estimate. A Board workshop will present the assumptions, costs, and lessons learned. 6. Slant Well Risk Evaluation – A second workshop will be scheduled to get CalAm’s perspective on the risks of slant well technology. 7. SCWD Local Potable Water System Integration – Updated hydraulic modeling and surge analysis of the SCWD system. 8. Project Partners – continuing to discuss partnering opportunities with interested agencies 9. High Level Schedule – <table border="0" style="margin-left: 40px;"> <tr> <td>a. Environmental permitting</td> <td>Summer 2020</td> </tr> <tr> <td>b. DBOM Contract Develop/Award</td> <td>Fall 2020</td> </tr> <tr> <td>c. Funding</td> <td>Fall 2020</td> </tr> <tr> <td>d. Final Design</td> <td>Dec. 2020</td> </tr> <tr> <td>e. Construction</td> <td>Late 2022</td> </tr> </table> 	a. Environmental permitting	Summer 2020	b. DBOM Contract Develop/Award	Fall 2020	c. Funding	Fall 2020	d. Final Design	Dec. 2020	e. Construction	Late 2022
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<p>MET 2019-20 Shutdown Schedule</p>	<p>MWDOC staff have held several meetings with MET and MWDOC member agencies since July 11, 2019 to review the MET 2019-2020 Shutdown Schedule. One of the proposed shutdowns involves the complete shutdown of the Diemer Water Treatment Plant to accommodate four construction projects at the plant. Currently MWDOC staff is working with potentially affected agencies to see what options are available to accommodate a Diemer shutdown; given the likely reduction in PFOA & PFOS Response Level triggers in the fall of 2019, and its impact to multiple groundwater wells.</p>										
<p>South Orange County Emergency Service Program</p>	<p>MWDOC, IRWD, and Dudek have completed the initial draft study to determine if the existing IRWD South Orange County Interconnection capacity for providing emergency water to South Orange County can be expanded and/or extended beyond its current time horizon of 2030.</p> <p>Based on the SOC meeting was held in April 11, 2019, a spin-off meeting was held with MWDOC, Dudek and operations staff from MNWD and South Coast WD to discuss how SOC operators can deal with variable flows coming from IRWD as outlined in the study. The flows from IRWD to SOC are dependent on the internal demands within IRWD and so will vary from hour to hour and day to day. The discussions indicated that the SOC agencies have considerable flexibility to deal with</p>										

<p>South Orange County Emergency Service Program - continued</p>	<p>this situation and it should not be a constraint. This will help to maximize deliveries from IRWD during emergency events.</p> <p>An upcoming meeting with all SOC agencies will be held over the next month or so to continue the discussions on cost-sharing facilities and operations that will ultimately involve negotiations directly between SOC Agencies and IRWD. These discussions could also involve discussions and negotiations between SOC and other groundwater producers as well. Information being developed by OCWD and MNWD will be important to the process as well. These efforts have been slowed a bit by the PFAS issues and because of the OCWD/MNWD groundwater storage investigation.</p>								
<p>Strand Ranch Project</p>	<p>MWDOC and IRWD staff have been exchanging information about the benefits from having water stored in the Strand Ranch Project in case emergencies occur such as Delta Levee Failures that might result in no exports from the Delta until operations are restored. Previously, staff from the two agencies have developed an evaluation process to quantify the benefits of Drought Protection afforded by having water stored in the Strand Ranch Project from having the water classified as “extraordinary supplies” under MET’s Water Supply Allocation Plan.</p>								
<p>SMWD Rubber Dams Project (San Juan Watershed Project)</p>	<p>Santa Margarita Water District continues to focus on diversifying its water supply portfolio for south Orange County residents, businesses, schools, and visitors. SMWD approved the Environmental Impact Report (EIR) for the San Juan Watershed Project.</p> <p>The San Juan Watershed Project is being planned in three-phases and has the potential to develop an additional 4,010 to 8,240 acre-feet per year in addition to making better use of other natural supplies from the San Juan Groundwater Basin. At this time, funding is only being developed for the Phase 1 project. With the release of its EIR, the project may break ground in late 2020.</p> <p style="text-align: center;">SUMMARY OF THE POTENTIAL ANNUAL AVERAGE PROJECT YIELD</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Project Phase</th> <th style="text-align: center;">Phase Yield (AFY)</th> </tr> </thead> <tbody> <tr> <td>Phase I</td> <td style="text-align: center;">30 – 2,000 (Average = 700)</td> </tr> <tr> <td>Subsequent phases</td> <td style="text-align: center;">3,980 – 6,240</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: center;">4,010 – 8,240</td> </tr> </tbody> </table> <p>SOURCE: WEI 2017</p>	Project Phase	Phase Yield (AFY)	Phase I	30 – 2,000 (Average = 700)	Subsequent phases	3,980 – 6,240	TOTAL	4,010 – 8,240
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<p>EMERGENCY PREPAREDNESS</p>									
<p>Coordination with WEROC Member Agencies</p>	<p>Final: WEROC, with Michael Baker as the lead consultant, has facilitated 19 agencies through the process of updating the Orange County Water and Wastewater Multi-Jurisdictional Hazard Mitigation Plan. Plan binders have arrived and were delivered to all participating agencies.</p>								

<p>Coordination with WEROC Member Agencies - continued</p>	<p><i>Ongoing: WEROC launched an effort to facilitate a joint RFP and contract with participating WEROC member agencies to address the new requirements of America's Water Infrastructure Act (AWIA). A full report is included in this month's P&O Committee.</i></p> <p>Daniel attended the UASI funded ICS 300 course and is reviewing FEMA pre-disaster mitigation grants as an avenue to provide no cost ICS-300 and ICS-400 training to member agencies at MWDOC potentially in October. TEEEX (Texas mobile FEMA trainers) have also been requested to provide this training at no cost should FEMA grant not be available.</p>
<p>Training and Programs</p>	<p>MWDOC and WEROC participated in the Diemer Water Treatment Plant tabletop exercise on 8/29/19 and will be replicating it in house with some added elements. Ongoing in house training on "stop the bleed" and basic first-aid for MWDOC employees, Daniel intends to provide these types of trainings twice per month.</p> <p>Janine is coordinating in-house efforts towards Emergency Preparedness Month in getting ready for the 10/17 at 10:17 Shakeout Exercise.</p> <p>Daniel has coordinated with the OC Intelligence Assessment Center to have graphics designed and printed for "See Something – Say Something"</p>
<p>Coordination with the County of Orange</p>	<p><i>Ongoing: OC OA Alert and Warning Working Group is a new committee to develop county-wide public Alert and Warning policies, procedures and tools such as to request and approval forms. This will be a 6-month planning effort. Daniel attended the August meeting and started to work with the County's Control One to address some of WEROC's concerns with the plans associated forms.</i></p> <p><i>Ongoing: WEROC staff participation in the OA Agreement Revision Working Group. Update: The OA Agreement Working Group met for the first time in several months. The Draft Revised Agreement developed by the working group has been reviewed and approved by the County's Legal Counsel. The OA shared this revised draft to all OC government entities on August 15 to start the review process. Agencies will need to take the agreement to their legal counsel and provide feedback to the OA. UPDATE 8/21/2019 MWDOC staff provided comments and submitted them for Legal Counsel to review prior to passing them along. As the current ISDOC representative, Karl Seckel has been coordinating with Mark Monin to seek any additional comments on the OA Agreement. Once the OA Agreement is approved, both ISDOC and WEROC will have representatives on the OA.</i></p>
<p>Coordination with Outside Agencies</p>	<p><i>On-going: California Public Utilities Commission (PUC) proceedings regarding the Impacts from De-Energization with a Focus on First Responders and Local Government. MWDOC has received party status to these proceedings. Party Status ensures that we receive all communications regarding the proceedings and that our comments are included officially for consideration.</i></p> <p>Karl Seckel has been coordinating with James Pasmore with SCE towards improved compliance with the Phase 1 PUC ruling which MWDOC & WEROC were part of. A reach out will have to be made with SDG&E for the Southern portion of the</p>

<p>Coordination with Outside Agencies - continued</p>	<p>County. Under a Non-Distribution Agreement, MWDOC shared maps of water agency assets they can use during urban area wildfire events.</p> <p>Daniel is working with Team Rubicon and identifying other potential sources of EOC volunteers during times of activation.</p>
<p>EOC Readiness</p>	<p>Janine Schunk and Daniel participated in the OA and MET radio tests and WebEOC tests. Janine also facilitated the WEROC monthly radio test.</p> <p>Janine scheduled and oversaw the install of the satellite phone fixed base antennas on all WEROC EOC locations. She also identified a discrepancy with one of the radios at the NEOC which is actively being addressed.</p> <p>Daniel and Janine are in the process of installing all satellite phone cradles and power stations.</p> <p>Janine coordinated the maintenance of the South EOC.</p>

WATER USE EFFICIENCY

<p>Metropolitan Water District of Southern California (MET) Water Use Efficiency Workgroup</p>	<p>On September 19, Beth Fahl attended Metropolitan's Water Use Efficiency Workgroup meeting. Approximately 30 member agencies participated in the meeting. Agenda items included:</p> <ul style="list-style-type: none"> • Introductions • September Metropolitan Board Presentation <ul style="list-style-type: none"> ○ Conservation and QWEL Update ○ Approval to Increase Inspection Agreement ○ Preview of October Board Presentations • Member Agency Roundtable <ul style="list-style-type: none"> ○ Firescaping • CA-NV AWWA Water Use Efficiency Practitioner Exam • Metropolitan External Affairs Update • Metropolitan Programs Updates • Future Meeting Items <p>The next Workgroup meeting is scheduled for October 17 at Metropolitan's Regional Recycled Water Advanced Purification Center.</p>
<p>Water Loss Control Workgroup</p>	<p>On September 10, MWDOC hosted the Orange County Water Loss Control Workgroup meeting. This meeting was attended by approximately 28 agency staff. The agenda included:</p> <ul style="list-style-type: none"> • Updates on – <ul style="list-style-type: none"> ○ MWDOC's New Water Loss Staff ○ Status of Shared Services ○ Status of 219 Water Balance Validations • California Municipal Utilities Association Alternate Water Loss Proposal • Distribution System Pressure Surveys <p>The next meeting is scheduled for November 12 at MWDOC.</p>

<p>Tustin Water Department Service Line Leak Repair</p>	<p>On September 12, the Tustin Water Department began repairing distribution system leaks discovered through a MWDOC Leak Survey. Joe Berg, Kevin Kelly, and Jason Thorsell coordinated a training with Ty Coston from Moulton Niguel Water District to provide instruction on how to meter the gallons per minute (gpm) of a service line leak. Metering the leak is important to obtain an accurate leakage rate rather than an estimate. This technique measured two leaks at ¼ gpm and one at 4.08 gpm. Additional repairs are ongoing.</p>
<p>Irvine Ranch Water District Leak Survey Discussion</p>	<p>On September 18, Joe, Kevin, and Jason visited Dave Crow and David Perez to review how IRWD conducts its distribution system leak surveys, documentation of areas surveyed and leaks found, and the types of leak detection equipment IRWD uses. This event resulted in a good sharing of techniques and ideas to assist both agencies, and plans were made to meet on a periodic basis to continue this collaboration.</p>
<p>Proposition 1 Pre-Application Workshop With Department of Water Resources</p>	<p>On September 18, Rachel Waite attended the Proposition 1 Pre-Application Workshop with DWR, which was hosted by Rancho California Water District. The Workshop covered the entire San Diego Funding Area, which includes the South Orange County Watershed Management Area (SOCWMA). Rachel W. presented MWDOC’s South Orange County Water Use Efficiency Program (Program) to DWR representatives, who asked project-related questions and provided constructive feedback. MWDOC’s Program was previously submitted to SOCWMA and, through a competitive selection process, was chosen to be a project submitted to DWR and is slated to receive \$833,002 in Proposition 1 Funding.</p>
<p>State Water Resources Control Board Public Stakeholder Workshop</p>	<p>On September 23, Joe attended a Water Board Public Stakeholder Workshop focusing on the draft economic model that will be used to assign water loss standards to each urban water supplier, as called for by SB 555. This Workshop was the last workshop before starting the formal rulemaking process and was attended by more than 50 stakeholders. The comment period has been extended to October 25, 2019, and staff is in the process of reviewing the model and composing comments.</p>
<p>California Water Efficiency Partnership (CalWEP) Membership Meeting</p>	<p>On September 24, Joe attended the CalWEP quarterly membership meeting, which was hosted by UC Davis. This meeting was attended by more than 90 members from throughout the state. The keynote speaker was Joaquin Esquivel, Chair of the Water Board, who discussed the unique challenges the Water Board is dealing with and the importance of water use efficiency to the state’s long term water management strategies. Other agenda items included:</p> <ul style="list-style-type: none"> • Host Presentation - Kendra Olmos, Executive Director of the Center for Water-Energy Efficiency • Planning for Climate Change - Juliet Christian-Smith from the Water Foundation • CalWEP News & Happenings - Sarah Foley & Tia Lebherz, Co-Executive Directors of CalWEP • What’s New at the Alliance - Mary Ann Dickinson, Executive Director of the Alliance for Water Efficiency • Tap into Resilience - Cynthia Koehler from the WaterNow Alliance • Are you Smarter than a Computer? Optimizing your Agency’s Energy Usage - the UC Davis CWEET Team

<p>California Water Efficiency Partnership (CalWEP) Membership Meeting - continued</p>	<ul style="list-style-type: none"> • CalWEP is your Implementation Partner: Framework Tool Update - Tia Leberz from CalWEP and David Mitchell from MCubed <p>The next meeting is scheduled for December 11 in Santa Barbara.</p>
<p>Delta Stewardship Council</p>	<p>On September 26, MWDOC hosted the Delta Stewardship Council meeting. Joe participated on a panel that focused on Future Water-Use Efficiency Programs and Innovation. The panel was moderated by Deven Upadhyay, Assistant General Manager/Chief Operating Officer for the Metropolitan Water District of Southern California. Panel members included Sylvie Lee, Manager of Planning & Environmental Compliance at Inland Empire Utilities Agency; Joone Lopez, General Manager of Moulton Niguel Water District; and Dan Ferons, General Manager of Santa Margarita Water District.</p>
<p>Trabuco Canyon Water District Leak Detection Survey</p>	<p>On September 30, Joe and Jason met with Fernando Paludi, Michael Perea, Lorrie Lausten, and Mark Gim to kick off the 66 miles of leak detection on the TCWD system. TCWD provided a letter authorizing the leak survey and contact information for key staff members to verify the work, a system atlas, a hat, and guidance on where to begin the survey. Following this meeting, the leak survey kicked off on October 3rd and is anticipated to take approximately one month.</p>
<p>Water Smart Innovations Conference</p>	<p>On October 2 – 4, Rachel Waite and Rachel Davis attended the Water Smart Innovations Conference in Las Vegas, NV. Rachel W. presented the results of the Evaluation of MWDOC’s Comprehensive Landscape Water Use Efficiency Program. Rachel D. attended an Irrigation Association meeting on Smart Water Application Technology and the Qualified Water Efficient Landscaper (QWEL) Certification meeting for Professional Certifying Organizations. Throughout the conference, both Rachel W. and Rachel D. attended professional sessions that covered the following topics:</p> <ul style="list-style-type: none"> • Water Conservation and Incentive Programs • Water Loss Management • Water Efficient Landscaping • Marketing and Outreach • Sustainable Construction and Development • Drought Management • Water Efficiency Education • Water Efficient Codes and Policies
<p>PUBLIC/GOVERNMENT AFFAIRS</p>	
<p>Member Agency Relations</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Met with Mesa Water about Forest to Faucets • Provided landscaping books and giveaway items for City of Westminster • Provided Photos to San Clemente for an upcoming newsletter <p>Governmental Affairs Staff:</p>

<p>Member Agency Relations - continued</p>	<ul style="list-style-type: none"> • Sent out follow-up email and information regarding the next SB 998 (water shutoffs) Working Group Meeting scheduled for October 14 • Provided an update on SB 998 implementation to the OC MET Managers group
<p>Community Relations</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Prepared presentation on Colorado River for Villa Park Rotary Club • Worked with Hashtag Pinpoint and Water Emergency Response Organization of Orange County to direct, produce, and film promotional video for National Preparedness Month • Attended Irvine Ranch Outdoor Education Center’s EarthFest event and brought Ricky Raindrop • Attended Bolsa Chica Conservancy’s Coastal Cleanup Day and brought Ricky Raindrop
<p>Education</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Provided High School Program information to City of Santa Ana • Finalized Ricky Raindrop Education Booklet design • Coordinated and confirmed Trinity Lutheran Elementary School Programs visits with contractors and City of Anaheim • Provided Elementary School Program (3-6) visit information to City of Anaheim • Provided High School Program information to Santa Margarita Water District • Attended High School Program visit to Mission Viejo High School • Notified MWDOC Board of Directors and participating member agencies of September school program visits in their service areas • Worked with school program contractors to create a shared Google Calendar that shows school program visits as they are scheduled • Provided access to shared school program Google Calendar to MWDOC Board of Directors and participating member agencies • Provided school program historical student count data to City of Westminster • Participated in Metropolitan Member Agency Education Coordinator’s Meeting • Provided Elementary School Programs information to Moulton Niguel Water District • Secured new clinic dates and locations for the MWDOC Girl Scouts Water Resources and Conservation Patch Program • Offered participating member agencies the opportunity to submit agency slide for school program presentations • Provided information to Girl Scouts of Orange County regarding Coastal Cleanup Day event hosted At the request of Irvine Ranch Water District

<p>Media Relations</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> Published news release announcing six regional honors awarded to MWDOC by the Orange County Public Relations Society of America at the 44th Annual PROTOS Awards Gala <p>Attended California Association of Public Information Officials workshop including a tour of the NBC 4 newsroom</p>
<p>Special Projects</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> Developed graphics for new Water Loss Control Van Created flyers for the following Water Use Efficiency programs: Turf Removal, Landscape Design Assistance (LDAP), and Landscape Maintenance Assistance (LMAP) Created door hangers and flyers (for LBCWD service area) for Water Use Efficiency’s Pressure Regulation & Leak Detection Program Staffed Director Barbre’s September 27-29 Hoover Dam and Colorado River Aqueduct Currently working on itineraries, trip logistics, guest and Director requirements for the following inspection trips: <ul style="list-style-type: none"> October 18-19 State Water Project Director Ackerman November 8-10 State Water Project and Central Valley Agriculture Director Barbre November 15-17 Hoover Dam and Colorado River Aqueduct Director McKenney December 6 Southern California Infrastructure Tour Co-Hosted with ACC-OC Updated Website to be ADA Compliant <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> Submitted documents to OC LAFCO for MWDOC’s upcoming comprehensive MSR Staffed the WACO Planning Meeting Sent out the invitation for the next ISDOC Quarterly Luncheon scheduled for October 24 Collected RSVPs for the Delta Stewardship Council Meeting Participated in a conference call with the October WACO speakers (Topic: What Happens Upriver) Attended the Delta Stewardship Council Meeting Staffed the ISDOC Executive Committee Meeting
<p>Legislative Affairs</p>	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> Participated in the ACWA Federal Affairs Drinking Water Subcommittee Meeting Participated in the ACWA Federal Affairs Committee Meeting in Sacramento Circulated MWDOC’s Legislative and Regulatory Policy Principles to the Board of Directors and our member agencies for feedback At the request of Assembly Member Cottie Petrie-Norris’s office, sent a letter to Governor Newsom requesting his signature on AB 1752 (South Coast Water District) and circulated the coalition letter to the signatories

Legislative Affairs - continued	<ul style="list-style-type: none">• Along with Director Yoo Schneider, attended a meeting with Assembly Member Cottie Petrie-Norris. Representatives from Mesa Water, OCWD, OCSD, IRWD, and SCWD also attended• Along with Director Yoo Schneider, attended a meeting with Director Chuck Gibson and Jim Leach to discuss ways our agencies can efficiently coordinate on external affairs• Participated in the ACWA/CMUA OEHHA Human Right to Water Working Group Meeting
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MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AGENCIES MANAGERS MEETING

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

Brett R. Barbre
President

Joan C. Finnegan
Vice President

Larry D. Dick
Director

Bob McVicker, P.E. D.WRE
Director

Megan Yoo Schneider, P.E.
Director

Sat Tamaribuchi
Director

Jeffery M. Thomas
Director

Robert J. Hunter
General Manager

MEMBER AGENCIES

- City of Brea
- City of Buena Park
- East Orange County Water District
- El Toro Water District
- Emerald Bay Service District
- City of Fountain Valley
- City of Garden Grove
- Golden State Water Co.
- City of Huntington Beach
- Irvine Ranch Water District
- Laguna Beach County Water District
- City of La Habra
- City of La Palma
- Mesa Water District
- Moulton Niguel Water District
- City of Newport Beach
- City of Orange
- Orange County Water District
- City of San Clemente
- 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

LOCATION: MWDOC's Fountain Valley office is located at 18700 Ward St, and the entrance/exit is about ¼ mile south of Ellis Ave. The nearest freeway access is Euclid at the 405. Parking is available to the east of the MWDOC/OCWD Admin offices (follow driveway from Ward St to parking areas).

WHEN: Thursday, October 17, 2019 from 10:30 am to 12:00 pm.

DRAFT AGENDA

1. Opportunity to add and discuss items not already listed.

Page #

2. Discussion Items:

- 2-1. Development of Water Loss Performance Standards 2
- 2-2. Metropolitan to co-fund dues payments for AWE and Cal WEP..... 5
- 2-3. EPA Lead and Copper Rule Proposal 11
- 2-4. Legislative Policy Principles Provided at Mtg.

3. Information and Follow-up Items:

- 3-1. AWIA Update and Contract
- 3-2. BUC – AQMD Follow-up

4. Report Items:

- 4-1. Monthly GM Report 14
- 4-2. Legislative Reports Provided at Mtg.
- 4-3. WEROC Matrix 29
- 4-4. Grant Funding Opportunities Provided at Mtg.

5. Next meeting will tentatively be held November 21, 2019.

Lunch will be provided immediately following the meeting.

MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
October 21, 2019, 8:30 a.m.
Conference Room 101

Committee:

Director Dick, Chair
Director Thomas
Director McVicker

Staff: R. Hunter, K. Seckel, H. Baez,
D. Micalizzi, K. Davanaugh, T. Baca

Ex Officio Member: Director Barbre

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 PARTICIPATION

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>.

DISCUSSION ITEMS

1. LEGISLATIVE ACTIVITIES
 - a. Federal Legislative Report (Barker)
 - b. State Legislative Report (BBK)
 - c. County Legislative Report (Lewis)
 - d. Legal and Regulatory Report (Ackerman)
 - e. MWDOC Legislative Matrix
 - f. MET Legislative Matrix

2. MWDOC LEGISLATIVE POLICY PRINCIPLES ANNUAL UPDATE

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.)

3. OC WATER SUMMIT PLANNING UPDATE
4. CALIFORNIA ENVIRONMENTAL LITERACY INITIATIVE
5. EDUCATION PROGRAMS UPDATE
6. PUBLIC AND GOVERNMENT AFFAIRS ACTIVITIES REPORT

OTHER ITEMS

7. REVIEW ISSUES RELATED TO LEGISLATION, OUTREACH, PUBLIC INFORMATION ISSUES, AND MET

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.

**LOCAL AGENCY FORMATION COMMISSION
ORANGE COUNTY**

2677 North Main Street, Suite 1050
Santa Ana, CA 92705
(714) 640-5100 ♦ FAX (714) 640-5139

REGULAR MEETING AGENDA

**Wednesday, October 9, 2019
8:15 a.m.**

**Planning Commission Hearing Room
Hall of Administration
333 W. Santa Ana Blvd
10 Civic Center Plaza, Santa Ana, CA 92701**

Any member of the public may request to speak on any agenda item at the time that item is being considered by the Commission.

- 1. CALL THE MEETING TO ORDER**
- 2. PLEDGE OF ALLEGIANCE – COMMISSIONER LOU PENROSE**
- 3. ROLL CALL**
- 4. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATIONS
(Received After Agenda Distribution)**
- 5. APPROVAL OF MINUTES**

[a.\) August 14, 2019 – Regular Commission Meeting](#)

- 6. PUBLIC COMMENT**

This is an opportunity for members of the public to address the Commission on items not on the agenda, provided that the subject matter is within the jurisdiction of the Commission and that no action may be taken on an off-agenda item(s) unless authorized by law.

- 7. CONSENT CALENDAR**

[a.\) Legislative Report](#)

The Commission will receive a status report on legislation introduced and reviewed by the Commission during the 2018-19 legislative session.

[b.\) OCERS FY 2020-21 Retirement Contribution Rates and Prepayment Program](#)

The Commission will consider the adoption of the retirement contribution rates as approved by the Orange County Employees Retirement System (OCERS) Executive Board for FY 2020-21 and receive a report on the OCERS prepayment program.

8. PUBLIC HEARING

None

9. COMMISSION DISCUSSION AND ACTION

a.) Proposed Professional Consultant Services Agreement with CV Strategies

The Commission will consider the proposed agreement with CV Strategies to prepare a Communications Plan.

b.) Proposed Agreement to Join the California Association of Mutual Water Companies Joint Powers Risk and Insurance Management Authority

The Commission will consider the proposed agreement to join an insurance Joint Powers Agreement (JPA) to secure the property, general liability and crime insurance.

10. COMMISSIONER COMMENTS

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

11. EXECUTIVE OFFICER'S REPORT

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

- Oral update on the following:
 - 2018-2019 Work Plan Update
 - Upgrade of Agency Website
 - Attendance of Countywide Workshops: Santa Ana Watershed and Regional Housing Needs

12. INFORMATIONAL ITEMS & ANNOUNCEMENTS

a.) CALAFCO Annual Conference

The CALAFCO Annual Conference will take place at the Hyatt Regency in Downtown Sacramento, CA, October 30 – November 1, 2019.

13. CLOSED SESSION

None

14. ADJOURNMENT OF REGULAR COMMISSION MEETING

NOTICE REGARDING ITEMS DISTRIBUTED TO THE COMMISSION LESS THAN 72 HOURS PRIOR TO THE LAFCO REGULAR MEETING:

Pursuant to Government Code Section 54957.5 public records that relate to open session agenda items that are distributed to a majority of the Commission less than seventy-two (72) hours prior to the meeting will be available to the public at Orange County LAFCO offices at 2677 North Main Street, Suite 1050, Santa Ana, CA 92705 during regular business hours. These records when possible will also be made available on the OC LAFCO website at <http://www.oclafco.org>.

NOTICE: State law requires that a participant in a LAFCO proceeding who has a financial interest in a decision and who has made a campaign contribution of more than \$250 to any commissioner in the past year must disclose the contribution. If you are affected, please notify the Commission's staff before the hearing.

LAFCO Agendas and supporting documentation are available on the Internet at <http://oclafco.org>.



Executive Committee Meeting

Tuesday, October 1, 2019

7:30 a.m.

Municipal Water District of Orange County, Conference Room 101

AGENDA

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

(714) 963-3058
(714) 964-5930 fax

www.mwdoc.com/isdoc

Executive Committee

President
Hon. Sandra Jacobs
Santa Margarita Water District

1st Vice President
Hon. Mark Monin
El Toro Water District

2nd Vice President
Hon. Arlene Schafer
Costa Mesa Sanitary District

3rd Vice President
Hon. Mary Aileen Matheis
Irvine Ranch Water District

Secretary
Hon. William "Bill" Green
South Coast Water District

Treasurer
Hon. Joan C. Finnegan
Municipal Water District of Orange County

Immediate Past President
Hon. James Fisler
Mesa Water District

Staff Administration

Heather Baez
Municipal Water District of Orange County

Christina Hernandez
Municipal Water District of Orange County

I. Welcome, Introductions – 7:30 am

[Please silence cell phones]

II. Approval of Minutes – 7:35 am

- Consider approval of the minutes for the September 3, 2019 meeting.

III. Public Comments on items not on the agenda- 7:40 am

IV. New Business – 7:45 am

A. Consideration of uses for reserve funds

- i. A "Dues Holiday" for a year (or more)
- ii. ISDOC/CSDA Complimentary Workshop – Form 700
- iii. Complimentary Quarterly Luncheon
- iv. Scholarship to CSDA Conference

B. Approval of 2020 ISDOC Executive Committee meeting calendar

V. Treasurer's Report – Joan Finnegan/Sandra Jacobs – 7:55 am

- September report of former and new accounts.

VI. OA Update – Karl Seckel – 8:00 a.m.

- Receive, discuss and file the OA report

VII. CSDA Report –Arlene Schafer/Bill Nelson – 8:05 am

- Receive, discuss and file the CSDA Report

VIII. LAFCO Report –Jim Fisler– 8:10 am

- Receive, discuss and file the LAFCO report

IX. ACWA Report – Sandra Jacobs – 8:15 am

- Receive, discuss and file the ACWA report.

X. OCCOG Report – Mike Schaefer – 8:20 am

- A. Receive, discuss and file OCCOG report

X. Orange County Operational Area Report (Mark Monin)- 8:25 am

- B. Receive, discuss and file OCOA report

XI. Subcommittee Reports – 8:30 am

- Programs (Mark Monin)
 - Update on October 24, 2019 Quarterly Luncheon.
- Membership (Arlene Schafer)
- Legislative (Mary Aileen Matheis)
 - Discuss and consider taking action on proposed legislation of interest to Special Districts.
- Scholarship Committee Update (Sandra Jacobs)

XII. Adjourn – 8:35 am

Next Executive Committee Meeting: Tuesday, November 5, 2019



ISDOC Executive Committee
September 3, 2019

Minutes

I. Welcome

President Sandra Jacobs called the meeting to order at 7:30 a.m.

Sandra Jacobs, President (SMWD)

Mark Monin, 1st Vice President (ETWD)

Joan Finnegan, Treasurer (MWDOC)

Jim Fisler, Past President (Mesa WD/LAFCO)

Others Present:

Gavin Centeno (OC LAFCO)

Greg Mills (Serrano WD)

Jerry Vilander (Serrano WD)

Mike Schaefer (CMSD)

Stacy Taylor (Mesa WD)

Heather Baez (MWDOC)

Christina Hernandez (MWDOC)

Jody Brennan (SCWD)

II. Minutes

1. The minutes of the August 6, 2019 meeting were reviewed. Upon a motion by Arlene Schafer and second by Mark Monin, the minutes were unanimously approved.

III. Public Comments

None

IV. New Business

There was discussion of an ISDOC/CSDA workshop for ISDOC members. Discussion included focusing on the workshop on Form 700 filings and the need to find a location (perhaps MWDOC or SMWD). President Saudra Jacobs will work with Chris Palmer on the details on the workshop.

V. Treasurer's Report

1. Joan Finnegan reported a balance of \$14,773.37. Treasurer Finnegan is now a signatory on the Union Bank account.

There was considerable discussion on the amount of reserves and ideas on the use of the reserve funds. This item will be agendaized for the October Executive Committee meeting with the following uses to be considered:

- A "Dues Holiday" for a year (or more)
- ISDOC/CSDA complimentary workshop (See item IV. New Business above)
- Complimentary Quarterly Luncheon
- Scholarship to CSDA Conference (see item X. Subcommittee Reports below)

VI. CSDA Report

2019 CSDA Annual Conference will be held in Anaheim from September 25 – 28, 2019. It is the 50th Anniversary with a Commemorative Program.

VII. LAFCO Report

Jim Fidler reported the September meeting is cancelled. The next meeting is October 9, 2019. OC LAFCO is starting the Municipal Service Review process.

VIII. ACWA Report

1. Saudra Jacobs reported on the following ACWA activities:
 - a. ACWA Region 10 is currently collecting ballots for the Region 10 Board.
 - b. The next Communications Committee meeting and Federal Affairs Committee meeting will be held on September 12, 2019.
 - c. There are 2 more weeks of the legislative session. Items being considered include vaccines, PFAS, SB-1 and AB-402.

IX. OCCOG Report

Mike Schaefer will provide an update at the October Executive Committee meeting.

X. Orange County Operation Area Report

Mark Monin reported on the last meeting as follows:

- SC Edison hopes to provide 48 hours' notice on shutdowns
- Operational Area (OA) offers a review of potential threats for large events
- Emergency Management will give a 5 minute presentation at the next ISDOC Quarterly luncheon

XI. Subcommittee Reports

1. Programs: Mark Monin reported on the 2019 ISDOC Quarterly Luncheons as follows:
 - a. October 24, 2019 – Supervisor Bartlett is confirmed as the speaker. Her presentation will include how the County and Special Districts can work together. Additionally, Ethan Miller Brown of the OC Sherriff's Department will give a 5-minute presentation on Emergency Management at the beginning of the luncheon.
2. Membership: None
3. Legislative Update – see VIII. ACWA Report above
4. Scholarship Committee – Sandra Jacobs will provide the criteria for distribution prior to the next Executive Committee meeting. It will be considered at the October meeting as an agenda item on the use of reserve funds.

XII. Adjourn

1. The meeting adjourned at 8:17.
2. The next meeting will be held on September 1, 2019 at 7:30 am.



2020 MEETING SCHEDULE DRAFT

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

(714) 963-3058
(714) 964-5930 fax

www.mwdoc.com/isdoc

Executive Committee

President
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3rd Vice President
Hon. Mary Aileen Matheis
Irvine Ranch Water District

Secretary
Hon. Bill Green
*South Coast Water District
CSD*

Treasurer
Hon. Joan C. Finnegan
*Municipal Water District of
Orange County*

Immediate Past President
Hon. James Fisler
Mesa Water District

Staff Administration

Heather Baez
*Municipal Water District of Orange
County*

Christina Hernandez
*Municipal Water District of Orange
County*

ISDOC Quarterly Meetings

Location: MWDOC/OCWD Board Room

Time: 11:30 a.m. – 1:00 p.m.

Thursday, January 30, 2020

Thursday, April 30, 2020

Thursday, July 30, 2020

Thursday, October 29, 2020

ISDOC Executive Committee Meetings

Location: MWDOC Conference Room 101

Time: 7:30 a.m.

Tuesday, January 7, 2020

Tuesday, February 4, 2020

Tuesday, March 3, 2020

Tuesday, April 7, 2020

Tuesday, May 5, 2020

Tuesday, June 2, 2020

Tuesday, July 7, 2020

Tuesday, August 4, 2020

Tuesday, September 1, 2020

Tuesday, October 6, 2020

Tuesday, November 3, 2020

Tuesday, December 1, 2020

California Special District Association (CSDA) Conferences

Special District Legislative Days

May 19-20, 2020 • Sacramento, California

Annual Conference

TBD

For Additional Information

Christina Hernandez

(714) 593-5028

Chernandez@mwdoc.com



AGENDA

Friday, October 4, 2019
7:30 a.m. - 9:00 a.m.
Doors open at 7:00 a.m.

OCWD/MWDOC JOINT BOARD ROOM
18700 Ward Street, Fountain Valley

Mailing Address

P.O. Box 8300
Fountain Valley, CA 92708

Meeting Location

18700 Ward Street
Fountain Valley, CA 92708

(714) 378-3200
(714) 963-0291 fax

www.ocwd.com/news-events/events/waco
www.mwdoc.com/waco

Officers

Chair
Hon. Jim Atkinson
Mesa Water District

Vice Chair
Hon. Cathy Green
Orange County Water District

Staff Contacts

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County

Pledge of Allegiance

Announcements & Introductions

- Jim Atkinson, Mesa Water District

Reports

- Association of California Water Agencies (ACWA) Report – Cathy Green, Orange County Water District
- Metropolitan Water District of Southern California Report – Linda Ackerman, Metropolitan Water District of Southern California

Program: What’s Happening Upriver

- Douglas Headrick, General Manager, San Bernardino Valley Municipal Water District
- Shivaji Deshmukh, P.E., General Manager, Inland Empire Utilities Agency
- Tim Barr, Deputy General Manager, Western Municipal Water District

Adjourn

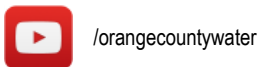
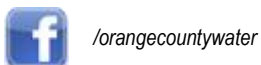
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Next WACO Meeting

Friday, November 1, 7:30 a.m. @ OCWD/MWDOC Joint Boardroom

Next WACO Planning Committee Meeting

Tuesday, October 21, 7:30 a.m. @ MWDOC 101

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WACO Planning Committee
Tuesday, October 15, 2019
7:30 A.M.

AGENDA

ACTION ITEMS

1. November 1: Forests to Faucets
 - o Speakers are confirmed
 - o Any specific questions the committee would like answered?

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

18700 Ward Street
Fountain Valley, CA 92708

(714) 378-8232
(714) 963-0291 fax

www.mwdoc.com/waco
www.ocwd.com/news-events/events/waco

Officers

Chair

Hon. Jim Atkinson
Mesa Water District

Vice Chair

Hon. Cathy Green
Orange County Water District

Staff Contacts:

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County

DISCUSSION ITEMS

1. Howard Hull's research regarding future speakers
 - o December 13: Ducks Unlimited
 - o February 7: Water additives/fluoride
2. January 10: Resiliency Plan
 - o Nancy Vogel, Director of the Governor's Water Portfolio Program
 - o Back up speaker if Nancy unavailable
3. Feedback of October 4 meeting
 - o Doug Headrick, Shivaji Deshmukh, Tim Barr

INFORMATIONAL ITEMS

1. November 1: Forests to Faucets
 - o Marie Davis, Geologist and Consultant, Placer County Water Agency (confirmed)
 - o John Kingsbury, Executive Director, Mountain County Resources Association (confirmed)
2. Revised 2019 WACO Calendar

ADJOURN



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DATES TO REMEMBER
OCTOBER/NOVEMBER 2019

1. Oct 23 – 8:00 a.m. – Strategic Planning Interviews (Bd Rm)
2. Oct 24 – 11:30 a.m. – ISDOC Quarterly Luncheon
3. Oct 24 – 5:30 p.m. – South Orange County Economic Coalition Meet/Greet
4. Oct 25 – DISTRICT OFFICE CLOSED
5. Oct 25 – 8:00 a.m. – TV-6 (Havens)
6. Oct 29 – 8:00 a.m. – H2O for HOA's (LH Community Center)
7. Oct 31 – 9:00 a.m. – 3:00 p.m. – Strategic Plan Workshop (Marriott Courtyard)
8. Nov 1 – 7:30 a.m. – WACO
9. Nov 1 – 12:00 noon – Chair/GM Meeting
10. Nov 2 – Daylight Savings Time Ends (Fall Back One Hour)
11. Nov 4-6 – AWRA Conference – Salt Lake City, UT (Monin)
12. Nov 4 – 1:30 p.m. – SOCWMA Management Committee Meeting
13. Nov 5 – 7:30 a.m. – ISDOC Executive Committee Meeting
14. Nov 5 – 10:00 a.m. – RRC Meeting
15. Nov 6 – 8:30 a.m. – MWDOC/MET Directors Workshop
16. Nov 7 – 8:30 a.m. – SOCWA Board Meeting
17. Nov 7 – 2:30 p.m. – SOCWMA Executive Committee Meeting
18. Nov 8 – DISTRICT OFFICE CLOSED
19. Nov 11 – Veterans Day – DISTRICT OFFICE CLOSED
20. Nov 12 – 8:30 a.m. – MWDOC Planning/Operations Meeting
21. Nov 12 – 10:30 a.m. – SOCWA Special Finance Meeting
22. Nov 13 – 8:30 a.m. – MWDOC Admin/Finance Meeting
23. Nov 14 – 8:30 a.m. – SOCWA Engineering Committee Meeting
24. Nov 14 – 11:30 a.m. – CAG Meeting
25. Nov 15 – 12:00 noon – Chair/GM Meeting

26. Nov 18 – 7:30 a.m. – Agenda Review
27. Nov 19 – 7:30 a.m. – WACO Planning Committee
28. Nov 20 – 8:30 a.m. – MWDOC Board Meeting
29. Nov 20 – 11:30 a.m. – OCWA Luncheon
30. Nov 22 – DISTRICT OFFICE CLOSED
31. Nov 25 – 7:30 a.m. – Regular Engineering & Finance Meetings
32. Nov 26 – 7:30 a.m. – Regular Board Meeting
33. Nov 26 – 12:00 noon – South County Agencies Meeting
34. Nov 27 – 10:00 a.m. – LF Quarterly Utility Meeting
35. Nov 28 – Thanksgiving Holiday – DISTRICT OFFICE CLOSED
36. Nov 29 – DISTRICT OFFICE CLOSED
37. Nov 29 – 8:00 a.m. – TV-6 (Vergara)*

*May be canceled due to Holiday Weekend

EL TORO WATER DISTRICT

Glossary of Water Terms

Accumulated overdraft: The amount of water necessary to be replaced in the intake area of the groundwater basin to prevent the landward movement of ocean water into the fresh groundwater body.

Acre-foot, AF: A common water industry unit of measurement. An acre-foot is 325,851 gallons, or the amount of water needed to cover one acre with water one foot deep. An acre-foot serves annual needs of two typical California families.

ACWA: Association of California Water Agencies.
A statewide group based in Sacramento that actively lobbies State and Federal Government on water issues.

Advanced treatment: Additional treatment processes used to clean wastewater even further following primary and secondary treatment. Also known as tertiary treatment.

AFY: Acre-foot per year.

Alluvium: A stratified bed of sand, gravel, silt, and clay deposited by flowing water.

AMP: Allen McCulloch pipeline.

Major pipeline transporting treated water to water districts between Yorba Linda, where it starts to El Toro Water District reservoir, where it terminates.

Annexation: The inclusion of land within a government agency's jurisdiction.

Annual overdraft: The quantity by which the production of water from the groundwater supplies during the water year exceeds the natural replenishment of such groundwater supplies during the same water year.

Aqueduct: A man-made canal or pipeline used to transport water.

Aquifer: An underground geologic formation of rock, soil or sediment that is naturally saturated with water; an aquifer stores groundwater.

Arid: Dry; deserts are arid places. Semi-arid places are almost as dry as a desert.

Artesian: An aquifer in which the water is under sufficient pressure to cause it to rise above the bottom of the overlying confining bed, if the opportunity is provided.

Artificial recharge: The addition of surface water to a groundwater reservoir by human activity, such as putting surface water into recharge basins. (See also: groundwater recharge and recharge basin.)

AWWA American Water Works Association
Nationwide group of public and private water purveyors and related industrial suppliers.

Base flow: The portion of river surface flow which remains after deduction of storm flow and/or purchased imported water.

Bay-Delta: The Sacramento-San Joaquin Bay-Delta is a unique natural resource of local, state and national significance. The Delta is home to more than 500,000 people; contains 500,000 acres of agriculture; provides habitat for 700 native plant and animal species; provides water for more than 25 million Californians and 3 million acres of agriculture; is traversed by energy, communications and transportation facilities vital to the economic health of California; and supports a \$400 billion economy.

BIA: Building Industry Association.

Biofouling: The formation of bacterial film (biofilm) on fragile reverse osmosis membrane surfaces.

Biosolids: Solid organic matter recovered from a sewage treatment process and used especially as fertilizer.

BMP: Best Management Practice. An engineered structure or management activity, or combination of these, that eliminates or reduces adverse environmental effects.

Brackish water: A mixture of freshwater and saltwater.

Brown Act: Ralph M. Brown Act enacted by the State legislature governing all meetings of legislative bodies. Also known as the Open Meeting requirements.

Canal: A ditch used to move water from one location to another.

CASA: California Association of Sanitation Agencies The sanitation equivalent of ACWA concerned solely with issues affecting the treatment and disposal of solid waste and wastewater.

CEQA: California Environmental Quality Act.

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act. This federal law establishes the Superfund program for hazardous waste sites. It provides the legal basis for the United States EPA to regulate and clean up hazardous waste sites, and if appropriate, to seek financial compensation from entities responsible for the site.

CFS: Cubic feet per second.

Chloramines: A mixture of ammonia and chlorine used to purify water.

Clarify: To make clear or pure by separation and elimination of suspended solid material.

Coagulation: The clumping together of solids so they can more easily be settled out or filtered out of water. A chemical called aluminum sulfate (alum) is generally used to aid coagulation in water treatment and reclamation.

Coastkeepers: A non-profit organization dedicated to the protection and preservation of the marine habitats and watersheds of Orange County through programs of education, restoration, enforcement and advocacy.

Colored water: Groundwater extracted from the basin that is unsuitable for domestic use without treatment due to high color and odor exceeding drinking water standards.

Condensation: The process of water vapor (gas) changing into liquid water. An example of condensation can be seen in the tiny water droplets that form on the outside of a glass of iced tea as warmer air touches the cooler glass.

Confined aquifer: An aquifer that is bound above and below by dense layers of rock and contains water under pressure.

Conjunctive use: Storing imported water in a local aquifer, in conjunction with groundwater, for later retrieval and use.

Contaminate: To make unclean or impure by the addition of harmful substances.

CPCFA: California Pollution Control Financing Authority. State agency providing funds for wastewater reclamation projects.

Crisis:

1. **a:** The turning point for better or worse **b:** a paroxysmal attack of pain, distress, or disordered function **c:** an emotionally significant event or radical change of status in a person's life <a midlife *crisis*>
2. The decisive moment (as in a literary plot)
3. **a:** An unstable or crucial time or state of affairs in which a decisive change is impending; *especially* : one with the distinct possibility of a highly undesirable outcome <a financial *crisis*> **b:** a situation that has reached a critical phase

CTP Coastal Treatment Plant

CWPCA California Water Pollution Control Association. A 7000 member non-profit educational organization dedicated to water pollution control.

Dam: A barrier built across a river or stream to hold water.

Decompose: To separate into simpler compounds, substances or elements.

Deep percolation: The percolation of surface water through the ground beyond the lower limit of the root zone of plants into a groundwater aquifer.

Degraded water: Water within the groundwater basin that, in one characteristic or another, does not meet primary drinking water standards.

Delta: Where the rivers empty; an outlet from land to ocean, also where the rivers deposit sediment they carry forming landforms.

Delta Vision: Delta Vision is intended to identify a strategy for managing the Sacramento-San Joaquin Delta as a sustainable ecosystem that would continue to support environmental and economic functions that are critical to the people of California.

Demineralize: To reduce the concentrations of minerals from water by ion exchange, distillation, electro-dialysis, or reverse osmosis.

De-nitrification: The physical process of removing nitrate from water through reverse osmosis, microfiltration, or other means.

Desalting (or desalination): Removing salts from salt water by evaporation or distillation. Specific treatment processes, such as reverse osmosis or multi-stage flash distillation, to demineralize seawater or brackish (saline) waters for reuse. Also sometimes used in wastewater treatment to remove salts other pollutants.

Desilting: The physical process of removing suspended particles from water.

Dilute: To lessen the amount of a substance in water by adding more water.

Disinfection: Water treatment which destroys potentially harmful bacteria.

Drainage basin: The area of land from which water drains into a river, for example, the Sacramento River Basin, in which all land area drains into the Sacramento River. Also called catchment area, watershed, or river basin.

Drought: A prolonged period of below-average precipitation.

DPHS: California Department of Public Health Services. Regulates public water systems; oversees water recycling projects; permits water treatment devices; certifies drinking water treatment and distribution operators; supports and promotes water system security; provides support for small water systems and for improving technical, managerial, and financial (TMF) capacity; provides funding opportunities for water system improvements.

DVL: Diamond Valley Lake. Metropolitan's major reservoir near Hemet, in southwestern Riverside County.

DWR: California Department of Water Resources. Guides development/management of California's water resources; owns/operates State Water Project and other water facilities.

Endangered Species: A species of animal or plant threatened with extinction.

Endangered Species Act of 1973 (ESA): The most wide-ranging of the dozens of United States environmental laws passed in the 1970s. As stated in section 2 of the act, it was designed to protect critically imperiled species from extinction as a "consequence of economic growth and development untended by adequate concern and conservation.

Ecosystem: Where living and non-living things interact (coexist) in order to survive.

Effluent: Wastewater or other liquid, partially or completely treated or in its natural state, flowing from a treatment plant.

Evaporation: The process that changes water (liquid) into water vapor (gas).

Estuary: Where fresh water meets salt water.

Evapotranspiration: The quantity of water transpired (given off), retained in plant tissues, and evaporated from plant tissues and surrounding soil surface. Quantitatively, it is expressed in terms of depth of water per unit area during a specified period of time.

FCH Federal Clearing House – Environmental Review/Processing

FEMA Federal Emergency Management Agency

Filtration: The process of allowing water to pass through layers of a porous material such as sand, gravel or charcoal to trap solid particles. Filtration occurs in nature when rain water soaks into the ground and it passes through hundreds of feet of sand and gravel. This same natural process of filtration is duplicated in water and wastewater treatment plants, generally using sand and coal as the filter media.

Flocculation: A chemical process involving addition of a coagulant to assist in the removal of turbidity in water.

Forebay: A reservoir or pond situated at the intake of a pumping plant or power plant to stabilize water level; also, a portion of a groundwater basin where large quantities of surface water can recharge the basin through infiltration.

Gray water reuse: Reuse, generally without treatment, of domestic type wastewater for toilet flushing, garden irrigation and other non-potable uses. Excludes water from toilets, kitchen sinks, dishwashers, or water used for washing diapers.

Green Acres Project (GAP): A 7.5 million gallons per day (MGD) water reclamation project that serves tertiary treated recycled water to irrigation and industrial users in Costa Mesa, Fountain Valley, Huntington Beach, Newport Beach, and Santa Ana.

God Squad: A seven-member committee that is officially called the "Endangered Species Committee". Members consist of Secretary of the Interior, the Secretary of Agriculture, the Secretary of the Army, the Chairman of the Council of Economic Advisers, the Administrator of the National Oceanic and Atmospheric Administration and one individual from the affected state. The squad was established in 1978 by an amendment to the 1973 Endangered Species Act (ESA). It has only been called into action three times to deal with proposed federal agency actions that have been determined to cause "jeopardy" to any listed species. Such actions may receive an exemption from the ESA if five members of the committee determine that the action is of regional or national significance, that the benefits of the action clearly outweigh the benefits of conserving the species and that there are no reasonable and prudent alternatives to the action.

Groundwater: Water that has percolated into natural, underground aquifers; water in the ground, not water puddled on the ground.

Groundwater basin: A groundwater reservoir defined by the overlying land surface and the underlying aquifers that contain water stored in the reservoir. Boundaries of success-ively deeper aquifers may differ and make it difficult to define the limits of the basin.

Groundwater mining: The withdrawal of water from an aquifer in excess of recharge over a period of time. If continued, the underground supply would eventually be exhausted or the water table could drop below economically feasible pumping lifts.

Groundwater overdraft: The condition of a groundwater basin in which the amount of water withdrawn by pumping exceeds the amount of water that recharges the basin over a period of years during which water supply conditions approximate average.

Groundwater recharge: The action of increasing groundwater storage by natural conditions or by human activity. See also: Artificial recharge.

Ground Water Replenishment System (GWRS): A joint project of the Orange County Water District and the Orange County Sanitation District that will provide up to 100,000 acre-feet of reclaimed water annually. The high-quality water will be used to expand an existing underground seawater intrusion barrier and to replenish the groundwater basin underlying north and central Orange County.

Groundwater table: The upper surface of the zone of saturation (all pores of subsoil filled with water), except where the surface is formed by an impermeable body.

GPM: Gallons per minute.

Ground Water Replenishment System (GWRS): Orange County Water District's state-of-the-art, highly advanced, waste-water treatment facility.

Hydrologic balance: An accounting of all water inflow to, water outflow from, and changes in water storage within a hydrologic unit over a specified period.

Hydrologic cycle: The process of water constantly circulating from the ocean, to the atmosphere, to the earth in a form of precipitation, and finally returning to the ocean.

Imported water: Water that has originated from one hydrologic region and is transferred to another hydrologic region.

Inflatable rubber dams: Designed to replace temporary sand levees that wash out during heavy storm flow, the dams hold back high-volume river flows and divert the water into the off-river system for percolation.

Influent: Water or wastewater entering a treatment plant, or a particular stage of the treatment process.

Irrigation: Applying water to crops, lawns or other plants using pumps, pipes, hoses, sprinklers, etc.

JPIA Joint Powers Insurance Authority. A group of water agencies providing self-insurance to members of the ACWA.

LAIF Local Agency Investment Fund. Statewide pool of surplus public agency money managed by State Treasurer.

Leach: To remove components from the soil by the action of water trickling through.

MAF: Million acre feet.

MCL: Maximum contaminant level set by EPA for a regulated substance in drinking water. According to health agencies, the maximum amount of a substance that can be present in water that's safe to drink and which looks, tastes and smells good.

MET: Metropolitan Water District of Southern California.

MGD: Million gallons per day.

Microfiltration: A physical separation process where tiny, hollow filaments members separate particles from water.

Microorganism: An animal or plant of microscopic size.

MWD: Metropolitan Water District of Southern California.

MWDOC: Municipal Water District of Orange County. Intermediate wholesaler between MWD and 27 member agencies including ETWD.

Non-point source pollution: Pollution that is so general or covers such a wide area that no single, localized source of the pollution can be identified.

NPDES National Pollution Discharge Elimination System

OCBC: Orange County Business Council.

OCEMA Orange County Environmental Management Agency

OCWD: Orange County Water District.

Opportunity:

1. A favorable juncture of circumstances.
2. A good chance for advancement or progress .

Organism: Any individual form of life, such as a plant, animal or bacterium.

PCM Professional Community Management, Inc. Property Management company providing services to Laguna Woods Village and other homeowner associations.

Perched groundwater: Groundwater supported by a zone of material of low permeability located above an underlying main body of groundwater with which it is not hydrostatically connected.

Percolation: The downward movement of water through the soil or alluvium to the groundwater table.

Permeability: The capability of soil or other geologic formations to transmit water.

Point source: A specific site from which waste or polluted water is discharged into a water body, the source of which is identified. See also: non-point source.

Potable water: Suitable and safe for drinking.

PPB: Parts per billion.

Precipitation: Water from the atmosphere that falls to the ground as a liquid (rain) or a solid (snow, sleet, hail).

Primary treated water: First major treatment in a wastewater treatment facility, usually sedimentation but not biological oxidation.

Primary treatment: Removing solids and floating matter from wastewater using screening, skimming and sedimentation (settling by gravity).

Prior appropriation doctrine: Allocates water rights to the first party who diverts water from its natural source and applies the water to beneficial use. If at some point the first appropriator fails to use the water beneficially, another person may appropriate the water and gain rights to the water. The central principle is beneficial use, not land ownership.

Pumping Plant: A facility that lifts water up and over hills.

Recharge: The physical process where water naturally percolates or sinks into a groundwater basin.

Recharge basin: A surface facility, often a large pond, used to increase the infiltration of surface water into a groundwater basin.

Reclaimed wastewater: Wastewater that becomes suitable for a specific beneficial use as a result of treatment. See also: wastewater reclamation.

Reclamation project: A project where water is obtained from a sanitary district or system and which undergoes additional treatment for a variety of uses, including landscape irrigation, industrial uses, and groundwater recharge.

Recycling: A type of reuse, usually involving running a supply of water through a closed system again and again. Legislation in 1991 legally equates the term "recycled water" to reclaimed water.

Reservoir: A place where water is stored until it is needed. A reservoir can be an open lake or an enclosed storage tank.

Reverse osmosis: (RO) A method of removing salts or other ions from water by forcing water through a semi-permeable membrane.

RFP Request for Proposal

Riparian: Of or on the banks of a stream, river, or other body of water.

RO: Reverse osmosis. See the listing under "reverse osmosis."

R-O-W Right-of-way

Runoff: Liquid water that travels over the surface of the Earth, moving downward due to gravity. Runoff is one way in which water that falls as precipitation returns to the ocean.

RWQCB Regional Water Quality Control Board. State agency regulating discharge and use of recycled water.

Safe Drinking Water Act (SDWA): The Safe Drinking Water Act (SDWA) was originally passed by Congress in 1974 to protect public health by regulating the nation's public drinking water supply. The law was amended in 1986 and 1996 and requires many actions to protect drinking water and its sources: rivers, lakes, reservoirs, springs, and ground water wells. (SDWA does not regulate private wells which serve fewer than 25 individuals.) SDWA authorizes the United States Environmental Protection Agency (US EPA) to set national health-based standards for drinking water to protect against both naturally-occurring and man-made contaminants that may be found in drinking water. US EPA, states, and water systems work together to make sure that these standards are met.

Safe yield: The maximum quantity of water that can be withdrawn from a groundwater basin over a long period of time without developing a condition of overdraft, sometimes referred to as sustained yield.

SAFRA Santa Ana River Flood Protection Agency

Salinity: Generally, the concentration of mineral salts dissolved in water. Salinity may be measured by weight (total dissolved solids - TDS), electrical conductivity, or osmotic pressure. Where seawater is known to be the major source of salt, salinity is often used to refer to the concentration of chlorides in the water.

SAWPA: Santa Ana Watershed Project Authority.

SCADA Supervisory Control and Data Acquisition

SCAP Southern California Alliance of Publicly. Newly formed group of public agencies seeking reasonable regulation of sewer industry.

SCH State Clearing House – Environmental Review/Processing

Seasonal storage: A three-part program offered by Metropolitan Water District of Southern California:

STSS (Short Term Seasonal Storage) financially encourages agencies with local groundwater production capabilities to produce a higher percentage of their demand in the summer from their local groundwater supplies, thus shifting a portion of their demand on the MWD system from the summer to winter;

LTSS (Long Term Seasonal Storage) financially encourages retail agencies to take and store additional amounts of MWD water above their normal annual demands for later use; Replenishment Water provides less expensive interruptible water that is generally available and used to increase the operating yield of groundwater basins.

Seawater intrusion: The movement of salt water into a body of fresh water. It can occur in either surface water or groundwater basins.

Seawater barrier: A physical facility or method of operation designed to prevent the intrusion of salt water into a body of freshwater.

Secondary treatment: The biological portion of wastewater treatment which uses the activated sludge process to further clean wastewater after primary treatment. Generally, a level of treatment that produces 85 percent removal efficiencies for biological oxygen demand and suspended solids. Usually carried out through the use of trickling filters or by the activated sludge process.

Sedimentation: The settling of solids in a body of water using gravity.

Settle: To clarify water by causing impurities/solid material to sink to a container's bottom.

Sewer: The system of pipes that carries wastewater from homes and businesses to a treatment plant or reclamation plant. Sewers are separate from storm drains, which is a system of drains and pipes that carry rain water from urban streets back to the ocean. Overwatering your yard can also cause water to run into the streets and into storm drains. Storm drain water is not treated before it is discharged.

SigAlert: Any unplanned event that causes the closing of one lane of traffic for 30 minutes or more, as opposed to a planned event, like road construction, which is planned.

SJBA San Juan Basin Authority

Sludge: The solids that remain after wastewater treatment. This material is separated from the cleaned water, treated and composted into fertilizer. Also called biosolids.

SOCWA South Orange County Wastewater Authority. Regional Joint Powers Authority formed for collection and treatment of sewerage (previously known as AWMA/SERRA/SOCRA). SOCWA member agencies:

CSC – City of San Clemente

CSJC – City of San Juan Capistrano

CLB – City of Laguna Beach

ETWD – El Toro Water District

EBSD – Emerald Bay Service District

IRWD – Irvine Ranch Water District

MNWD – Moulton Niguel Water District

SCWD – South Coast Water District

SMWD – Santa Margarita Water District

TCWD – Trabuco Canyon Water District

SRF State Revolving Fund

Storm Drain: The system of pipes that carries rain water from urban streets back to the ocean. Overwatering your yard can also cause water to run into the streets and into storm drains. Storm drain

water is not treated before it is discharged. Storm drains are separate from sewers, which is a separate system of pipes to carry wastewater from homes and businesses to a treatment plant or reclamation plant for cleaning.

Storm flow: Surface flow originating from precipitation and run-off which has not percolated to an underground basin.

SWP: State Water Project. An aqueduct system that delivers water from northern California to central and southern California.

SWRCB State Water Resources Control Board

TDS: Total dissolved solids. A quantitative measure of the residual minerals dissolved in water that remain after evaporation of a solution. Usually expressed in milligrams per liter.

Tertiary treatment: The treatment of wastewater beyond the secondary or biological stage. Normally implies the removal of nutrients, such as phosphorous and nitrogen, and a high percentage of suspended solids.

THM: Trihalomethanes. Any of several synthetic organic compounds formed when chlorine or bromine combine with organic materials in water.

TMA: Too many acronyms.

TMDL: Total maximum daily load; A quantitative assessment of water quality problems, contributing sources, and load reductions or control actions needed to restore and protect bodies of water.

Transpiration: The process in which plant tissues give off water vapor to the atmosphere as an essential physiological process.

Turbidity: Thick or opaque with matter in suspension; muddy water.

Ultraviolet light disinfection: A disinfection method for water that has received either secondary or tertiary treatment used as an alternative to chlorination.

VE Value Engineering

VOC: Volatile organic compound; a chemical compound that evaporates readily at room temperature and contains carbon.

Wastewater: Water that has been previously used by a municipality, industry or agriculture and has suffered a loss of quality as a result.

Water Cycle: The continuous process of surface water (puddles, lakes, oceans) evaporating from the sun's heat to become water vapor (gas) in the atmosphere. Water condenses into clouds and then falls back to earth as rain or snow (precipitation). Some precipitation soaks into the ground (percolation) to replenish groundwater supplies in underground aquifers.

Water rights: A legally protected right to take possession of water occurring in a natural waterway and to divert that water for beneficial use.

Water-use Efficiency: The water requirements of a particular device, fixture, appliance, process, piece of equipment, or activity.

Water year (USGS): The period between October 1st of one calendar year to September 30th of the following calendar year.

Watermaster: A court appointed person(s) that has specific responsibilities to carry out court decisions pertaining to a river system or watershed.

Water Reclamation: The treatment of wastewater to make it suitable for a beneficial reuse, such as landscape irrigation. Also called water recycling.

Watershed: The total land area that from which water drains or flows to a river, stream, lake or other body of water.

Water table: The top level of water stored underground.

WEF Water Environment Federation. Formerly – Water Pollution Control Federation (WPCF). International trade group advising members of sewage treatment techniques and their effect on the environment.

Weir box: A device to measure/control surface water flows in streams or between ponds.

Wellhead treatment: Water quality treatment of water being produced at the well site.

Wetland: Any area in which the water table stands near, at, or above the land surface for a portion of the year. Wetlands are characterized by plants adapted to wet soil conditions.

Xeriscape: Landscaping that requires minimal water.