

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**

**June 25, 2020**

**7:30 a.m.**

This Meeting is being conducted in accordance with Governor Newsom's Executive Order N-29-20 (Paragraph 3) and the conditions specified therein which waive certain provisions of the Brown Act.

In an effort to protect public health and prevent the spread of COVID-19 (Coronavirus), and in accordance with the Governor's Executive Order N-29-20, **there will be no public location for attending in person.**

The Order allows all Board Members to participate telephonically in the Meeting from remote locations. As such, Directors Monin, Gaskins, Vergara, Freshley and Havens will be participating telephonically.

Members of the public who wish to comment on any item within the jurisdiction of the District or on any item on the agenda, may observe and address the Meeting by joining at this link: <https://us02web.zoom.us/j/89679050277>. (Meeting ID: 896 7905 0277). Members of the public who wish only to listen to the telephonic meeting may dial in at the following numbers (669) 900-6833 or (346) 248-7799 with the same Meeting ID noted above.

**CALL MEETING TO ORDER – President Monin**

**PLEDGE OF ALLEGIANCE – Director Freshley**

**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 may 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.)

**1. 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)

- a. Consider approving the minutes of the May 28, 2020 Board meeting (Minutes Included)

**Recommended Action:** The Board will be requested to approve the subject minutes.

**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.

**2. Director Reports for Meetings Attended (Oral Report)**

## GENERAL MANAGER ACTION ITEMS

3. **California Special Districts Association (CSDA) Board of Directors – Southern Network – Seat C** (Reference Material Included)

Staff will review and comment on the candidates running for the CSDA Board of Directors – Southern Network, Seat C.

**Recommended Action:** Staff recommends that the Board of Directors consider supporting a candidate to the CSDA Southern Network, Seat C board position, and to authorize the General Manager to complete and provide the ballot to CSDA by the July 10, 2020 5:00 p.m. deadline.

4. **Resolution No. 20-6-1 Modifying Standing and External Organization Board and Staff Assignments for Calendar Year 2020**  
(Reference Material Included)

Staff will review and comment on Resolution No. 20-6-1 modifying Standing and External Organization Board and Staff Assignments for calendar year 2020.

**Recommended Action:** Staff recommends approval of Resolution No. 20-6-1 modifying Standing and External Organization Board and Staff Assignments for calendar year 2020.

### RESOLUTION NO. 20-6-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
EL TORO WATER DISTRICT  
MODIFYING STANDING AND EXTERNAL ORGANIZATION  
BOARD AND STAFF ASSIGNMENTS  
FOR CALENDAR YEAR 2020

5. **COVID-19 Update** (Reference Material Included)

Staff will provide an update on the status of the District response to the COVID-19 pandemic. Staff will provide a further update on the utilization of the Emergency Administrative Leave originally authorized at the March 23, 2020 Board Meeting and extended at the April 23, 2020 and May 28, 2020 Board Meetings. The Employee Handbook, as amended, authorizes 160 hours per employee and requires Board approval for extensions of Emergency Administrative Leave.

**Recommended Action:** Staff recommends the Board of Directors grant the General Manager discretion to extend the use of Emergency Administrative Leave, as necessary up to 160 hours per employee, until the July 23 meeting of the Board of Directors.

## GENERAL MANAGER INFORMATION ITEMS

6. **General Manager's Monthly Report** (Report Included)

Staff will review and comment on the General Manager's Monthly Report.

7. **Legislative Reports** (Reference Materials Included)

Staff and General Counsel will review and comment on the Legislative reports.

8. **Public Education and Outreach & Water Conservation Reports**  
(Reference Material Included)

9. **SOCWA Reports** (Reference Material Included)

- a. SOCWA Board Meeting – June 4, 2020
- b. SOCWA Engineering Committee Meeting – June 11, 2020
- c. SOCWA Finance Committee Meeting – June 23, 2020

10. **Municipal Water District Of Orange County (MWDOC) Report**  
(Reference Material Included)

- a. MWDOC Planning & Operations – June 1, 2020
- b. MWDOC/MET Directors Workshop – June 3, 2020
- c. MWDOC Administration & Finance Committee – June 10, 2020
- d. MWDOC Public Affairs & Legislation – June 15, 2020
- e. MWDOC Board Meeting – June 17, 2020
- f. MWDOC Managers Meeting – June 18, 2020

11. **Local Agency Formation Commission (LAFCO) Report**

- a. Report on the June 10, 2020 meeting - canceled

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

- a. Report on the June 1, 2020 Management Committee meeting.

13. **ISDOC Meetings** (Reference Material Included)

- a. Report on the June 2, 2020 ISDOC Executive Committee meeting.

**14. WACO Meetings** (Reference Material Included)

- a. Report on the June 5, 2020 WACO Meeting
- b. Report on the June 16, 2020 WACO Planning Committee meeting

**15. City Coordination Efforts**

There was no meeting.

**COMMITTEE AND GENERAL INFORMATION**

**16. Dates to Remember for June/July 2020** (Reference Material Included)

**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) (4) to consult with legal counsel and staff regarding the initiation of litigation (Quiet Title Action) regarding the District's Oso Lift Station Site. (Special Counsel, Jennifer Pancake will participate offsite with regard to Item 1).
2. At this time, the Board will go into Closed Session pursuant to Government Code Section 54956.9 (d) (1) to consult with legal counsel and staff on a matter of pending litigation. [Class Action] *Kessner et al. v. City of Santa Clara, et al.* (Santa Clara County Superior Court - Case No. 20 CV 364054).
3. 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 (one matter).

**REGULAR SESSION**

**REPORT ON CLOSED SESSION** (Legal Counsel)

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

## **ADJOURNMENT TO 7:30 a.m., Thursday, July 23, 2020**

*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  
May 28, 2020

President Monin called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 a.m. on May 28, 2020.

Director Havens led in the Pledge of Allegiance to the flag.

Roll Call:

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

The Board Secretary confirmed that we have a quorum at today's regular Board meeting via Zoom.

Also present via Zoom were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, GILBERT J. GRANITO, General Counsel, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, BOBBY YOUNG, Principal Engineer, RORY HARNISCH, Project Engineer, KEITH STRIBLING, HIGHMARK Representative, WYATT MCCLEAN, Customer, ASHLEY RENNER, Customer, and POLLY WELSCH, Recording Secretary.

NEELY SHAHBAKHTI, Finance Manager/Controller, was absent.

Oral Communications - Public Comments

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

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 April 23, 2020 Board meeting minutes.
2. Consider approving the May 7, 2020 Special Board meeting minutes.

President Monin asked for a Motion.

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

Roll Call Vote:

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



## Quarterly Review of the District's 401(k) Retirement Savings Plan

Mr. Stribling stated that it has been a rough quarter. He further stated that pages 9 – 15 show the individual portfolio Investment Returns.

Mr. Stribling acknowledged the portfolio investment returns underperformed relative to the benchmark.

Mr. Stribling stated that for the cause of these negative numbers included Fixed Income and the pandemic hit and the economy closed. He further stated that risk creates credit spreads widening, and we didn't have any high yields in the portfolio.

Mr. Stribling stated that interest rates collapsed, so the 10-year Treasury went from 1.9% to 33 basis points and in the process credit spreads widened out but bonds went down while Treasuries went up, so all of the portfolios have investment grade and other types of credit in them in very lower amount of Treasuries than the Barclays benchmark.

Mr. Stribling stated that the stock oriented funds were only off 100-110 basis points of which 30-40% was Fixed Income. He further stated that the other half was Value Funds.

Mr. Stribling stated that the Large Cap and Value Cap also underperformed their benchmark. He further stated that Fixed Income and Value were 90% of the benchmark relative to underperformance.

Mr. Stribling stated that April was a better month where the portfolios were up 35 basis points. He further stated that Capital Appreciation was up 10%, Capital Preservation was up 4%, so they recovered from 60-75% of the

loss in the first part of the year, and the portfolios were up 35 basis points to equal the benchmark returns.

Mr. Stribling stated that in looking at the unofficial numbers for May, Capital Appreciation is up about 4.5%, and Capital Preservation is up just under 2% so year-to-date the Capital Appreciation portfolio through yesterday is up 1% and Capital Preservation is down slightly less than 1%.

Mr. Stribling stated that they did take de-risking action during the quarters and we are slightly under weight on Small and Mid Cap, Equities are slightly down, and we have no high Yield in the portfolios.

President Monin stated that the AQR funds are the only two star ratings which is good. Mr. Stribling stated that he inquired about the AQR funds and one of them is market style oriented and one is market neutral so one underperformed, and the other was long on value but short on growth.

Mr. Stribling stated that they made some changes to the Alternatives portfolio. He further stated that they removed the Arbitrage fund and placed the money in an event-driven fund which has more opportunities than just merger. He then stated that they switched one of the managed future funds into a new fund because the two managed future funds they had were too similar, so the new fund has shorter signals in it and may react quicker.

President Monin stated that when funds are speeded up, we could get whipsawed. Mr. Stribling replied that he is aware of this risk and is monitoring the speed up funds.

Mr. Stribling stated that he moved out of the Blackstone Alternative Strategy fund because Blackrock was running it for their own in-house strategies, and it could create a potential conflict of interest and was pretty volatile during the downturn. He further stated that we sold the Western Asset Macro Fixed Income Alternative fund because as a firm they abandoned their hedges and became long only credit which is not the intent in our strategy when we originally moved into it.

Mr. Stribling stated that we added a new fund which is a Blackstone Factor fund that uses artificial machine learning.

Mr. Stribling stated that on page 25, the Holdings report Fixed Income funds performed well long-term. He further stated that the Dodge & Cox fund which is a Large Cap Value fund, has a great long-term track record and tends to make its money in bunches.

Mr. Stribling stated that the Small Cap Value funds didn't do well.

Director Freshley stated that it would seem many of them are investing in the same businesses and markets, it's just a distribution in different funds, and asked if this is correct. Mr. Stribling replied that in the Large Cap category there are two growth funds which do fish in the same pond of Large Cap Growth companies, and there are two Large Cap Value funds which also fish in the same pond, but it's a different pond than the Large Cap Growth manager.

President Monin stated that this term is called "overlap", and there is always some overlap when portfolios are put together.

At approximately 8:22 a.m. Mr. Stribling left the meeting.

Director Reports for Meetings Attended

Director Havens stated that she attended WACO, MWDOC Planning/Operations meeting, CAG, the Special Board meeting, the regular Engineering/Finance meeting, the regular Board meeting, MWDOC Board meeting, and MWDOC Public Affairs.

Vice President Gaskins stated that he attended WACO, the Special Board meeting, the regular Engineering/Finance meeting, the regular Board meeting, Pres/VP/GM meeting, RRC meeting, SOCWA Board meeting, LAFCO, CAG, and MWDOC Public Affairs.

Director Freshley stated that she attended WACO, MWDOC Board meeting, MWDOC/MET Directors workshop, the Special Board meeting, the regular Engineering/FIC meeting, the regular Board meeting, the Budget Committee meetings, SOCWA Finance meeting, SOCWA Board meeting, CAG meeting, LAFCO, and the Laguna Woods City Council meeting.

Director Vergara stated that he attended WACO, MWDOC Planning/Operations, MWDOC/MET Directors workshop, the Special Board meeting, the regular Engineering/FIC meeting, the regular Board meeting, CAG, WACO Planning, and the South Orange County Economic Coalition.

President Monin stated that he attended the Special Board meeting, the regular Engineering/FIC meeting, the regular Board meeting, the Budget Committee meetings, Pres/VP/GM meeting, CAG, Emergency Management Council meeting, MWDOC Admin/Finance meeting, MWDOC Board meeting,

OCCOG, MWDOC/MET Directors workshop, WACO, ACWA Finance meeting, WACO Planning, Agenda Review meeting, Laguna Hills City Council meeting, Mission Viejo City Council meeting, a meeting with Sat Tamaribuchi of MWDOC, and the Laguna Woods City Council meeting.

President Monin stated that the meeting with Sat was to discuss one of their Board members discussions with neighboring water agencies, and to discuss MWDOC's survey. Vice President Gaskins stated that he felt the value of the meeting was for Sat to understand what our position and direction is, and he provided his viewpoint on what's going on at MWDOC. Mr. Cafferty stated that we need to continue to solidify open communication and dialogue on where ETWD stands on some issues.

Director Vergara stated that the MWDOC Directors are elected at large, and the member agencies should provide input to them.

Director Freshley asked if MWDOC dropped the economic survey. Mr. Cafferty replied no, although it is not included in their budget, they continue to review it.

#### General Manager Action Items

#### Resolution No. 20-5-1 Amending the Directors Compensation Policy Statement 1993-10 (IV)

Mr. Cafferty stated that the point of this item is to simplify the compensation reports and provide consistency by synching the Directors Compensation Policy with the adopted Committee Assignments. He further stated that paragraph D on the first page includes the meetings listed on the

## Standing Committee Assignments.

Mr. Cafferty stated that language was added so that if the Committee Assignments need to change, the President has the ability to approve a meeting not specifically identified in the list; however if it is a meeting that will be recurring, we would make an amendment to be approved by the Board.

Mr. Cafferty stated that several Directors are participating on ACWA Committees that are beneficial to the District and ACWA, but these Committees are not specifically listed on the Committee Assignment list. He further stated that anyone serving on an ACWA Committee should let Ms. Welsch know so we can get these meetings on the list.

Mr. Cafferty stated that the Committee Assignments list two Board members attending the MWDOC meetings, although we have encouraged all Directors to attend the meetings.

Mr. Cafferty stated that the Directors Compensation reports are being amended to list all meetings which the Directors may attend, and they will fill in only the meetings they attended for the month, Ms. Welsch will condense the reports to reflect only the meetings attended, then return the form to the Directors for review and signature.

Director Vergara stated that he agrees that we should list all meetings attended.

President Monin asked for a Motion.

Motion: Vice President Gaskins made a Motion, seconded by Director Freshley, and unanimously carried across the Board to adopt Resolution No. 20-5-1 amending the Directors Compensation Policy Statement 1993-10 (IV).

Roll Call Vote:

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

COVID-19 Update

Mr. Cafferty stated that a number of agencies are working to get back to live meetings, and staff is working on options for spacing in the Board room. Mr. Cafferty emphasized that staff is preparing but direction for any form of live meeting will come only from the Board.

President Monin stated that he has attended some live meetings at other agencies where social distancing was observed.

Director Havens cautioned others to be observant and continue practicing social distancing.

Director Vergara stated that the reason we went into confinement was to avoid getting sick all at the same time, and he would like to continue using Zoom and stay at home.

Director Freshley stated that she understands the need to continue using Zoom, but she is comfortable being around others if the Board chooses to hold live meetings.

Mr. Cafferty stated that the District has taken precautions such as face masks, hand sanitizer, disinfecting wipes, and thermometers which will be part of the business resumption plan.

Mr. Cafferty stated that the Emergency Administrative Leave is being used to accommodate the current staffing restrictions and for the 4 staff members that must stay at home during this pandemic.

Director Freshley asked what positions at the District these 4 staff members play. Mr. Cafferty stated that 2 are from the Pump Stations crew, and 2 are from the Main office.

President Monin asked for a Motion.

Motion: Director Havens made a Motion, seconded by Vice President Gaskins and unanimously carried across the Board to grant the General Manager discretion to extend the use of the Emergency Administrative Leave as necessary up to 160 hours per employee, until the June 25 meeting of the Board of Directors.

Roll Call Vote:

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

General Manager Information Items

General Manager's Monthly Report

Vice President Gaskins noted that on the list of meetings that the General Manager attended, there was an all employee meeting, and asked



what was discussed. Mr. Cafferty replied that we have had a few staff meetings via zoom. He further stated that we are updating staff on Board actions, recent events, and keeping safe while the pandemic continues.

Mr. Cafferty stated that the District received an unsolicited offer from a real estate developer in the amount of \$16 million for the main office property. He further stated that staff is reviewing whether there is any property available in the District's service area that could replicate the current main office property without compromising the ability to operate. Mr. Cafferty stated that the costs of developing an alternative would need to be significantly less than what we could make from selling this property and staff has not identified an opportunity that would meet that need.

Mr. Cafferty stated that the only possibility might be the old filtration plant site, and even that is significantly smaller than our current site and the traffic conditions through the residential area would be challenging.

President Monin stated that he has reviewed the Ridge Route site and there is room there. He then asked if we have heard anything back from the real estate developer. Mr. Cafferty replied no, not since their estimation of what they feel our property is worth.

Vice President Gaskins stated that unless there is a clear advantage to the District, the disruption outweighs the inconvenience.

Mr. Cafferty stated that Brett Barbre is resigning from the MET Board no later than June 26<sup>th</sup> and MWDOC will need to replace his seat. He further stated that currently Brett Barbre, Larry Dick, Linda Ackerman, and Larry

McKenney are MET Directors.

Mr. Cafferty stated that Brett Barbre, Larry Dick, Joan Finnegan, Sat Tamaribuchi, Megan Yoo Schneider, Bob McVicker, and Jeff Thomas are MWDOC Directors, and one of them, excluding Brett Barbre and Joan Finnegan, will need to also be a MET Director.

Director Vergara stated that the South County agencies need to be represented on the MET Board. Mr. Cafferty stated that the Settlement Agreement indicated that one of the MET Board members would be from South Orange County. He further stated that the Settlement Agreement also established the Core and Choice programs, but the Settlement Agreement has since expired.

#### Battery Storage Project at WRP

Mr. Cafferty introduced Mr. Harnisch, Project Engineer, who presented a detailed overview of the battery storage project at the WRP. He further stated that the system has not been performing as well as expected for several months.

Mr. Harnisch stated that in 2018 the District entered into a contract with Advanced Microgrid Solutions (AMS), and agreed to pay a monthly fee of \$1,590 to AMS, and in turn AMS provides the maintenance of the system and access to a website portal with real-time system data and a minimum guaranteed cost savings of \$19,080 per year to the District.

Mr. Harnisch stated that there was no up-front cost to the District for the installation and setup of this system.

Mr. Harnisch stated that there were several failures to the system which included not discharging properly, system not recharging due to historical data not being accurate to plant load data, and battery communication errors. He further stated that there is reason to believe the system has the potential for improved performance in the future, and staff will continue to work with AMS to monitor the system's performance.

Director Havens asked if AMS is a subcontractor for So Cal Edison. Mr. Harnisch replied that they must have an agreement that allows them to discharge our batteries and other battery networks that AMS operates.

Director Vergara asked that due to an abundance of these types of projects in the area, is it possible that SCE doesn't have peak periods anymore. Mr. Harnisch replied yes, but the amount of savings from SCE are not as significant as the peak shaving type of discharge, because they are separate events.

Director Freshley asked if the battery kicks in before or after the meter. Mr. Harnisch replied that the battery energy is used after the meter.

Mr. Cafferty stated that we are not sending power back to SCE's grid. He further stated that So Cal Edison has a Self-Generated Incentive Program (SGIP) which is a grant program between them and AMS.

Mr. Cafferty stated that we have a 10-year contract with AMS and at the end of the contract, we have options to take over the system or ask AMS to remove the system and restore the property to its original condition.

At approximately 9:45 a.m. Mr. Harnisch left the meeting.

### Legislative Reports

Mr. Cafferty stated that SB 1386 is a bill authored by Senator Moorlach that is designed to deal with the challenge to the ability for water agencies to charge rate revenue to support fire systems and fire system capacity in their distribution systems. He further stated that there is a class action lawsuit naming 81 water agencies throughout the state challenging this issue.

Mr. Cafferty stated that the bill passed a Senate Committee 7-0 and they are hoping to move it through the Assembly after their summer recess and potentially pass this year, and at this time there is no opposition to the bill.

### Public Education and Outreach & Water Conservation Reports

Ms. Seitz stated that staff continues to outreach to customers regarding COVID-19 through bill messaging. She further stated that we sent an email yesterday on flushing guidance for reopening buildings that have been closed for an extended period of time.

Ms. Seitz stated that staff is working on a bill stuffer to go out early next week. She further stated that staff tried to film Mr. Cafferty for a Public Service Announcement (PSA), but the equipment failed, so staff from Laguna Woods Television offered to come out and film the PSA.

Ms. Seitz stated that staff is working on a newsletter. She further stated that the Water Quality report will go out in mid-June.

Director Freshley asked if there is a way to get the PSA's out to homes in our service area that don't have TV-6. Mr. Cafferty replied that the PSA

will also be on the District's website and staff will send emails to the HOA's for distribution to their residents.

### SOCWA Reports

Mr. Cafferty stated that he attended the SOCWA Managers meeting which was a coordination meeting to share information of what's going on during the pandemic. He further stated that the SOCWA Finance meeting discussed SOCWA's budget, which was forwarded to their Board meeting and adopted.

Director Freshley stated that for our agency we have a \$450,000 obligation for unfunded pensions at SOCWA and we may consider options of how to fund this obligation. She further stated that they also discussed a SOCWA Performance Measurement Study that compared SOCWA to 20 similar agencies throughout the state and provided ranking on SOCWA.

### MWDOC

Mr. Cafferty stated that at the MWDOC Planning & Operations meeting and the MWDOC Admin/Finance meetings they discussed the hydraulic model funding.

Director Vergara stated that at the MWDOC/MET Directors workshop they discussed the IRP.

Vice President Gaskins stated that at the MWDOC Public Affairs meeting there were reports from the various lobbyists and PFAS issues.

President Monin stated that at the MWDOC Board meeting they discussed positioning for MET Directors in the future, and committee reports.

Mr. Cafferty stated that at the MWDOC Managers meeting they discussed issues hitting the MWDOC Board without discussion with the member agencies.

#### LAFCO

Vice President Gaskins stated that the meeting did not go well with people dropping in and out with difficulty in participation.

Director Freshley stated that the budget was passed, and obligations for Special Districts, and passed a 3-year MOU with Cal State Fullerton for background data with the County, and updated the Emergency Leave Act.

#### SOCWMA

Director Havens stated that they sent a notice that you could review the IRWM on their website.

#### ISDOC

There were no comments.

#### WACO

President Monin stated that at the WACO meeting they discussed COVID-19.

Director Vergara stated that at the WACO Planning meeting they decided to invite Carolyn Emmet, Director of the Department of Water Resources to speak at a future meeting.

#### City Coordination Efforts

There were no comments.

Committee and General Information

There were no comments.

Dates to Remember for May/June 2020

Director Havens suggested saving the dates of July 7<sup>th</sup> and/or July 8<sup>th</sup> from 9:00 am – 1:00 pm for the University of California Plant Trials.

Carry Over Pending Matters

There were no comments.

Comments Regarding Non-Agenda Items

There were no comments.

Attorney Report

Mr. Granito reported that there is no need for a Closed Session today so regular session continued.

Adjournment

There being no further business to come before the Board the meeting was adjourned at 10:20 a.m. to Thursday, June 25, 2020 at 7:30 a.m. at the District's Administrative Offices at 24251 Los Alisos Blvd, Lake Forest, CA. 92630.

Respectfully submitted,

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POLLY WELSCH  
Recording Secretary

APPROVED:

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MARK L. MONIN, President of  
the El Toro Water District and the  
Board of Directors thereof

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





## **STAFF REPORT**

**TO: BOARD OF DIRECTORS**

**MEETING DATE: June 25, 2020**

**FROM: Dennis Cafferty, General Manager**

**SUBJECT: California Special Districts Association (CSDA) Board of Directors  
Election Ballot – Southern Network Region, Seat C – Term 2021-2023**

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The leadership of CSDA is elected from its six geographical networks. Each of the six networks has three seats on the board with staggered three year terms. Candidates must be either a board member or management level employee with an independent special district that is a CSDA Regular Member in good standing and located within the Southern Network (see attached CSDA Network Map). Each Regular Member (district) in good standing shall be entitled to vote for one (1) person to represent its Network in Seat C.

The following candidates are running for Seat C for the 2021-2023 term.

Arlene Schafer – Board Member – Costa Mesa Sanitary District (Incumbent)

Ronald Coats – Board Member – East Valley Water District

Daniel Jagers – General Manager – Beaumont-Cherry Valley Water District

Greg Mills – Vice President/Board Member – Serrano Water District

## **RECOMMENDATION**

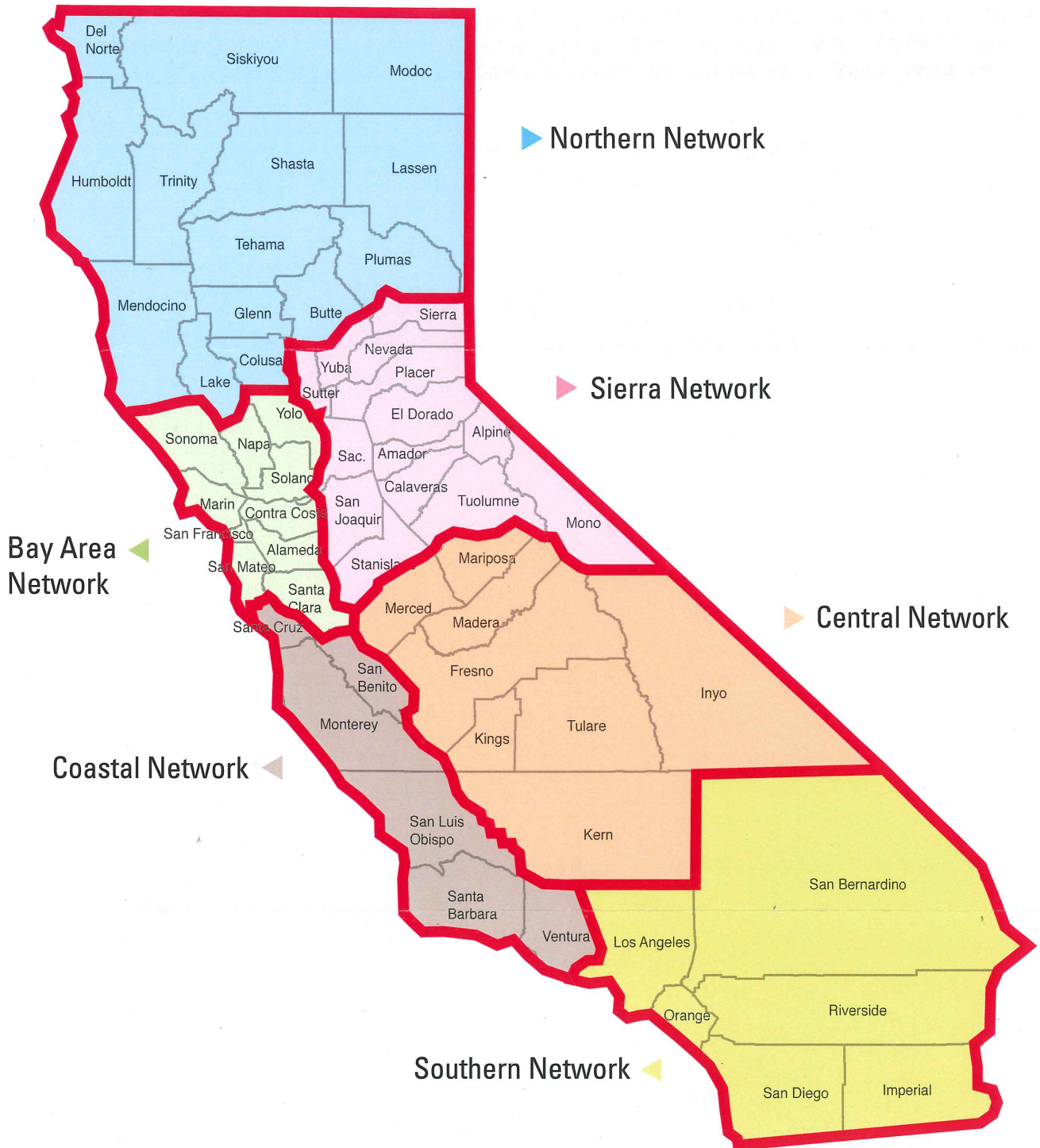
### **Recommended Action at the June 25, 2020 Board Meeting:**

Staff recommends that the Board of Directors consider supporting a candidate to the CSDA Southern Network, Seat C board position, and to authorize the General Manager to complete and provide the ballot to CSDA by the July 10, 2020 5:00 p.m. deadline.



California Special Districts Association

# DISTRICT NETWORKS





**California Special  
Districts Association**  
*Districts Stronger Together*

## 2021-2023 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Arlene Schafer

District/Company: Costa Mesa Sanitary District

Title: Board Secretary

Elected/Appointed/Staff: Elected

Length of Service with District: 20

**1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):**

Current CSDA Board member, Legislation Committee member, Professional Development Committee member, Alliance Executive Council Committee member, Member Services Committee, Finance Committee member.

**2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):**

League, California Association Sanitation Agencies (CASA)

**3. List local government involvement (such as LAFCo, Association of Governments, etc.):**

Orange County LAFCO Chair, Orange County Council of Governments, Independent Special Districts Orange County

**4. List civic organization involvement:**

Harbor Mesa Lions, Costa Mesa Chamber of Commerce Government Association Committee

**\*\*Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after March 26, 2020 will not be included with the ballot.**

# ELECT ARLENE SCHAFFER CALIFORNIA SPECIAL DISTRICTS ASSOCIATION SOUTHERN NETWORK, SEAT C

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## Arlene Schaffer – Secretary Costa Mesa Sanitary District



### PREVIOUS EXPERIENCE

#### SERVING SPECIAL DISTRICTS

- ◆ OC LAFCO Chair
  - ◆ CSDA Board President
  - ◆ CSDA Board Vice President
  - ◆ CSDA Board Secretary
  - ◆ CSDA Finance Corporation
  - ◆ CSDA Legislation Committee
  - ◆ CSDA Fiscal Committee
  - ◆ CSDA Membership Committee
  - ◆ Independent Special Districts Orange County (ISDOC) Second Vice President
- 

It has been an honor to serve as your Southern Network, Seat C representative for the past 12 years. I believe my 28 years of experience as a local government leader that includes 20 years serving special districts in a variety of different capacities makes me the best candidate. I believe it is important for CSDA to continue serving as an advocate for California special districts by informing the legislature and the public of the important and essential services we provide to our communities. Furthermore, I believe it's important for special districts to demonstrate good governance that will help earn the public's trust.

Currently, I am serving on the Board of Directors for the Costa Mesa Sanitary District (CMSD) where I have been a Board member for 20 years. CMSD provides solid waste and wastewater collection services to over 116,000 residents residing in the City of Costa Mesa and portions of Newport Beach and the unincorporated Orange County. I am proud to be part of an organization that has been a District of Distinction since 2009, earned the Transparency Certificate of Excellence and CMSD is one of few special districts in California that received Platinum Recognition in Special District Governance.

If re-elected, I will continue to collaborate with CSDA committees to ensure you have educational opportunities to enhance special district governance and help elevate public awareness of the role we play as the form of government closest and most directly accountable to our constituents. I believe my experience, knowledge, dedication and commitment to special districts will enable me to represent you well and I am asking for your vote and support. Please vote for Arlene Schaffer by **July 10, 2020.**



**California Special  
Districts Association**  
*Districts Stronger Together*

## 2021-2023 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Ronald L. Coats

District/Company: East Valley Water District

Title: Governing Board Member

Elected/Appointed/Staff: Elected

Length of Service with District: Six Years

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

\* Please see attached

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

\* Please see attached

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

\* Please see attached

4. List civic organization involvement:

\* Please see attached

**\*\*Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after March 26, 2020 will not be included with the ballot.**

## Ronald L. Coats – 2020 CSDA Board Candidate Information Sheet

### 1) Involvement with CSDA

- Currently serving on the Member Services Committee and the Professional Development Committee.
- Received the Recognition in Special District Governance.
- Received my Certificate of Completion in the Special District Leadership Academy Advanced Coursework.
- Attended several workshops, webinars and conferences through CSDA.

### 2) State-wide Associations

1. Member of the California State Sheriff's Association (Over 30 Years)

### 3) Local government involvement

1. Currently serving as a Director, previously served as Vice Chair and Chairman of the Board for East Valley Water District (5 Years)
2. Currently serving as Vice Chair for the Advisory Committee on Water Policy for the San Bernardino Valley Municipal Water District (2 Years)
3. Served on the Citizens Advisory Committee for the Review of the General Plan for the City of San Bernardino (2 Years)
4. Served as a member, Vice Chair and Chairman of the Citizens Oversight Committee for the San Bernardino City Unified School District (12 Years)
5. Served as a member and Chairman of the Citizens Oversight Committee for the San Bernardino Community College District (3 Years)
6. Currently serving as a Board President for the Association of San Bernardino County Special Districts (2 Years)

### 4) Civic involvement

1. Donated over 36 gallons of Blood to Life Stream Blood Bank in San Bernardino and Riverside Counties
2. Member of the American Legion Post 421 in Highland, CA. (Over 35 Years)
3. Conducted "mock" job interviews to seniors at Redlands Unified School District schools (3 Years)
4. Served on the Planning and Allocations and Community Impact Cabinet committees for the Arrowhead United Way (15 Years)
5. Served in the United States Army from August of 1966 until August of 1970, attaining the rank of Staff Sergeant. Served in the United States and The Federal Republic of Germany (4 Years)
6. Served as a member and Chairman of the Ambassadors for the San Bernardino Area Chamber of Commerce (15 Years)



# EAST VALLEY WATER DISTRICT

LEADERSHIP | PARTNERSHIP | STEWARDSHIP

## BOARD OF DIRECTORS

David E. Smith  
President

Phillip R. Goodrich  
Vice President

Chris Carrillo  
Director

Ronald L. Coats  
Director

James Morales, Jr.  
Director

John Mura, General Manager/CEO

Dear Fellow CSDA Member:

Since joining the East Valley Water District Board in 2014, I have had the pleasure of being part of a world class organization. I firmly believe in the importance of transparent government and public service. With these foundational principles, I look forward to representing this region in a professional manner, as the Southern Network, Seat B, Board of Directors representative for the California Special Districts Association (CSDA).

I am a proud member of the California Special District's Association and currently sit on the Member Services Committee and the Professional Development Committee. I am committed to active civic engagement, where I was also an ambassador for the San Bernardino Area Chamber of Commerce; Chairman of the Citizens Oversight Committee for San Bernardino Community College District; Vice Chairman of Advisory Commission on Water Policy Board for San Bernardino Valley Municipal Water District; Budget Review Committee member for the San Bernardino City Unified School District; along with being a 36 gallon plus donor to Life Stream Blood Bank; served in the United States Army; and member of many other civic organizations.

I have had the opportunity to work with a number of organizations through my involvement with CSDA, and truly believe in the importance of sharing knowledge, experiences, and lessons learned. As a lifetime member of the CSDA Leadership Foundation, I have experienced the benefits of a strong peer network firsthand. With East Valley Water District recently receiving its Gold District of Distinction Accreditation, we look forward to continuing to be an active member in the valuable organization.

As a CSDA Director, I will bring that passion for good governance and public service. I look forward to conveying local issues for discussion on a broader level and working through the challenges and opportunities facing special districts in California.

Whether it is serving in the military, participation in local organization, or representing the residents East Valley Water District, I have taken great pride in being an active member of my community. I look forward to your consideration for allowing me the opportunity to serve on the board of our special district community.

Sincerely,

Ronald L. Coats  
East Valley Water District Board Member



**California Special  
Districts Association**  
*Districts Stronger Together*

**2021-2023 CSDA BOARD CANDIDATE INFORMATION SHEET**

The following information **MUST** accompany your nomination form and Resolution/minute order:

**Name:** Daniel K. Jagers  
**District/Company:** Beaumont-Cherry Valley Water District  
**Title:** General Manager  
**Elected/Appointed/Staff:** Staff  
**Length of Service with District:** Eight (8) years

**1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):**

None

**2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):**

No

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**3. List local government involvement (such as LAFCo, Association of Governments, etc.):**

No

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**4. List civic organization involvement:**

None

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**\*\*Candidate Statement –** Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after March 26, 2020 will not be included with the ballot.**



Promoted to the position of General Manager of Beaumont-Cherry Valley Water District in October 2017, Dan Jagers brings more than 25 years of professional experience to the District. Prior to this appointment, Mr. Jagers served BCVWD for more than five years as Director of Engineering, overseeing long-range planning, capital improvements, and project design on local and regional levels.

As General Manager, Mr. Jagers directs the activities of the District, moving the District toward its goals while maintaining consistency with the District's mission and vision. Mr. Jagers provides leadership based on the direction set by a five-member elected Board of Directors, manages operations, strategic planning, and policy implementation.

Mr. Jagers' experience as Director of Engineering for BCVWD garnered him the internal knowledge and proficiency to guide and manage the District. He directed and participated in Engineering Department goals and operating policies, provided direction to managers and coordinated all issues needing Board approval or policy direction from the Board of Directors.

A resident of the inland empire for more than 26 years, Dan brings local knowledge and experience to the District. He served as a Senior Engineer at Desert Water Agency, and spent 18 years in the private sector as a Senior Engineering Consultant with Krieger & Stewart, Inc. where he focused on all aspects of public facilities planning, design and construction service including full support services for small to large public infrastructure projects for water, recycled water, wastewater, storm water, site development, and street improvements. From planning, design and construction project management, Mr. Jagers' experience is high level and varied.

Dan's combination of public and private experience make him an asset to BCVWD.

Mr. Jagers graduated from Ohio State University with a Bachelor of Science in Civil Engineering. He is a Registered Civil Engineer in the State of California and has developed a reputation for trustworthiness, positivity, passion and professionalism.



**California Special  
Districts Association**  
*Districts Stronger Together*

## 2021-2023 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: Greg Mills

District/Company: Serrano Water District

Title: Vice President/Director

Elected/Appointed/Staff: \_\_\_\_\_

Length of Service with District: 4 years

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

Actively attends conference.

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

ACWA-JPIA Board member - 2 years.

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

Orange County Sanitation District (Director 2 years); Orange

County Vector Control (Director 3 years); Villa Park City

Councilman & Mayor (4 years).

4. List civic organization involvement:

Villa Park Rotary (22 years); Indian Princess (7 years); Elks

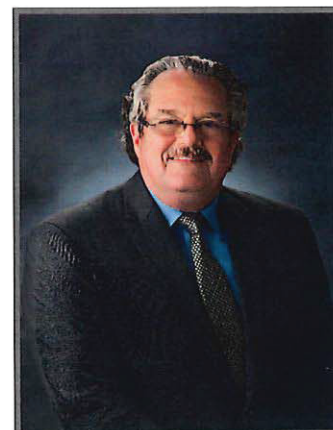
Club (8 years).

**\*\*Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after March 26, 2020 will not be included with the ballot.**

# Greg Mills

## Seat C CSDA

### Candidate Statement



#### BUSINESS

- Small business owner – sixteen years
- Analytical Chemist – six years
- Process Engineer – six years
- Technical Marketing Manager – three years
- Marketing Director – three years
- Marketing Executive – five years

#### COMMUNITY INVOLVEMENT

- Board Member (Vice President) - Serrano Water District three years
- Villa Park City Councilman – four years; One term Mayor and one term Mayor Pro-Tem (one year each)
- Orange County Sanitation District - Director two years
- Orange County Vector Control District - Director three years
- ACWA-JPIA - Representative Serrano Water District
- Villa Park Family Picnic – five years
  - Chair – three years
- Eagle Scout; Camp Counselor
- Villa Park Rotary - Board member twenty-two years
  - Club President; Paul Harris Fellow; Speaker Chair
- Indian Princess YMCA - seven years
- Orange Elks Lodge – seven years

#### PROFFESIONAL

- American Chemical Society – thirty years
- CS Mantech – eleven years
- PDA (Parenteral Drug Association)– five years
- ISPE (International Society of Pharmaceutical Engineering – eight years
- SEMI (Semiconductor Equipment and Manufacturer Institute – nine years
- Optical Society of America – four years
- MEPTEC
- AVS (American Vacuum Society)
  - ICMCTF

#### EDUCATION

- B.A., Chemistry – Illinois College
  - Phi Alpha President/Vice President
- M.S., Engineering Management – Santa Clara University

#### PERSONAL

- Married – 25 years. Wife: Journalist and active member of the community. One daughter currently at university.

## Dennis Cafferty

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**Subject:** FW: Greg Mills for CSDA Seat C - Coalition Support Letter  
**Attachments:** Greg Mills for CSDA Seat C coalition endorsement letter.pdf  
**Importance:** High

**From:** Jerry Vilander <JerryV@serranowater.org>  
**Sent:** Thursday, June 18, 2020 1:08 PM  
**Cc:** Jerry Vilander <JerryV@serranowater.org>; SWD <info@serranowater.org>; 'Greg Mills' <greg@axrtech.com>  
**Subject:** Greg Mills for CSDA Seat C - Coalition Support Letter  
**Importance:** High

Good Afternoon Ladies and Gentlemen,

I'm Greg Mills, Director at Serrano Water District, and I'm a candidate for CSDA Seat C, which is one of three seats for CSDA's Southern Network, serving the counties of Orange, Los Angeles, Imperial, San Diego, Riverside, and San Bernardino. The other two Southern Network seats are held by representatives from the Inland Empire and San Diego.

I am running for Seat C to represent you and your district on the Board of CSDA to further our local control interests through actions, advocacy, and communications. Special districts must remain highly nimble, and be responsive to our constituents, while ensuring the effective, economical, and efficient delivery of government services to our public. I firmly believe that local control is the essence of good service to our ratepayers.

In representing you, I pledge to be actively engaged with CSDA in monitoring state policies that could impact special district authority, finances, and operations. I also pledge to share information with you that is timely, relevant, and actionable for your district. For the past several years, I have attended and participated in monthly ISDOC Executive Committee meetings and quarterly events. I also represent Serrano Water District at ACWA-JPIA.

In addition to serving on Serrano's board since 2016, I previously served 4 years on Villa Park City Council, including as Mayor and Mayor Pro Tem, plus 3 years on OC Vector Control Board, and 2 years on OC Sanitation Board. Additionally, my community involvement includes Rotary, Elks, and various local charities.

My career background includes entrepreneurial, engineering, and marketing experience, and I am currently a technical professional with an MS in Engineering Management and a BA in Chemistry. I'm also a member of several professional associations, including the American Chemical Society.

I feel very fortunate to have the support of many Special Districts as noted in the attached coalition letter. Your district should have already received a ballot from CSDA, and ballots are due by July 10th. I would be honored to receive your vote and am happy to answer any questions.

Warm regards,

Greg Mills  
Serrano Water  
714 803 5111, anytime

June 18, 2020

Subject: **Elect Greg Mills to CSDA Seat C (Southern Network)**

Dear Colleagues,

We are pleased to recommend Director Greg Mills, of Serrano Water District (Serrano), for election to the Board of Directors for the California Special Districts Association (CSDA), serving as Seat C representative for the Southern Network. Director Mills possesses the qualifications, knowledge, and understanding of the many issues facing special districts, and his proven leadership abilities can provide added value for CSDA's Southern Network.

It is our understanding that Director Mills is running for CSDA Seat C to further our local control interests through actions, advocacy, and communications. Should Director Mills be elected, he has pledged to:

- be actively engaged with CSDA in monitoring state policies that could impact special district authority, finances, and operations; and,
- share information that is timely, relevant, and actionable for your district.

In addition to serving on Serrano's Board since 2016, where he has made fair and informed decisions that have greatly benefited constituents, Director Mills served four years on Villa Park City Council, including as Mayor and Mayor Pro Tem. His public service includes three years on the Orange County Mosquito and Vector Control District Board, and two years on the Orange County Sanitation District Board; and, his community involvement includes Rotary, Elks, and other charities.

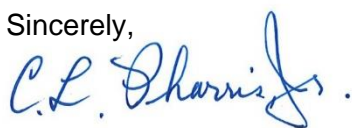
For many years, Director Mills has actively participated in the Independent Special Districts of Orange County (ISDOC) monthly Executive Committee meetings and quarterly events. He also represents Serrano at the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA).

With a career background that includes entrepreneurial, engineering, and marketing experience, Director Mills is currently a technical professional with an MS in Engineering Management and a BA in Chemistry. He is also a member of several professional associations, including the American Chemical Society.

We are fortunate to have such a qualified candidate in Greg Mills, who has our coalition's unanimous support to serve as CSDA Southern Network Seat C representative. Seat C is one of three seats for the Southern Network, encompassing the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and San Diego. Representatives from the Inland Empire and San Diego hold other two Southern Network seats.

Your district should have already received a CSDA ballot, which is due by July 10. If you have questions or requests for more information, please feel free to contact Mesa Water District's Water Policy Manager, Stacy Taylor, at [StacyT@MesaWater.org](mailto:StacyT@MesaWater.org) or [714.791.0848](tel:714.791.0848). Thank you for your consideration in electing Greg Mills, who would be honored to receive your vote.

Sincerely,



C.L. "Larry" Pharris, Jr., President  
Serrano Water District



Douglass S. Davert, President  
East Orange County Water District  
(under individual authority)



Phil Hawkins, President  
Yorba Linda Water District



Shawn Dewane  
Mesa Water Board President



Sat Tamaribuchi, President  
Municipal Water District OC



Vicente Sarmiento, President  
Orange County Water District

RESOLUTION NO. 20-6-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
EL TORO WATER DISTRICT  
MODIFYING STANDING AND EXTERNAL  
ORGANIZATION BOARD AND STAFF ASSIGNMENTS  
FOR CALENDAR YEAR 2020

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 25th day of June 2020.

\_\_\_\_\_  
MARK L. MONIN, 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 - 2020**

<u>ORGANIZATION</u>	<u>REPRESENTATIVE</u>	<u>ALTERNATE</u>	<u>FREQUENCY</u>
WACO Planning	Monin	Vergara	Monthly
WaterReuse	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
ACWA Energy/Engineering	Freshley	n/a	As Required
ACWA Education/Finance	Monin	n/a	As Required
ACWA Water Quality	Gaskins	n/a	As Required
<u>ETWD COMMITTEE</u>	<u>CHAIRMAN</u>	<u>ALTERNATE</u>	<u>FREQUENCY</u>
Agenda Review	Monin	Gaskins	Monthly
Engineering	Freshley	Vergara	Monthly (Full Board)
Finance/Insurance Cmte	Vergara	Freshley	Monthly (Full Board)
Community Advisory Group	Havens	Gaskins	Quarterly
Regional Reclamation Cmte	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.



**STAFF REPORT**

**TO: BOARD OF DIRECTORS**

**MEETING DATE: June 25, 2020**

**FROM: Dennis Cafferty, General Manager**

**SUBJECT: COVID-19 Response**

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The District continues in its effort to balance compliance with health officials' guidance and State and Federal direction with the critical need to maintain the reliability of the essential services provided by the District. The following represents a summary of the current status of the District's response to the ever changing challenges presented by the COVID-19 pandemic.

**Public Outreach** – Staff, working with Media 55, filmed a Public Service Announcement type video to convey critical messaging regarding the District's COVID-19 response. The PSA is currently airing on Laguna Woods Television, has been posted on the District's website and has been made available to a variety of Homeowners Associations for distribution to their residents.

**Customer Billing** – The District is continuing to read meters and issue monthly bills. Non-pay shutoffs have been suspended. Staff is tracking late payments and associated revenue impacts. The incidence of late payments or customers communicating that they are unable to pay their bill due to the financial crisis associated with the COVID-19 pandemic has been significantly less than feared or anticipated. This is evidenced both by feedback from the District Customer Service staff, a review of the log of payments as well the documentation of aged receivables. Staff will continue to closely monitor billing for any further indication of trends or patterns.



**Face Coverings (Masks)** –District staff have been provided with written guidelines defining the District’s requirement to wear a face covering while at work. Both disposable masks and washable cloth masks have been provided to the District employees.

**FEMA** – The District is carefully tracking and documenting all costs associated with the emergency response to the COVID-19 pandemic. It is uncertain which, if any, costs will be recoverable. District staff is working to ensure the District is positioned properly for recovery to the extent there is any recoverable costs.

**Staffing** – Over the last several months, the District has taken wide ranging steps to accomplish social distancing by modifying work schedules in an effort to minimize the physical interaction of District staff. The current approach to staffing has recently evolved as statewide restrictions have been eased. The following descriptions provide an overall description of the current impacts to staffing:

- **Illness** – While, thankfully, none of the District staff has been diagnosed with COVID-19 to date, the staffing schedule is nimble enough to make modifications for any employees that are sick or subject to quarantine due to exposure. The District is preparing for a likely increased number of incidents in which District staff might learn of an exposure to other people that are confirmed positive with the COVID-19 virus.
- **At-Risk Employees** - The District has strongly recommended to four employees that are older than 65 years of age that they are safer to remain home. Those employees are entitled to decide if they want to return to work. They have been advised of their continuing ability to use Emergency Administrative Leave should they decide to remain at home.
- **Social Distancing** – The District’s management staff continues to emphatically remind and require all staff of the critical need to practice social distancing of a minimum of six feet as well as the need to follow CDC guidelines regarding hand washing and other personal hygiene. Staff has been further advised that face coverings are not a substitute for practicing physical distancing and personal hygiene.
- **Main Office** – A significant portion of the administration staff was temporarily converted to varying degrees of tele-commuting. The combination of split schedules and tele-commuting reduced staff in the Main Office by as much as 70%. Management staff is evaluating the current staffing plan in the Main Office.
- **Field Operations** – As of Monday, June 15, the Operations Department returned to a 9/80 schedule similar to the schedule prior to the onset of the COVID-19 pandemic. Certain modifications such as staggered start times and lunch periods have been implemented to reduce traffic and interaction in locker rooms and the lunch room. A detailed set of procedures and protocols have been provided to staff

to emphasize personal hygiene and physical cleaning requirements to ensure the safety of the District staff. A requirement has also been instituted for the daily self-certification that employees are not suffering from a fever or any of the typical COVID-19 symptoms. Thermometers have been provided to each employee to facilitate the ability of each employee to check their temperature prior to coming to work.

**Emergency Administrative Leave** – At the March Board meeting the Board approved an amendment to the District’s Employee Handbook that created a leave category known as Emergency Administrative Leave (EAL). EAL is used to accommodate the modified schedules the District has implemented to achieve compliance with social distancing guidelines. While the Operations Department has largely returned to their full 9/80 schedule, certain District staff are still assigned to shifts that result in some employees spending less than 40 hours per week physically working on assigned tasks at the District’s facilities. The employees that have been advised to remain home due to their potential vulnerability to the COVID-19 disease are relying on EAL nearly completely. The amendment to the Employee Handbook gave the General Manager the discretion to grant up to 160 hours per employee of EAL. The amendment further noted that *“The extension of EAL beyond the original 160 hours per employee defined herein may be granted with the approval of the Board of Directors.”*

The original allocation of EAL was intended to cover the period until the next Board meeting at which a request for extension could be considered if necessary. An extension of the EAL allocation was approved by the Board at the April and May Board meetings. Staff is recommending the Board authorize the General Manager to provide an additional 160 hours of EAL per employee, as necessary. Further consideration of the EAL requirement will be considered based on current conditions at the July Board meeting.

**Recommended Action:** Staff recommends the Board of Directors grant the General Manager discretion to extend the use of Emergency Administrative Leave, as necessary up to an additional 160 hours per employee, until the July 23 meeting of the Board of Directors.

# GENERAL MANAGER'S REPORT

June 2020

## I. OFFICE OF THE GENERAL MANAGER

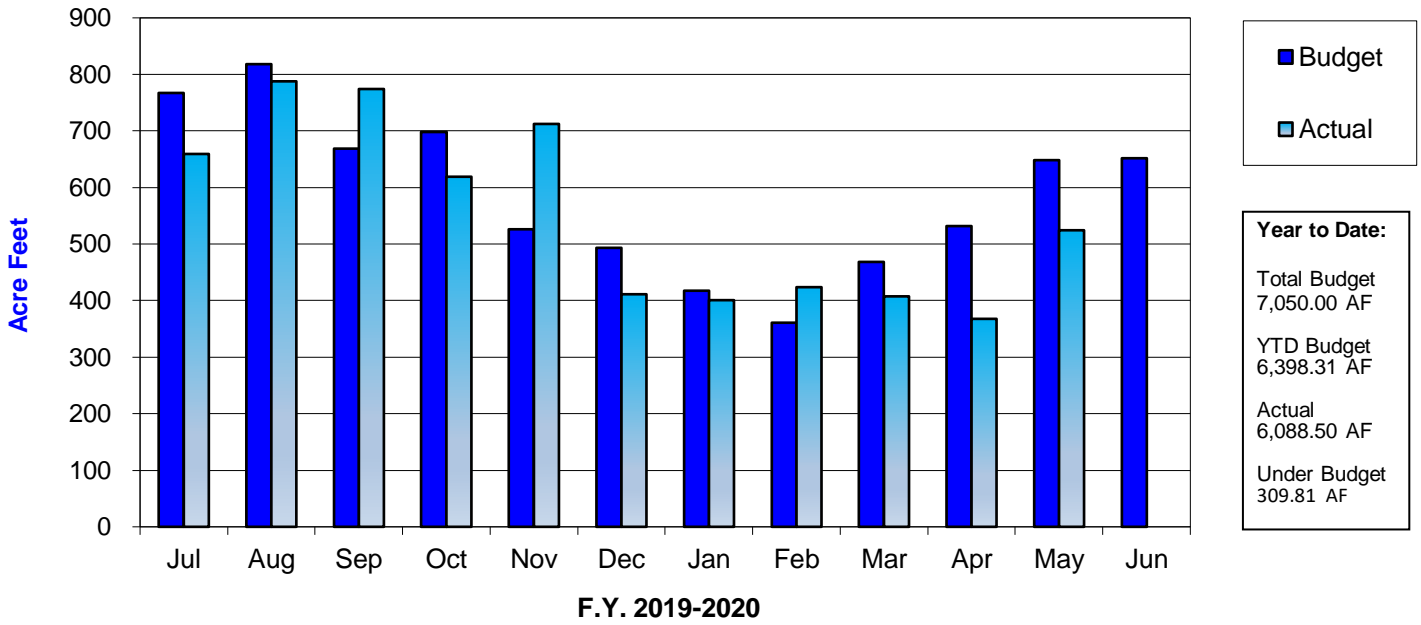
- Attended Regular Board Meeting
- Attended Board Budget Workshop Meeting
- Attended Agenda Review Committee Meeting
- Attended Regular Engineering & Finance Committee Meeting
- Attended Pres/VP/GM Meetings
- Conducted Two All Employee Meetings
- Attended District EOC Action Plan Briefings
- Filmed Public Service Announcement for Laguna Woods Television
- Attended SOCWMA Management Committee Meeting
- Attended WACO Meeting
- Attended RRC Committee Meeting
- Attended SOCWA Managers COVID-19 Update Meetings
- Attended SOCWA Board Meeting
- Attended MWDOC/MET Directors Workshop
- Attended MWDOC P&O Committee Meeting
- Attended MWDOC A&F Committee Meeting
- Attended MWDOC Board Meeting
- Attended MWDOC Member Agency Managers Meeting
- Attended Orange County Water Association PFAS Webinar
- Attended Meeting with CSDA Senior Public Affairs Field Coordinator

## II. DOMESTIC AND RECYCLED WATER SALES

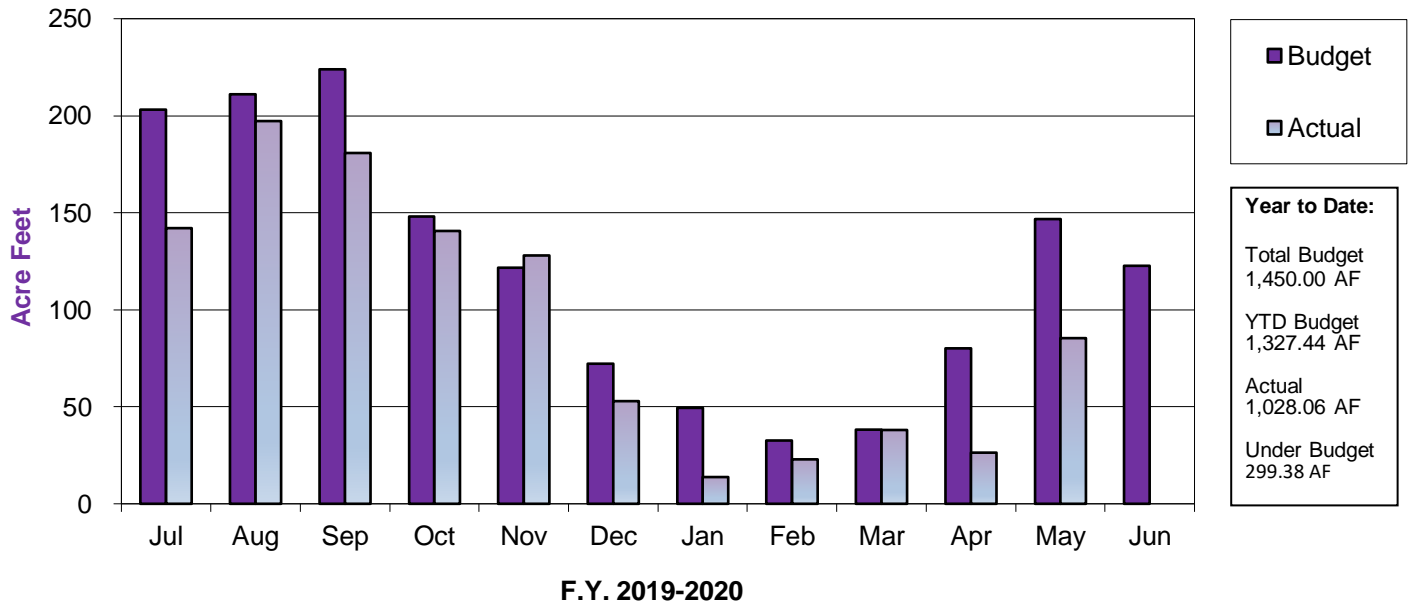
Actual domestic sales for the year-to-date as of May 31, 2020 are 6,088.50 acre-feet. This compares to year-to-date budgeted domestic sales of 6,398.31 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 309.81 acre-feet. Actual sales are 46.74 acre-feet lower than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of May 31, 2020 are 1,028.06 acre-feet. This compares to year-to-date budgeted recycled sales of 1,327.44 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 299.38 acre-feet. Actual sales are 21.73 acre-feet lower than last year-to-date actual sales for the same period.

## POTABLE WATER SALES



## RECYCLED WATER SALES



## Customer Service Activity Report

Regular Service Calls	MAY 2020	MAY 2019	Telephone Calls	MAY 2020	MAY 2019
Serviceman Dispatched to Read, Connect/Disconnect Service	54	91	Change of Service: Connections and Disconnections	62	123
<b>Field Investigations:</b>			Billing / Payments & Graph Inquires	187	279
Check for leaks - calls to CS Office:(irrigation,meter,street leaks)			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	37	84
Customer Responsible	12	22	Variance / Adjustment Inquiries	25	40
District Responsible	4	3	Variance / Adjustment Requests Processed	7	11
None found/other	13	12	Ordinance Infraction / Water Waste Complaints	1	2
High Reads Checked - High Consumption (Billing Dept.)					
Cust Leaks: _6_ No Leaks: _3_	9	22			
Check Stopped Slowed Meters-Low Consumption (Billing)	12	6	Outside Utility Districts	46	56
Re-Check Read	2	1	Phone calls Transfer to other Departments within ETWD	38	106
Ordinance Infraction	0	3	Phone calls for the Board of Directors	0	3
Recycled Water	0	0	Recycled Water	0	0
Water Quality: Taste / Odor / Color	1	1	Water Quality Taste - Odor - Color	2	0
Phone response: _1_ Field response: _0_			Leaks / Breaks	17	18
Flooding (Hydrant) Meters issued	1	1	Flooding Meter calls (Hydrant)	3	1
Sewer - Odor/Stoppage/ Manhole Covers	2	0	Sewer Problems (odor / spills)	0	3
Meter Box: Lids / Covers Replaced	24	32			
Meter Box Clean, Digout	4	8	Backflow / Cross Connection (questions or yearly testing forms)	4	4
Raised Meter Box	1	0	ETWD facilities inquiries: Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	13	8
Trim Bushes / Meter Obstruction	19	47			
General Maintenance Response	6	7	Tyco (ADT) Calls (Alarms to ETWD facilities)	2	3
Fire Hydrants: Hit / Leaks / Caps	2	0	ATT Calls (access to tower sites)	0	1
Pressure(psi) Checks / Reads	1	1	SCE Calls (access to tower sites)	1	0
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	8	9	Pager Calls specifically for Pump Stations - SCADA	0	0
AMS angle-meter-stop replace/repair	1	0			
Bees Removed	1	1	Payment Extensions	8	74
Backflow / Cross Connection	5	4	Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)	0	51
Fogged Registers	12	0	Return Calls from customers left on our voice mail system. Ext 500	0	10
OMCOP: Old Meter Change - Out Program	2	6	Email Correspondence:	98	59
Other: (uncommon non-maintenance calls)	0	3	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	3	2
On-Call After Hrs. CS Response	3	22	Misc. (other: employment, deliveries, sales calls)	35	81
# 48/24 Hr. Door Hangers Hung	1	167			
# Locked Off For Non-Pay (Disconnect)	0	10			
Removed Meter	0	0			
New Meter	7	12			
Unread Meters	6	5			
<b>Total Field Investigations</b>	<b>213</b>	<b>496</b>	<b>Total Telephone Calls</b>	<b>589</b>	<b>1019</b>
<b>Uncollectible Accounts:</b>			<b>Credit Card Payments</b>	<b>MAY 2020</b>	<b>MAY 2019</b>
<b>Budget YTD</b>	<b>\$18,333.00</b>	<b>\$ 18,333.00</b>	<b>REGULAR</b>	<b>830</b>	<b>\$83,850.41</b>
<b>Actual YTD</b>	<b>\$ 6,215.00</b>	<b>\$ 18,582.00</b>		<b>809</b>	<b>\$83,532.84</b>

# (WRP) Tertiary Treatment Plant

May-20

## Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.431	1.241	0.094	1.766
Total Q MG	13.376	38.461	2.912	54.749
Total Acre Feet	41.049	118.032	8.937	168.018
*No Potable Water Was Used to Supplement The Demand for Recycled Water in The Month of May				

# MICROBIOLOGICAL MONITORING

May 2020

## 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

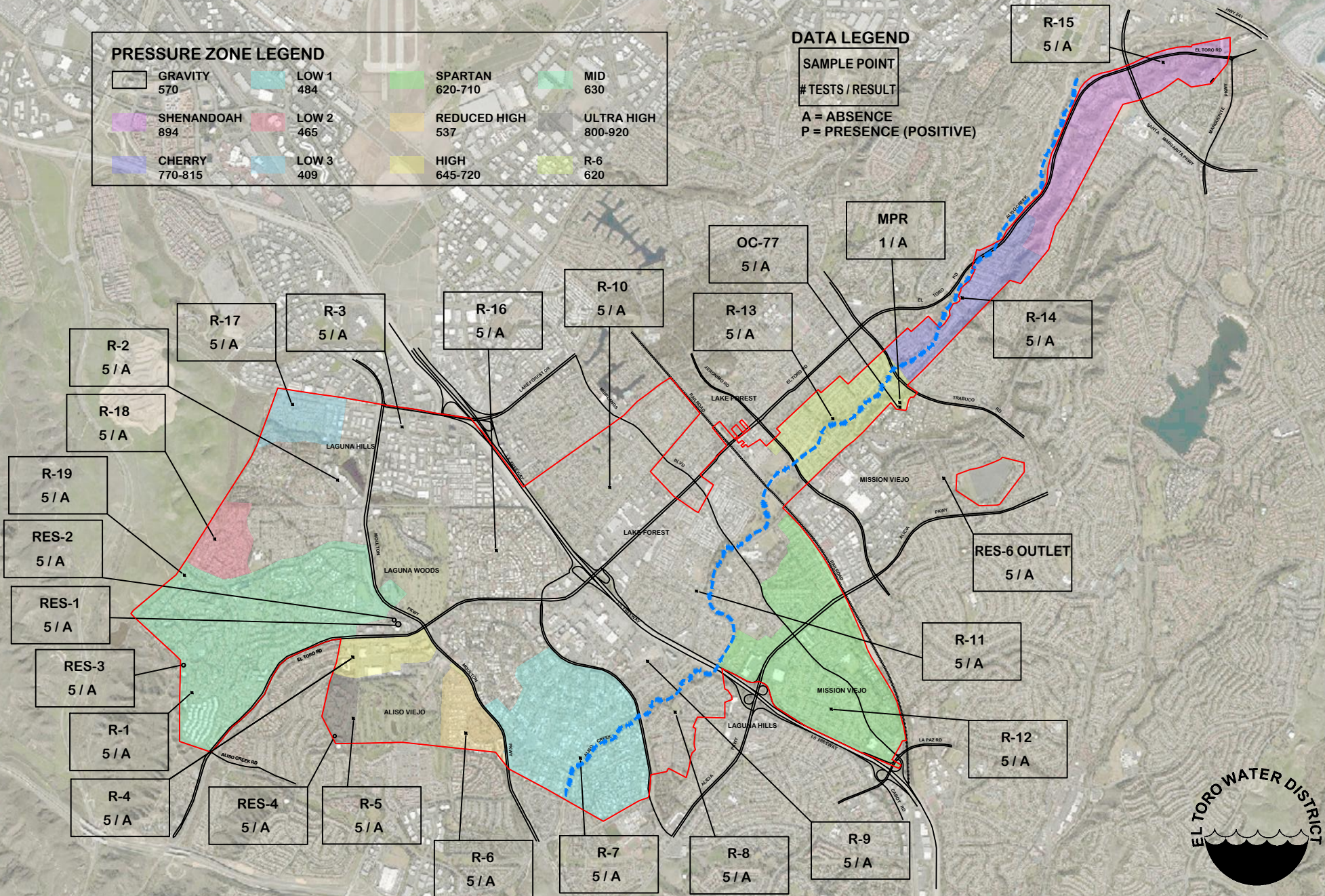
## DATA LEGEND

SAMPLE POINT

# TESTS / RESULT

A = ABSENCE

P = PRESENCE (POSITIVE)

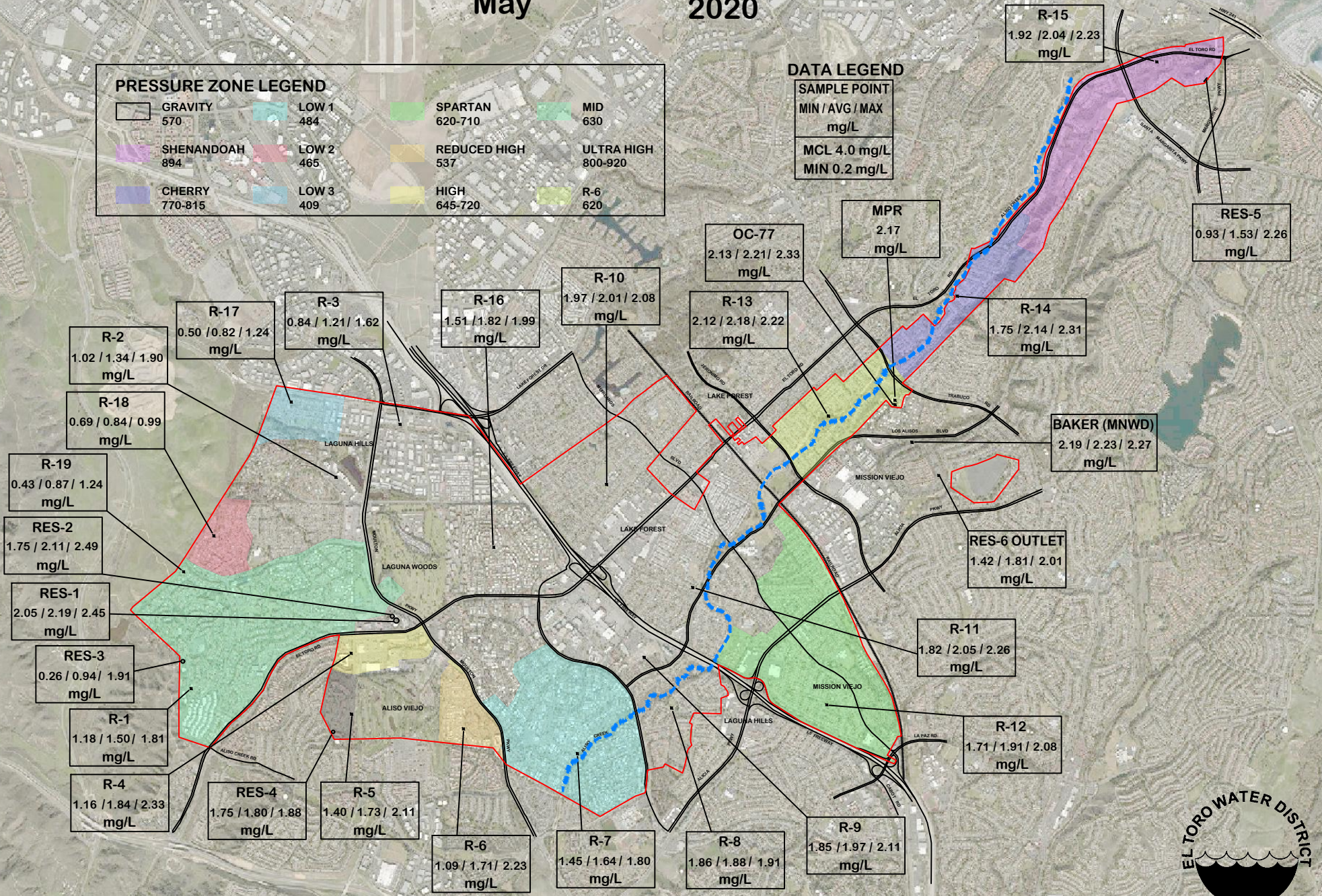


# CHLORINE RESIDUAL MONITORING

May 2020

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





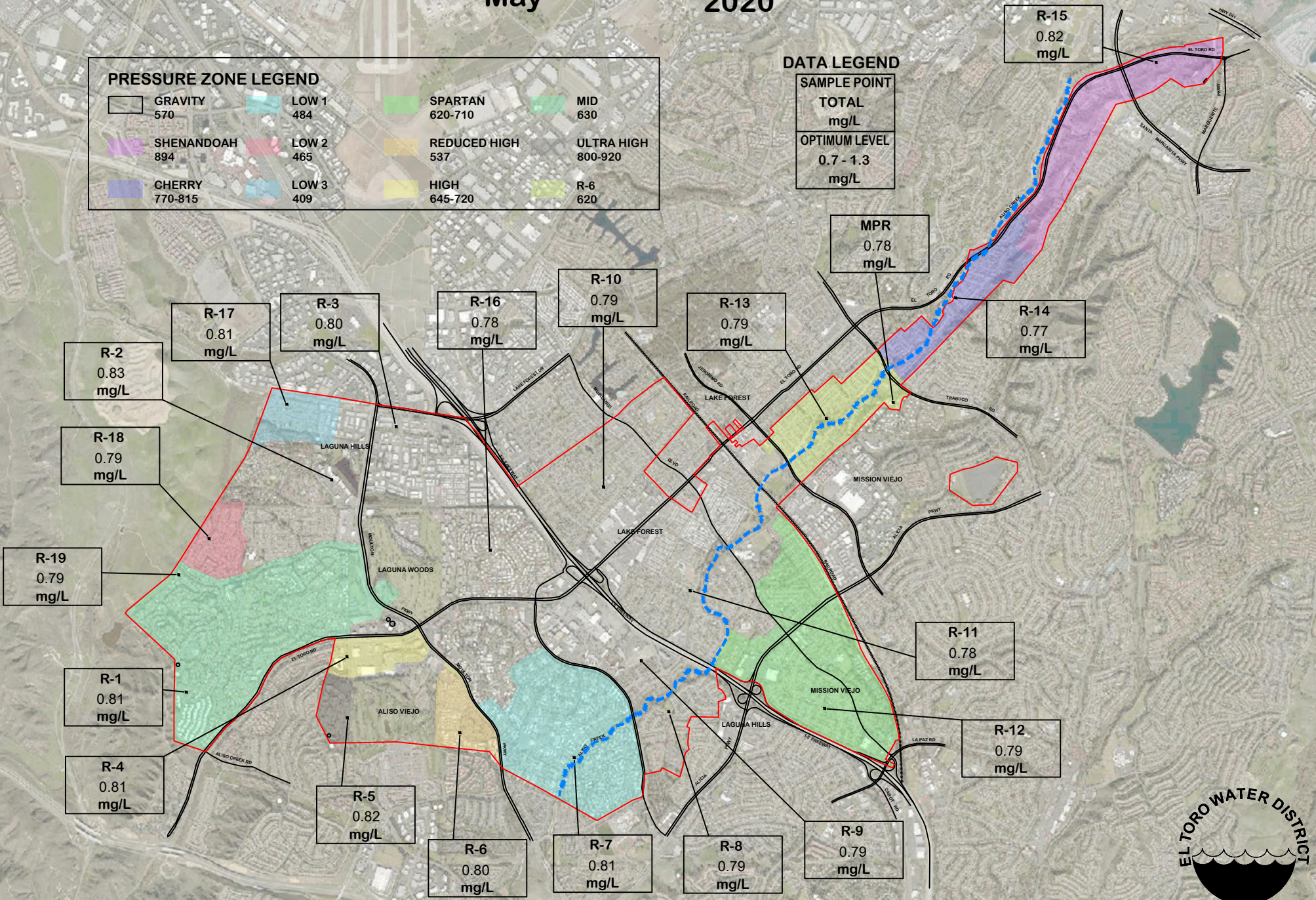
# FLUORIDE MONITORING

May 2020

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



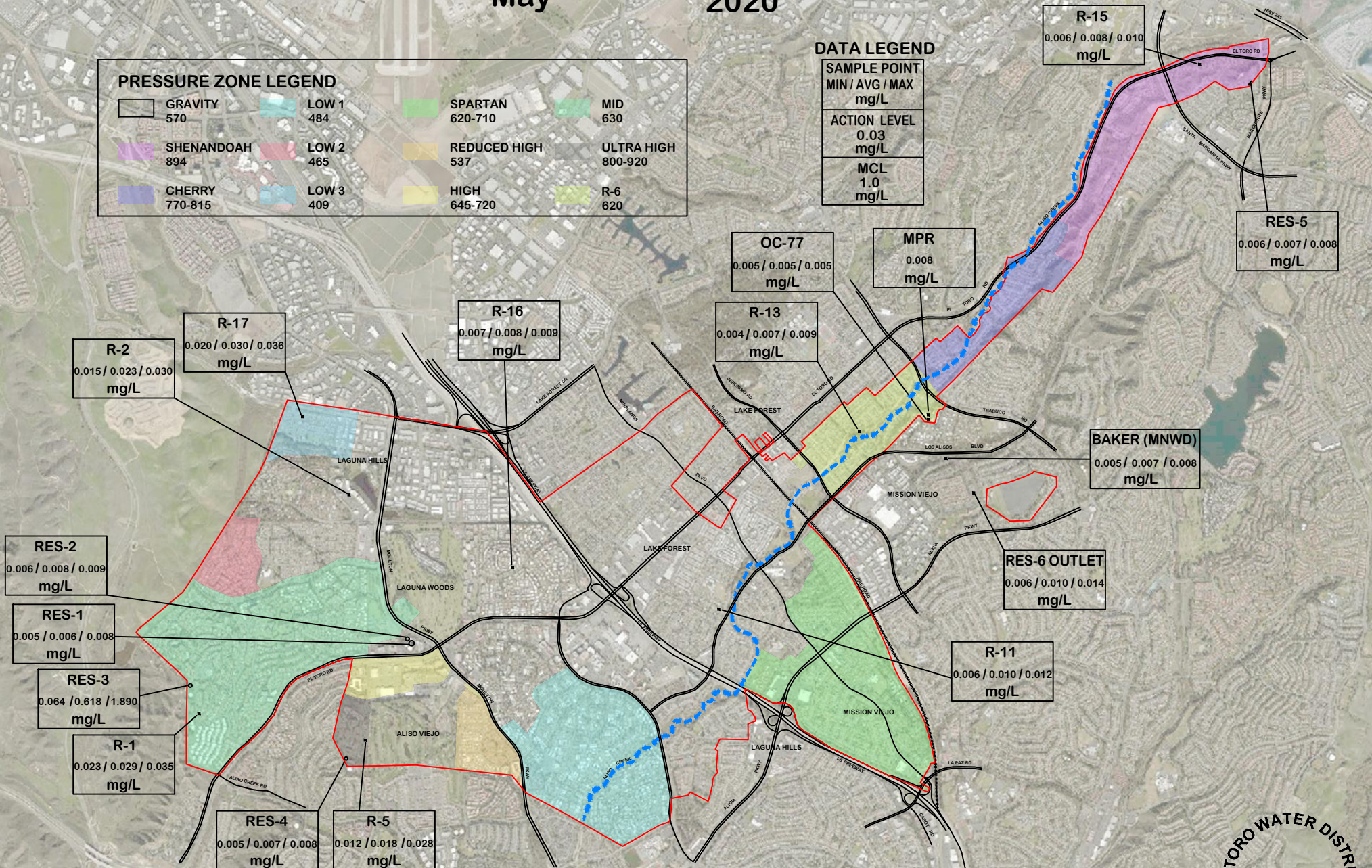
# NITRITE MONITORING

May 2020

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





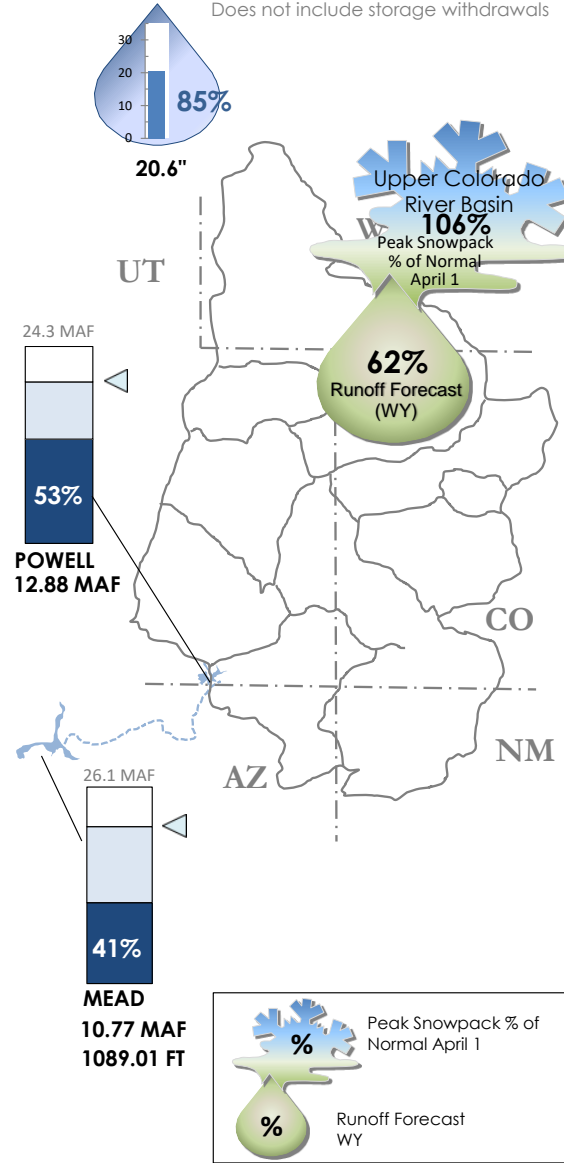
# Water Supply Conditions Report

As of: 06/16/2020

## 2020 Colorado River

1,063,000 AF  
85% of full CRA

Does not include storage withdrawals



Turn page for more CRA Data

Flip Over for SWP Data

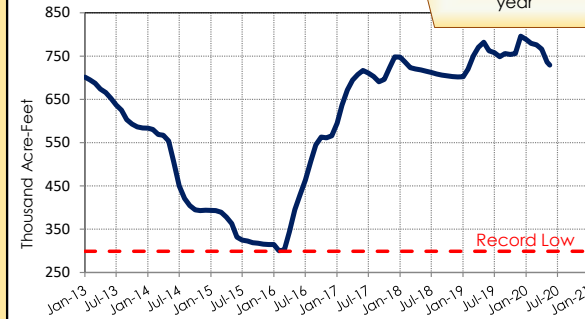
## Highlights

- Sacramento River Runoff forecast is 52% of normal
- Statewide snowpack peaked at 64% of normal
- Lake Powell inflow forecast is 62% of normal
- Snowpack in the Upper Colorado River Basin peaked at 106% of normal

## Diamond Valley Lake Storage

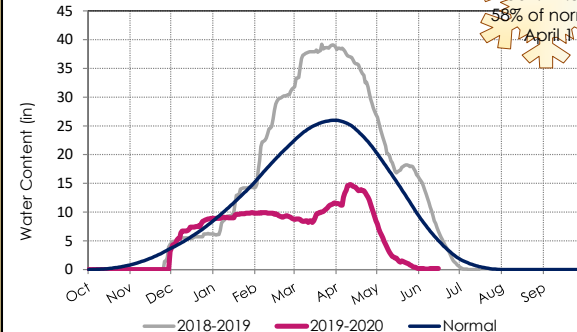
Capacity: 810 TAF

45 TAF less in storage than this time last year

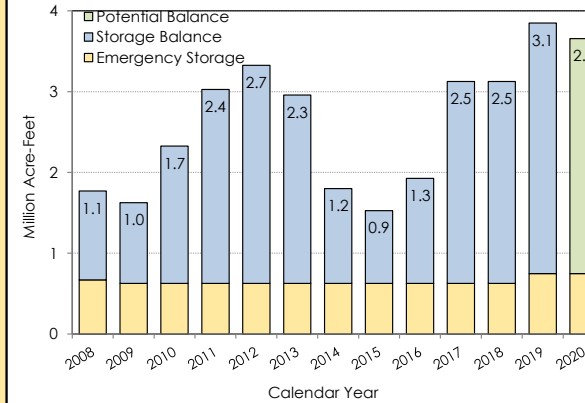


## Southern Sierra Snowpack

Peak: 14.8 in  
58% of normal April 1



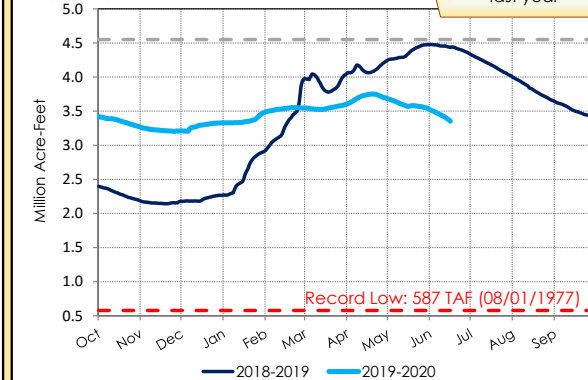
## MWD Storage Reserve Levels



## Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

1.08 MAF less in storage than this time last year



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") and folded in quarters. Questions? Email [mferreira@mwdh2o.com](mailto:mferreira@mwdh2o.com)

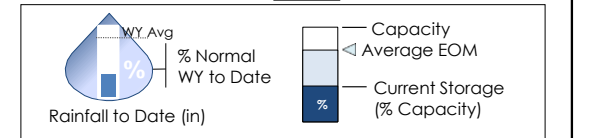
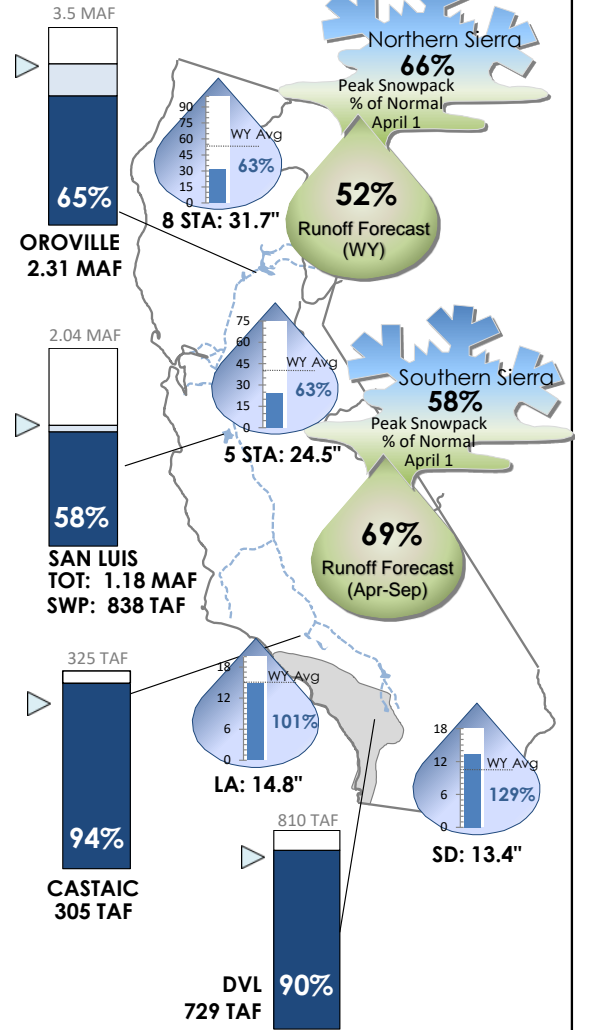


# Water Supply Conditions Report

As of: 06/16/2020

## 2020 SWP Allocation

382,300 AF  
20% of Table A



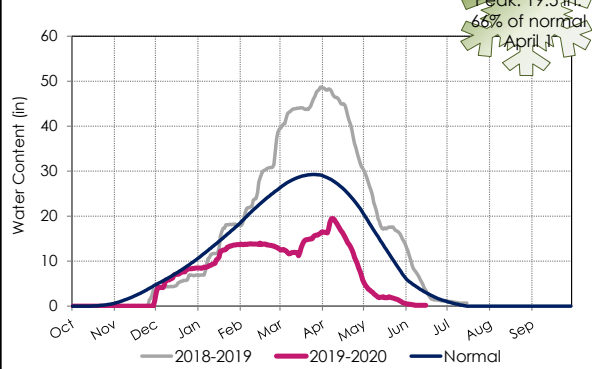
Flip Over for CRA Data

Turn page for more SWP Data

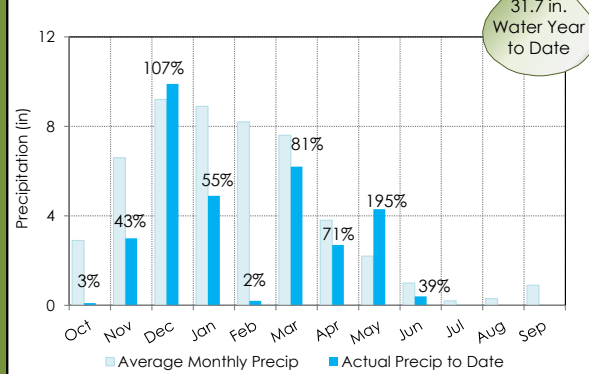
As of: 06/16/2020

# State Water Project Resources

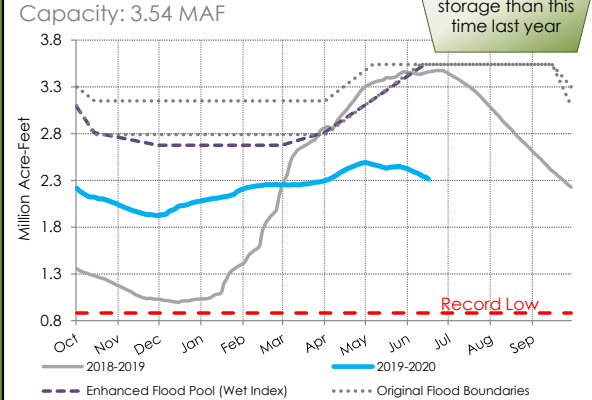
## Northern Sierra Snowpack



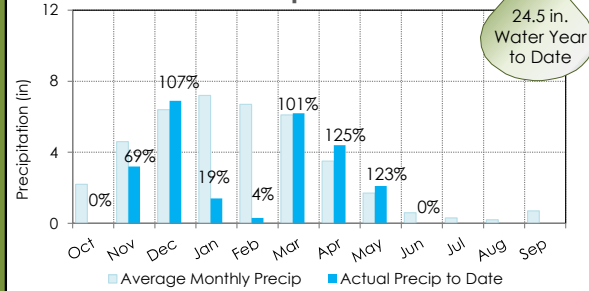
## 8 Station Index Precip



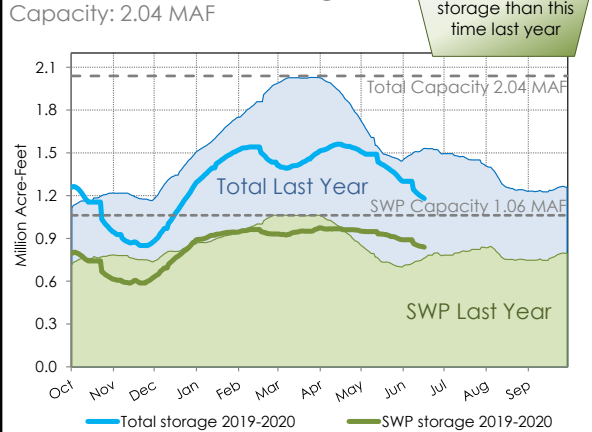
## Oroville Reservoir Storage



## 5 Station Index Precip



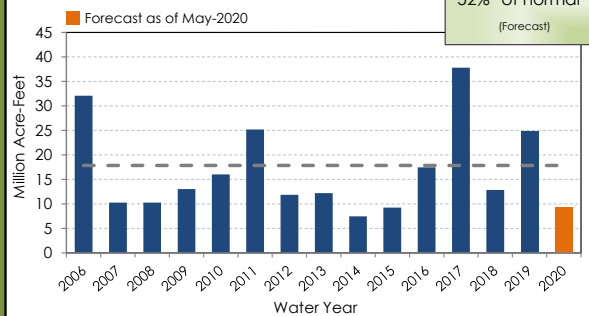
## San Luis Reservoir Storage



## Other SWP Contract Supplies for 2020 (AF)

Carryover	330,766
Transfer Supplies	6,000 (est.)

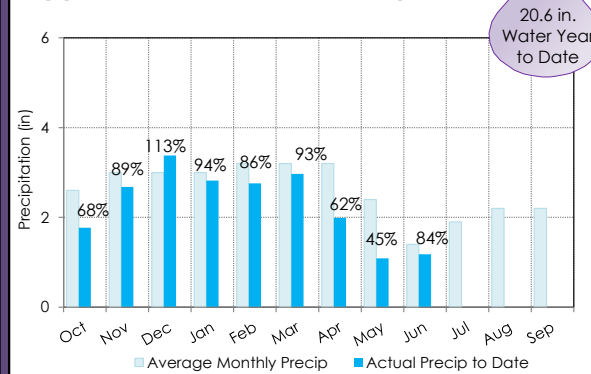
## Sacramento River Runoff



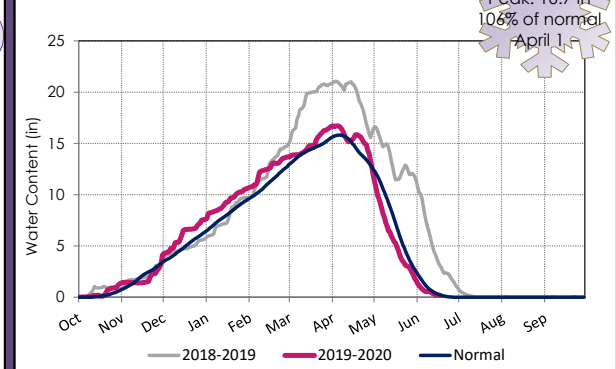
# Colorado River Resources

As of: 06/16/2020

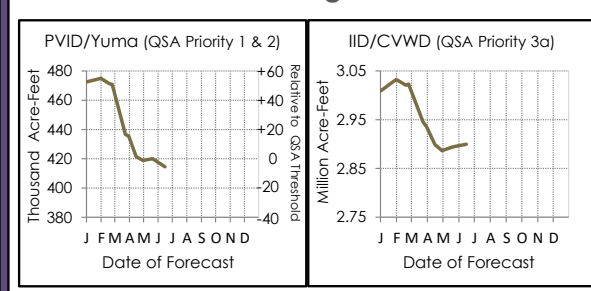
## Upper Colorado Basin Precip



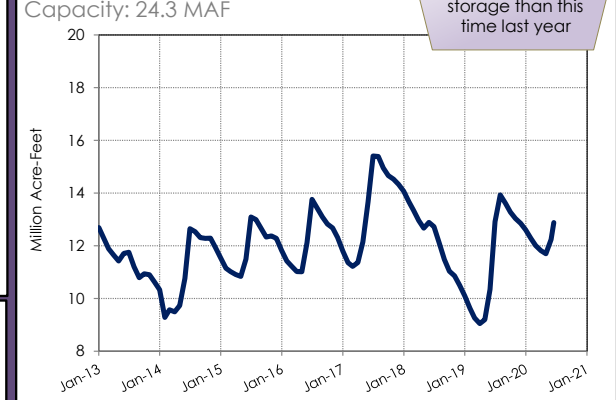
## Upper Colorado Basin Snowpack



## 2019 Colorado River Ag Use



## Lake Powell Storage

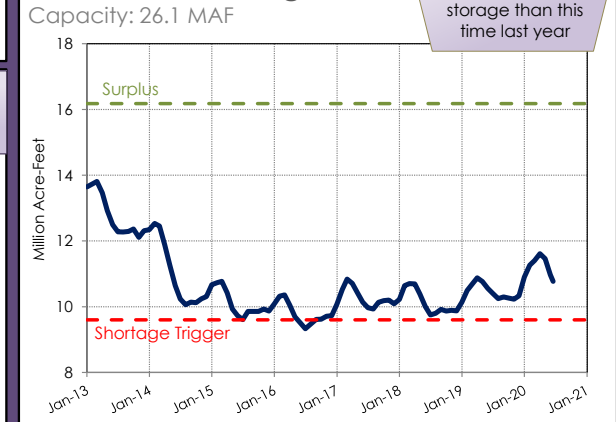


## Lake Mead Shortage/Surplus Outlook

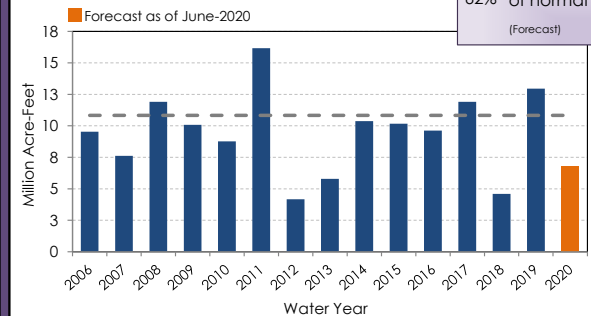
	2020	2021	2022	2023	2024
Shortage	0%	0%	9%	31%	37%
Surplus	0%	0%	<1%	6%	10%

Likelihood based on results from the April 2020 MTOM/CRSS model run. Includes DCP Contributions.

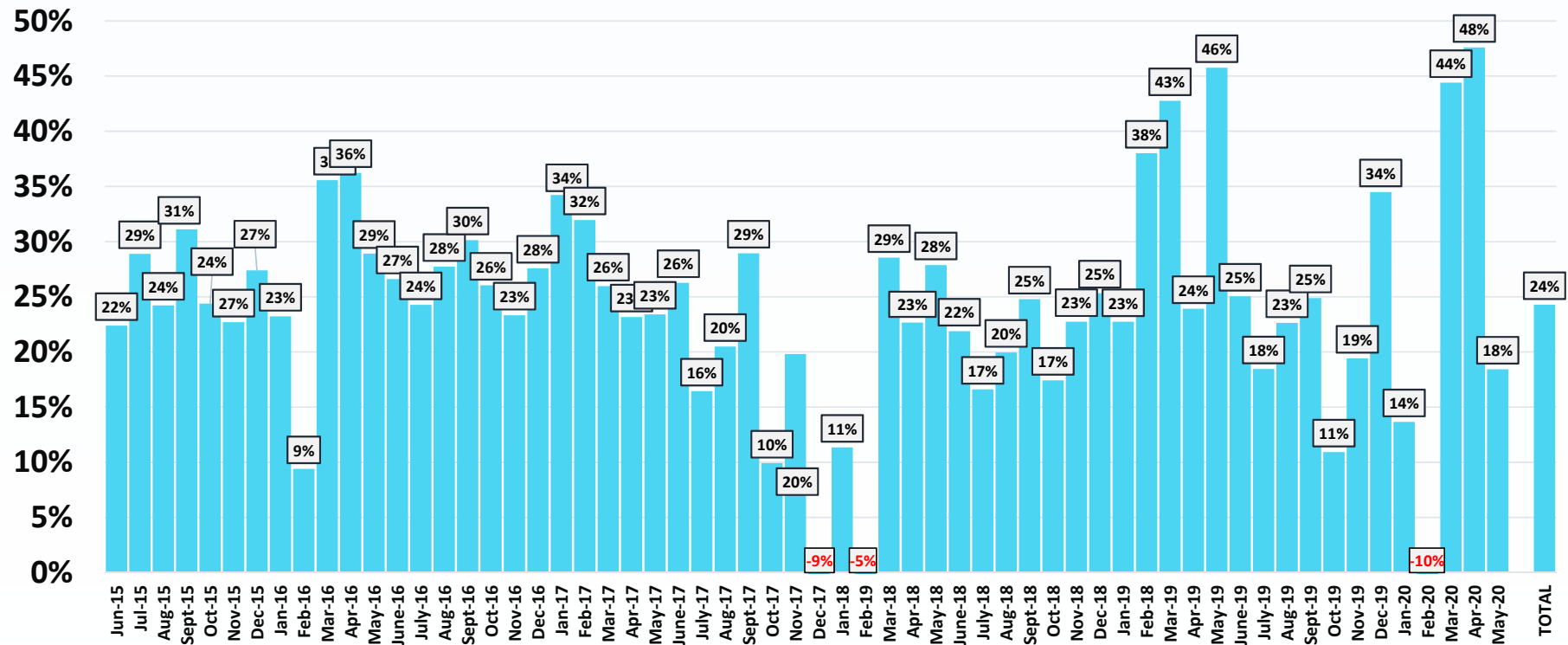
## Lake Mead Storage



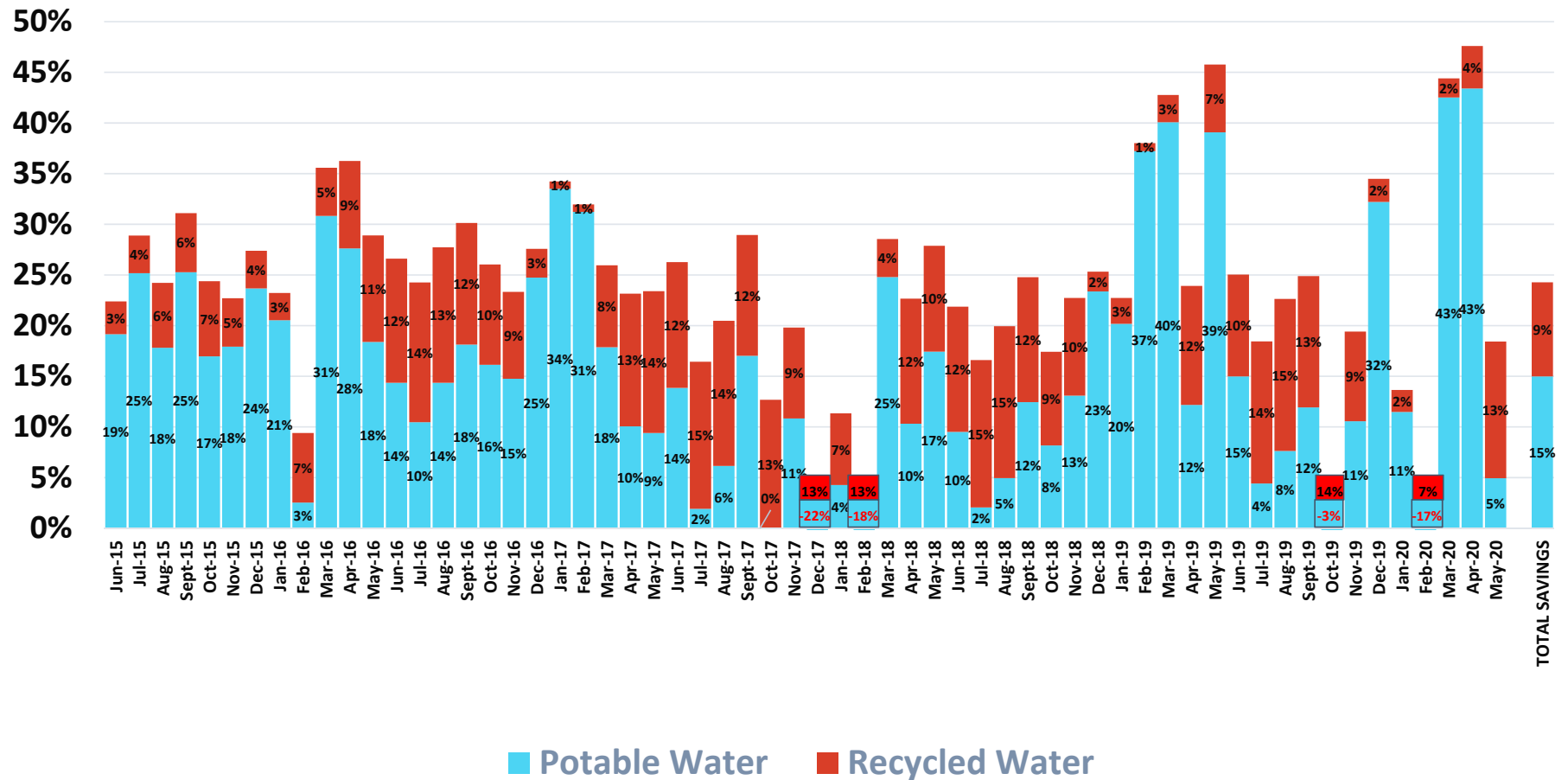
## Powell Unregulated Inflow



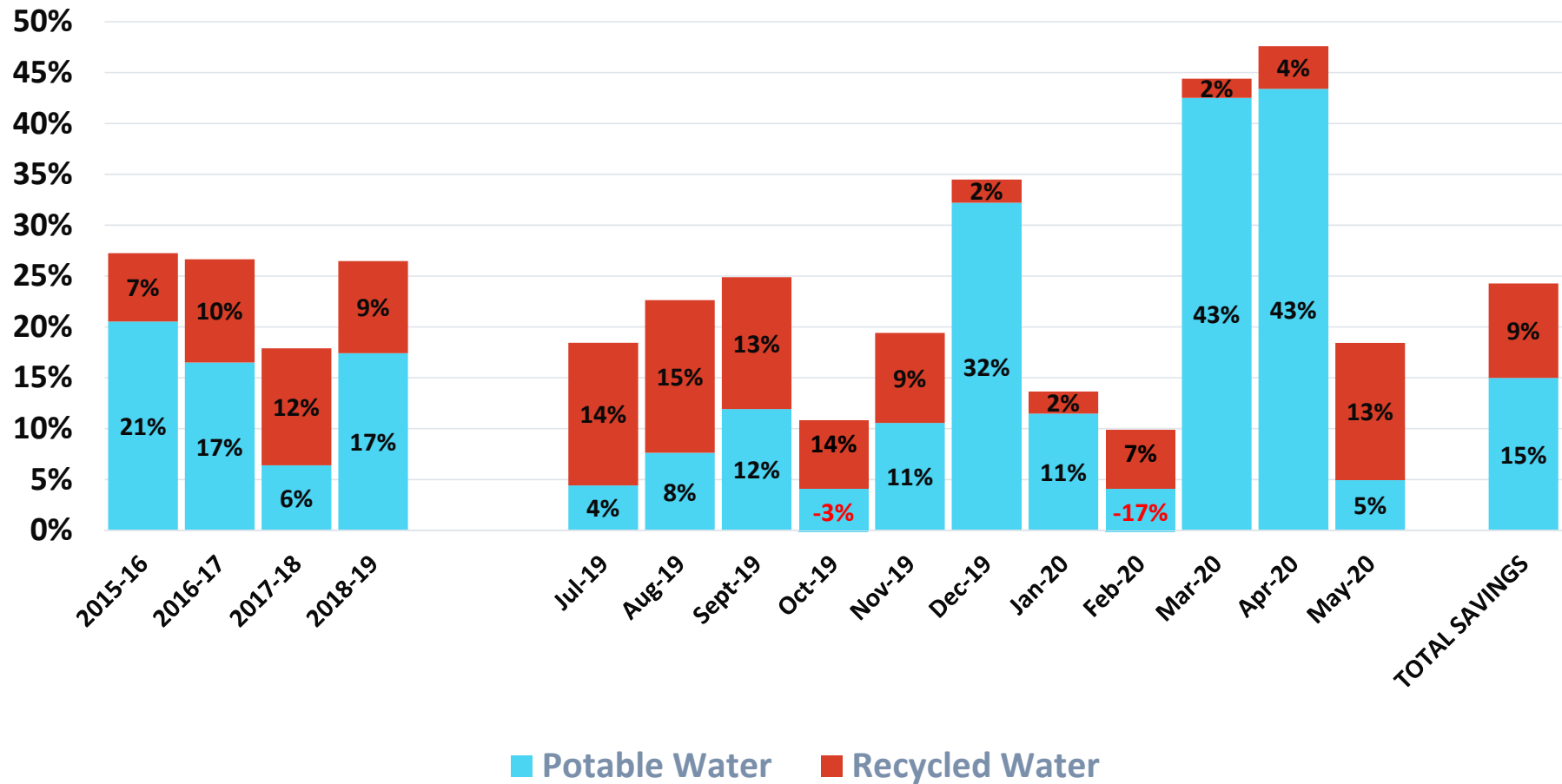
# ETWD WATER SAVINGS COMPARED TO 2013



# ETWD WATER SAVINGS COMPARED TO 2013



# ETWD WATER SAVINGS COMPARED TO 2013



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

MONTH ENDING: May 2020

ODOR COMPLAINTS	NUMBER	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village				
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Private System				
Other: WRP				
<b>TOTAL</b>	<b>0</b>			
ROOT FOAMING	FOOTAGE	CHEMICAL USED	CHEMICAL COST	COMMENTS:
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Other				
<b>TOTAL</b>	<b>0</b>			
ROOT CUTTING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
<b>TOTAL</b>	<b>0</b>			
HYDRO-CLEANING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village	37,601			
New World				
Private System				
Hot Spots	27,133			
<b>ETWD TOTALS:</b>	<b>64,734</b>			
<b>SANTA MARGARITA TOTALS:</b>				
<b>COMBINED TOTALS:</b>	<b>64,734</b>			
TV INSPECTIONS	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village	3,076			
Laguna Woods Village	1,876			
New World				
Private System				
Other				
<b>TOTAL</b>	<b>4,952</b>			
<b>Wet Wells</b>	<b>Number</b>	<b>3</b>	MATHIS, WESTLINE, DELTA	
<b>Flow Meter/Sampling</b>	<b>Number</b>			
<b>WATER TANK FILLS</b>	<b>65</b>	<b>65,000</b>		



**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 bacteriological 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:		MAY YEAR : 2020			
CONSTITUENT ANALYSIS	MCL	INSIDE LAB		OUTSIDE LAB	
		NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	153(A)	Pres/Absence		Average
2 Chlorine (ppm)	Detectable Resid	134	Average = 1.66 ppm		
3 TTHM (ppb) (Stage 2)	80 ppb		N/A		
3 HAA5 (ppb) (Stage 2)	60 ppb		N/A		
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.00 to 0.04		
Odor	3 Units	20	ND<1		
Color	15 Units	20	ND<5		
Temperature	No standard	20	61.0°F To 73.0°F		
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	92	0.002 to 1.890 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:**

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

# Weekly Water Quality System Status

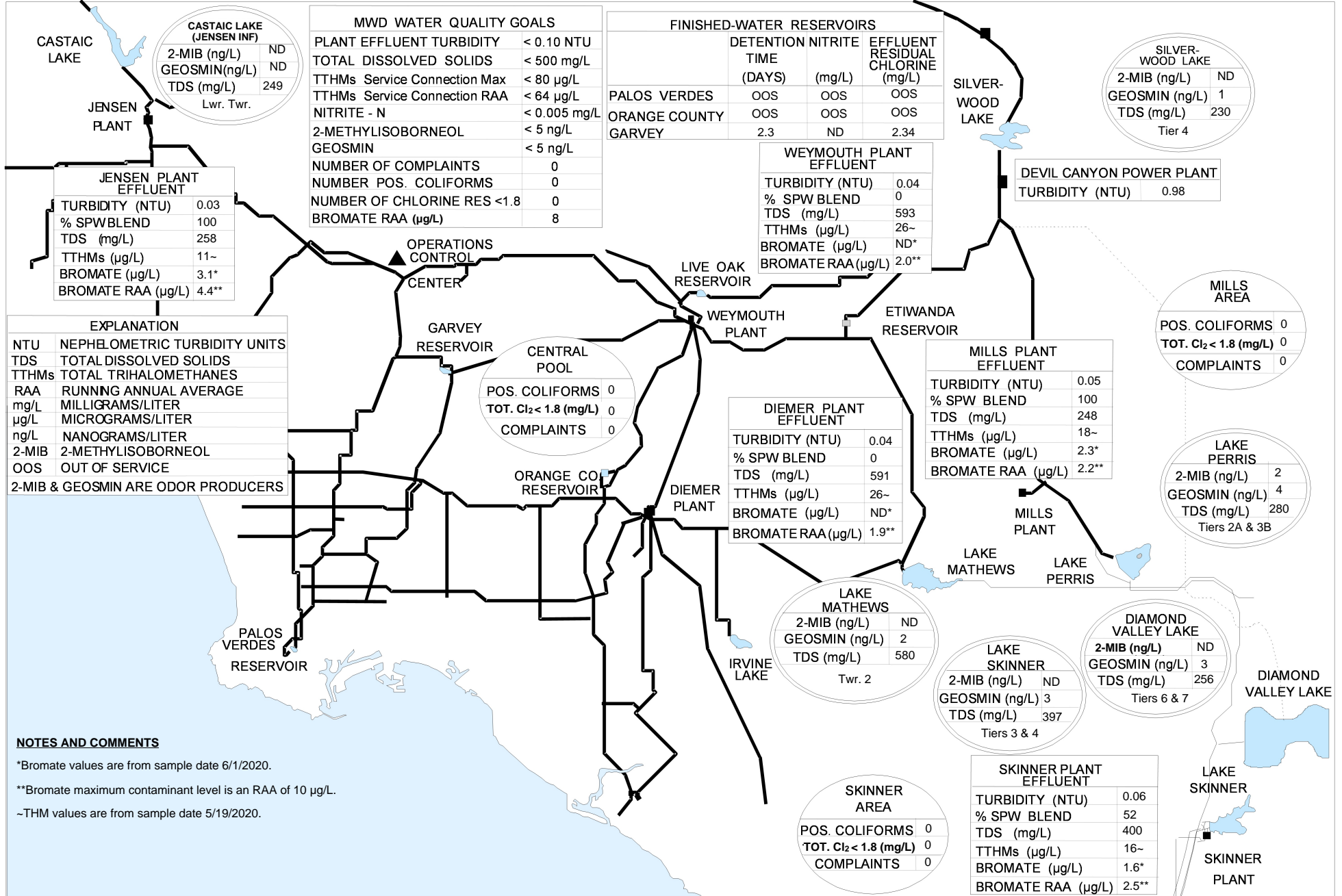
Wednesday, June 10, 2020

Generated On:6/10/2020 2:13:34 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>



## Memorandum

**DATE:** June 16, 2020  
**TO:** Member Agencies – MWD OC Division Five  
**FROM:** Sat Tamaribuchi, Director – Division Five  
**SUBJECT:** Monthly Water Usage Data, Tier 2 Projection & Water Supply Information

---

The 2019-20 Water Year (2019-20 WY) officially started on October 1, 2019. Thus far, the Northern California accumulated precipitation (8-Station Index) is reporting **31.03 inches or 65% of normal** as of May 27th. For 2019-20 WY, the Northern Sierra Snow Water Equivalent is reporting **19.5 inches on April 8th**, which is **71% of normal** for that day. Due to a slight increase in precipitation/snowfall, the Department of Water Resources (DWR) has increased the State Water Project (SWP) **“Table A” allocation at 20%**. This allocation provides Metropolitan with approximately **382,300 AF in SWP deliveries this water year**. DWR’s approval considered several factors including existing storage in SWP, conservation reservoirs, SWP operational regulatory constraints, and the 2020 contractor demands.

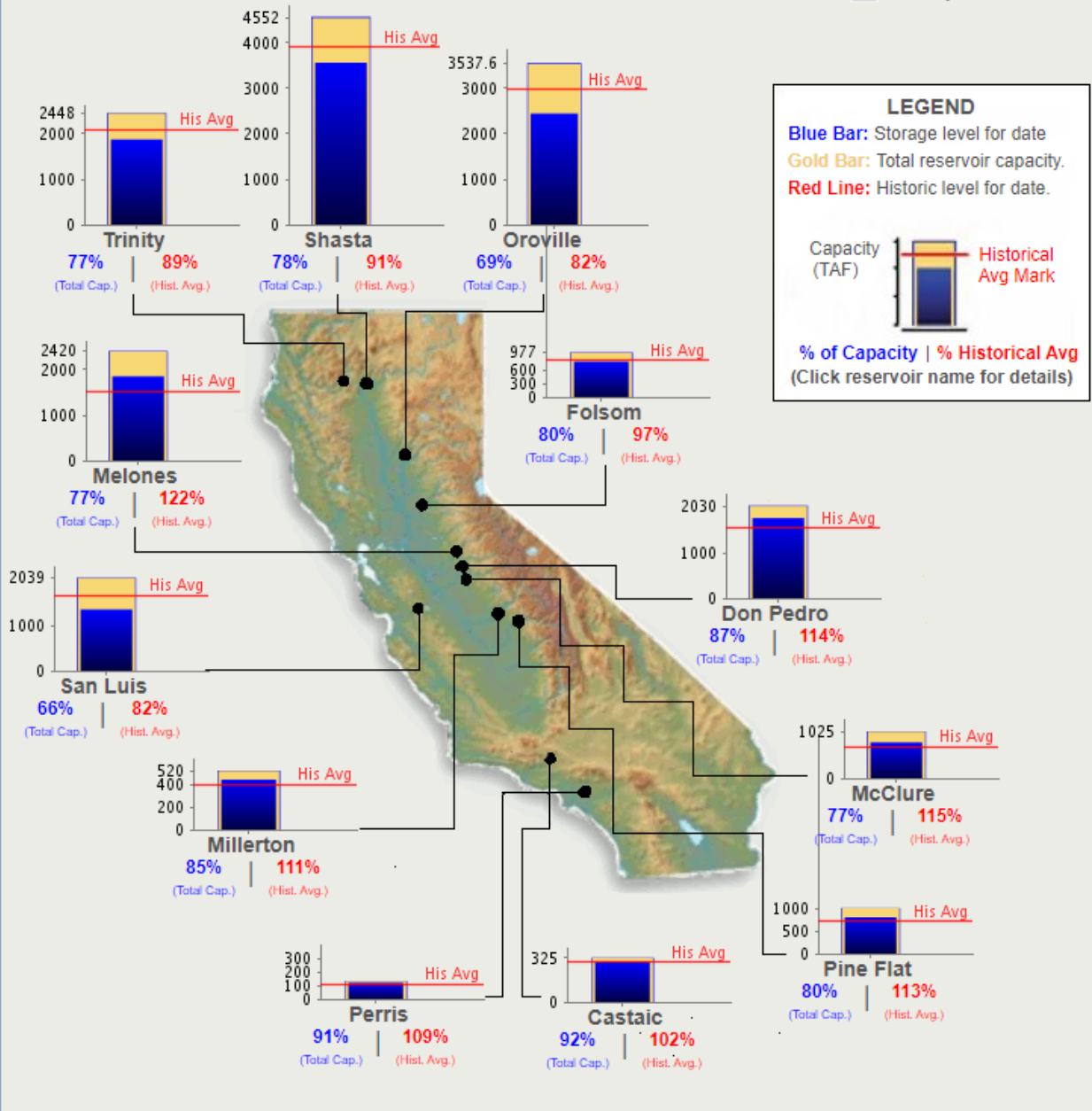
The Upper Colorado River Basin accumulated precipitation is reporting **19.2 inches or 82% of normal** as of May 26th. On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. The Upper Colorado River Basin Snow Water Equivalent was reporting **19.7 inches as of April 6th**, which is **100% of normal** for that day. Due to the above average precipitation/snowfall in 2018-19 WY, and due to average conditions in WY 2019-20, there is now a 0% chance of a shortage at Lake Mead in 2021 and an 9% chance of shortage in 2022.

As of May 26th Lake Oroville storage is at **69% of total capacity and 82% of normal**. As of May 26th San Luis Reservoir has a current volume of **66% of the reservoir’s total capacity and is 82% of normal**.

**CURRENT CONDITIONS FOR MAJOR RESERVOIRS: 26-MAY-2020**

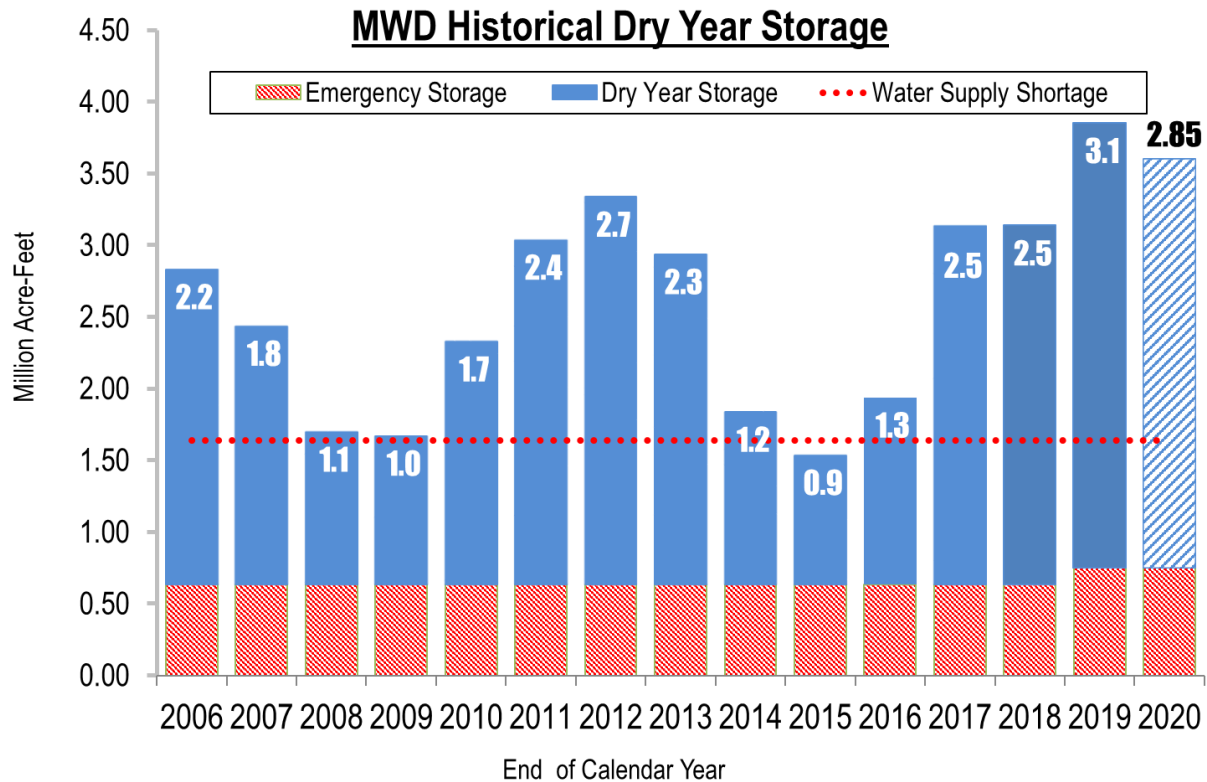
Data as of Midnight: 26-May-2020

Change Date: 26-May-2020



With estimated total demands and losses of 1.63 million acre-feet (MAF) and with a 20% SWP Table A Allocation, Metropolitan is projecting that demands will exceed supply levels in Calendar Year (CY) 2020. Based on this, estimated total dry-year storage for Metropolitan at the end of **CY 2020 will go down to approximately 2.85 MAF.**

A projected dry-year storage supply of **2.85 MAF will be the second highest amount for Metropolitan.** A large factor in the increase in water storage is because **water demands regionally have been at approximately 36-year lows.**



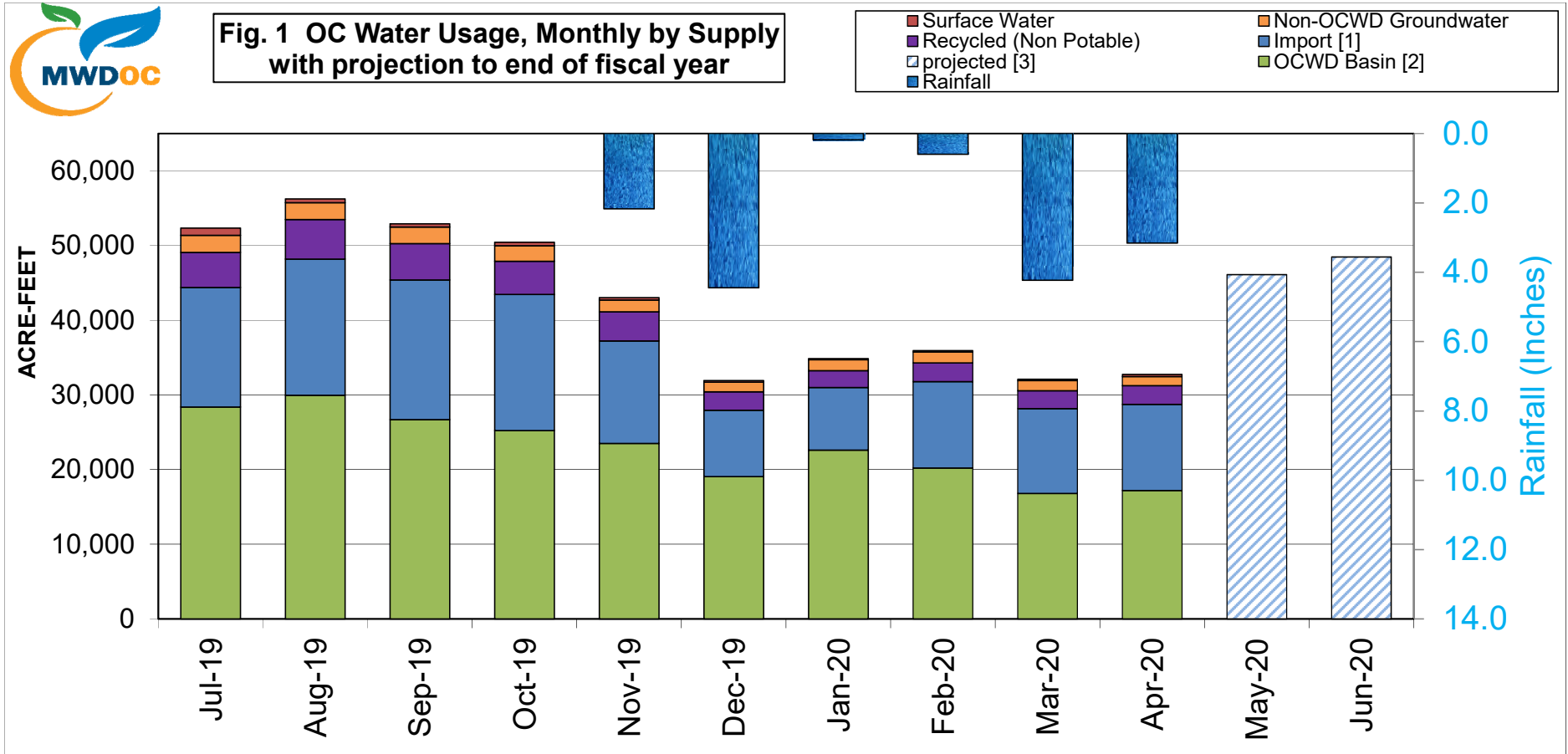
### 2019-20 CYCLIC IN-LIEU OPERATIONS

In regards to the 2019-20 Cyclic In-Lieu operations (a.k.a. MET Cyclic Cost Offset Program), as of December 2019 approximately **9,354.7 AF of imported water has been delivered into the OC Basin Cyclic Account via In-Lieu.**

Unfortunately, due to dry hydrology and a State Water Project allocation of 15 percent, Metropolitan has suspended all cyclic deliveries as of December 31, 2019, including Cyclic In-Lieu deliveries. Metropolitan will also begin reducing State Water Project deliveries to preserve flexibility in case the allocation remains low. Metropolitan will regularly revisit operational plans throughout early 2020, as the final SWP allocation for the calendar year will be unknown until the May/June timeframe.



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

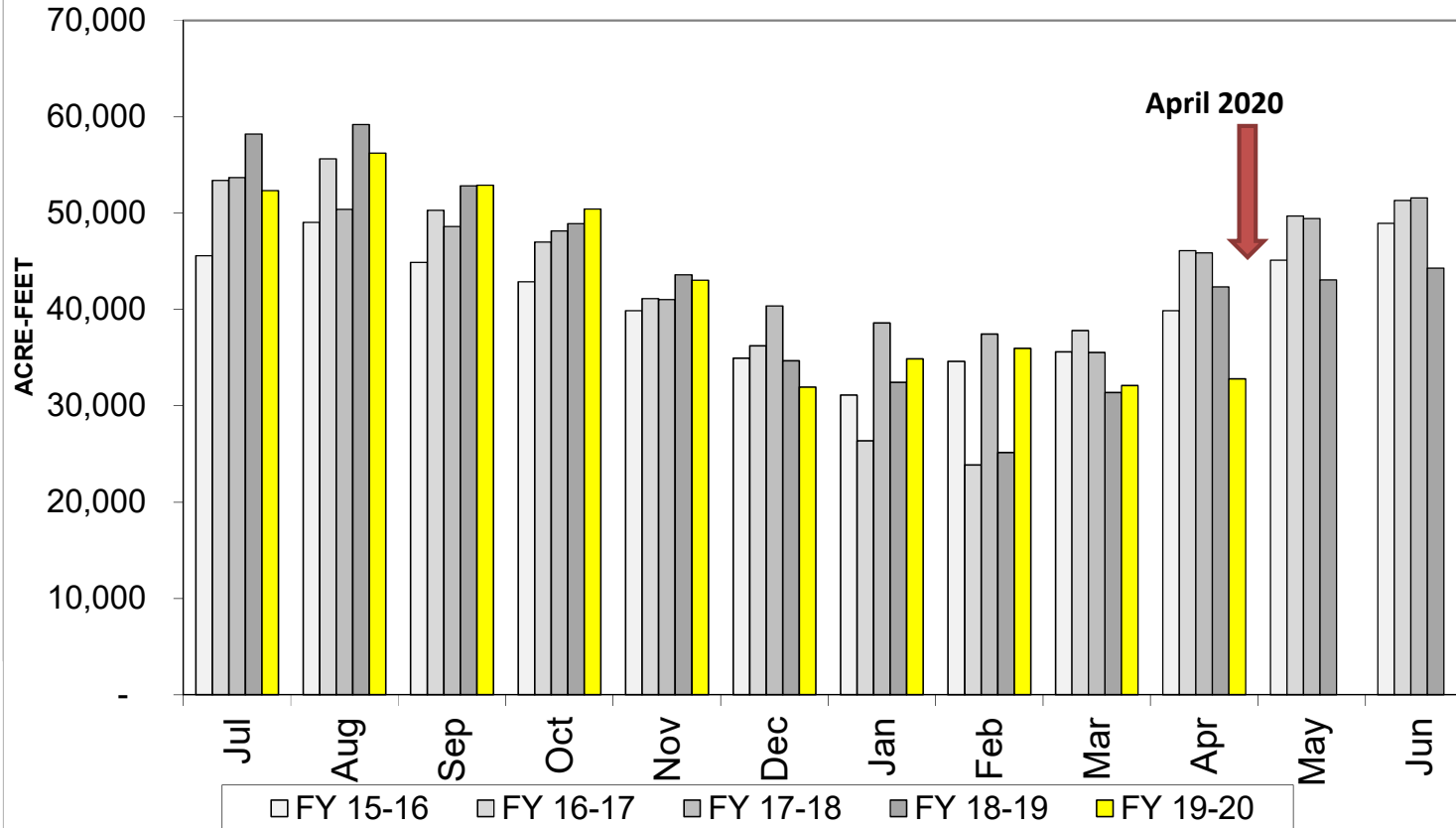


- [1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water and deliveries into Irvine Lake.
- [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '19-20 is 77%.
- [3] MWD OC's estimate of monthly demand is based on the projected 5 Year historical retail water demand and historical monthly demand patterns.
- [4] Total water usage includes IRWD groundwater agricultural use and usage by non-retail water agencies.

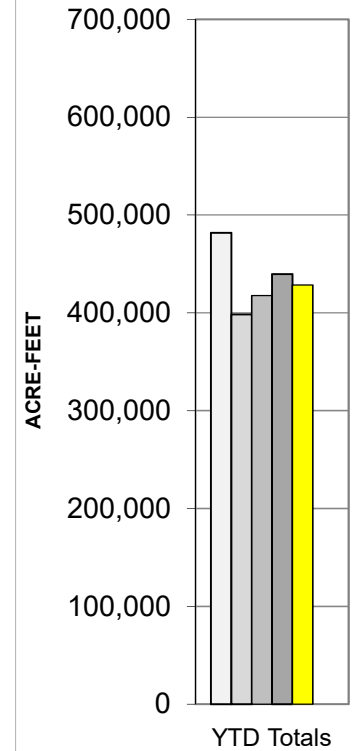




**Fig. 2 OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years**

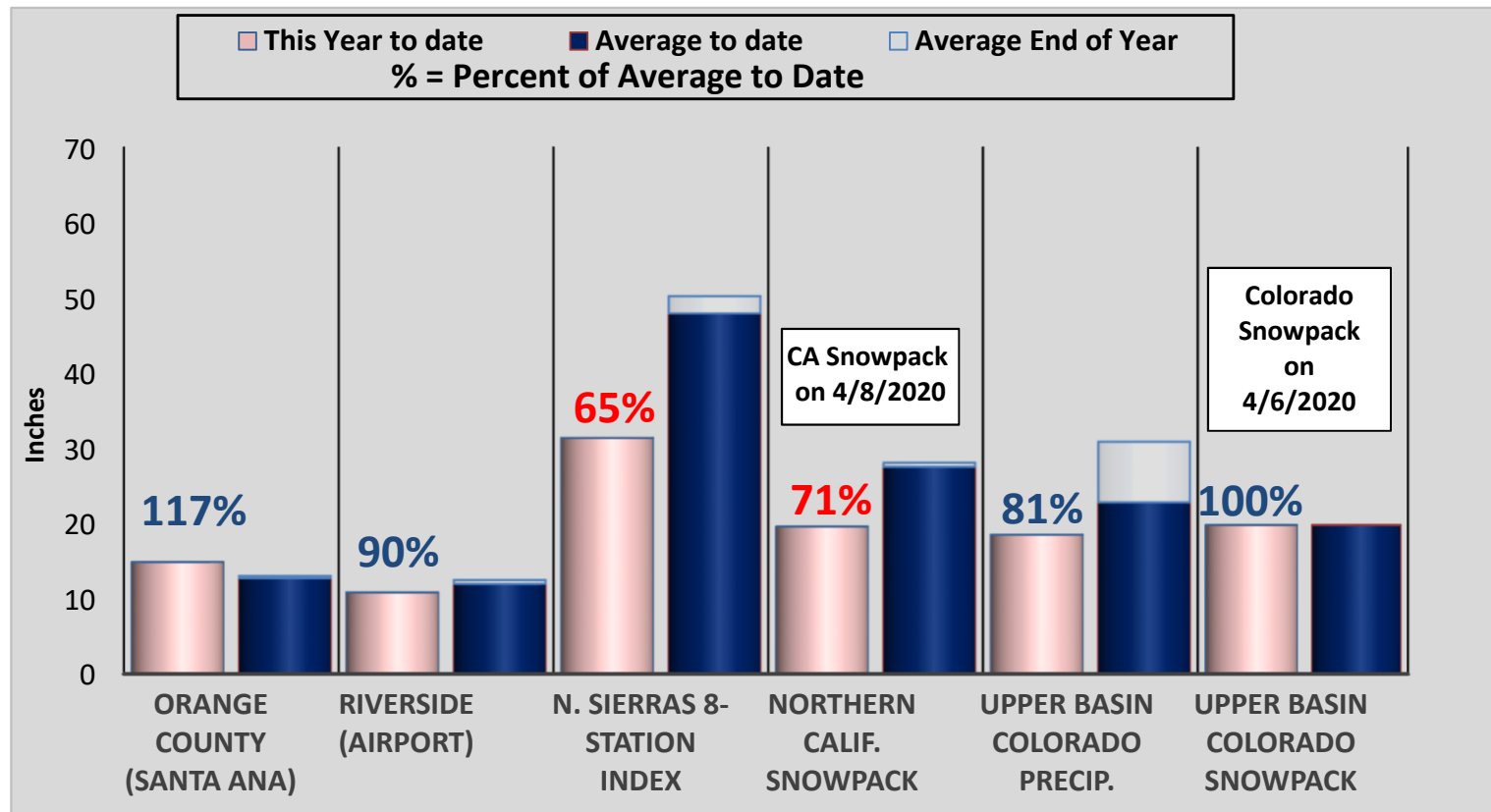


**Partial Year Subtotals**



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

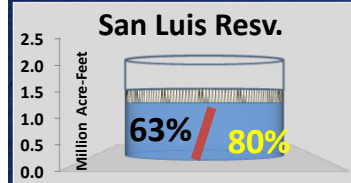
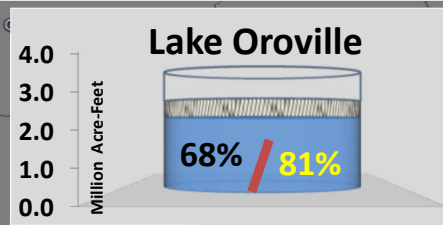
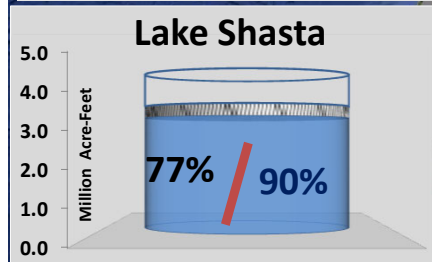
## Accumulated Precipitation for the Oct.-Sep. water year, early June 2020



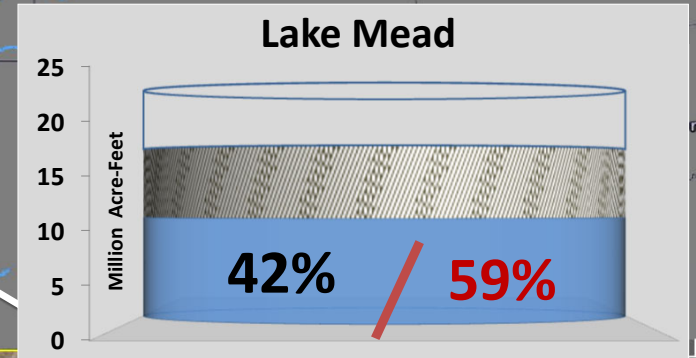
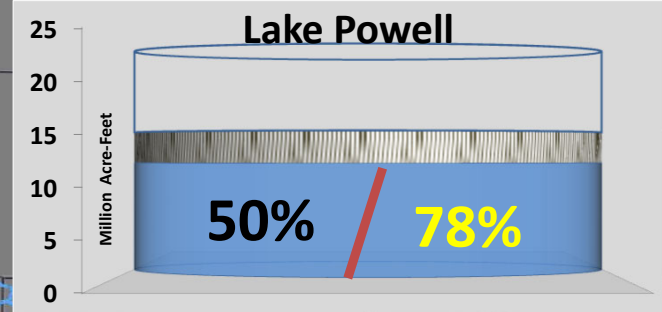
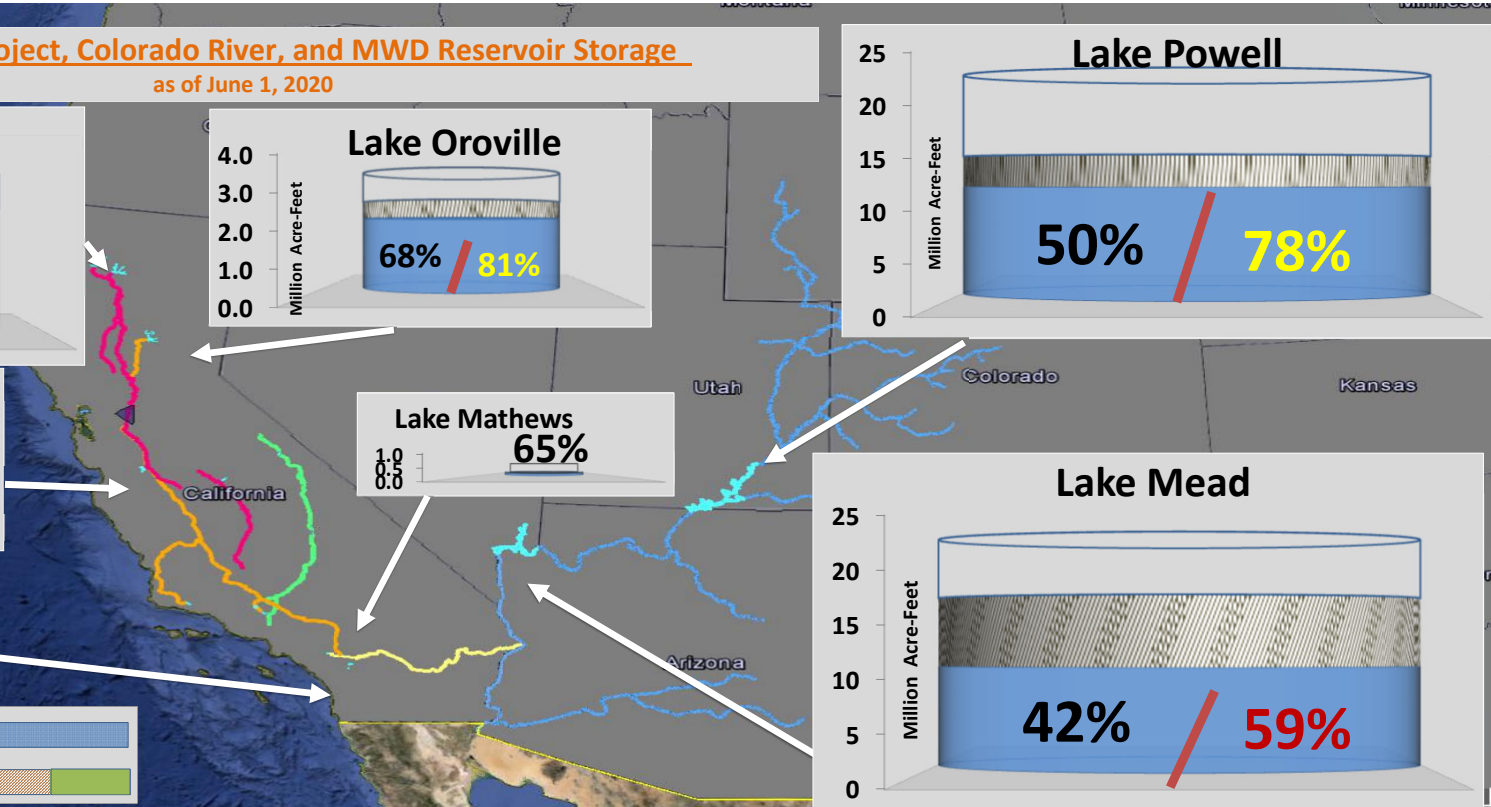
\* The date of maximum snowpack accumulation (April 1st in Northern Calif. , April 15th in the Upper Colorado Basin) is used for year to year comparison.

# State Water Project, Colorado River, and MWD Reservoir Storage

as of June 1, 2020

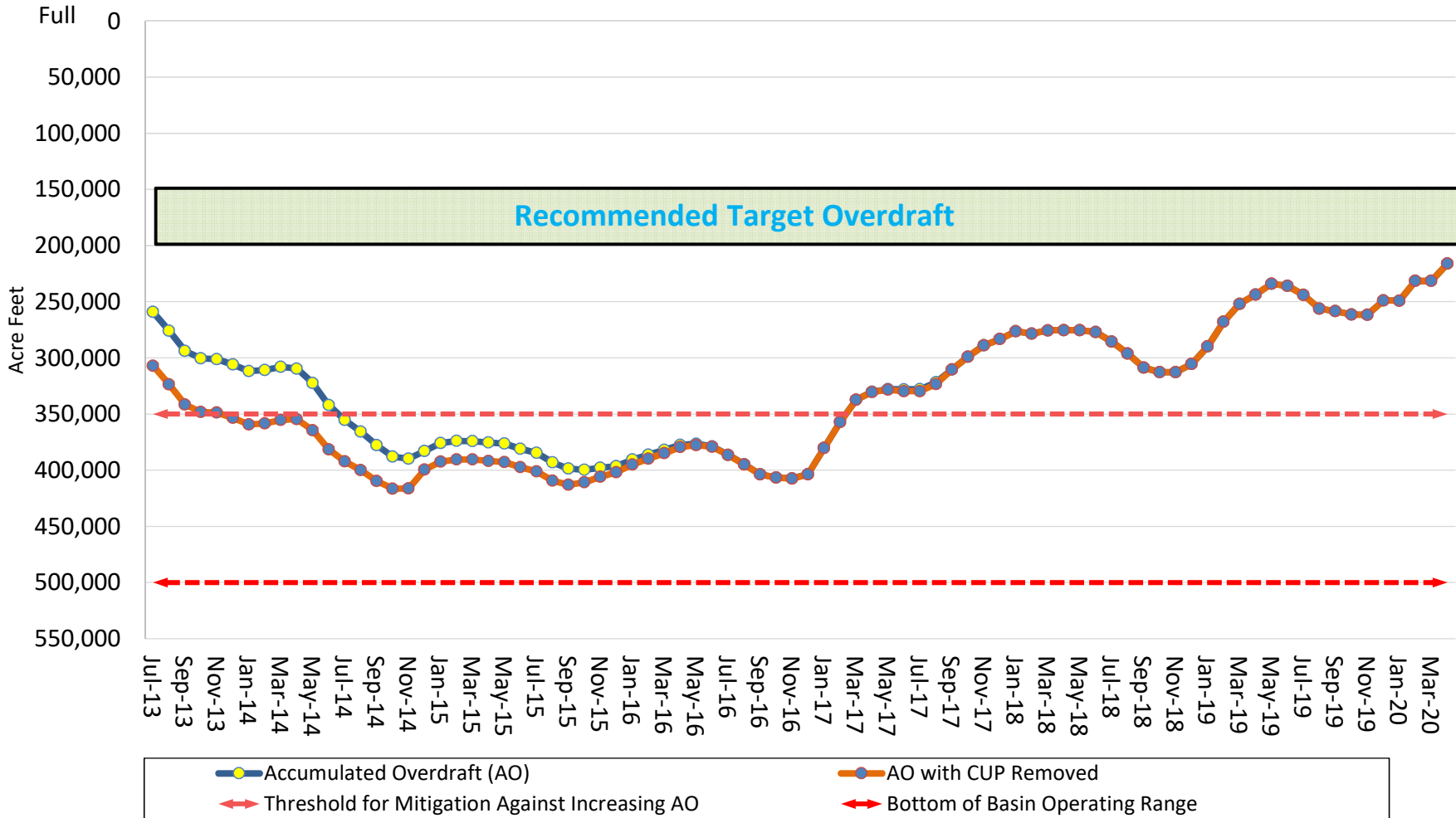


**% of Capacity**   
**% of Historical Avg.** 



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

## Accumulated Overdraft of the OCWD Groundwater Basin as of April 2020



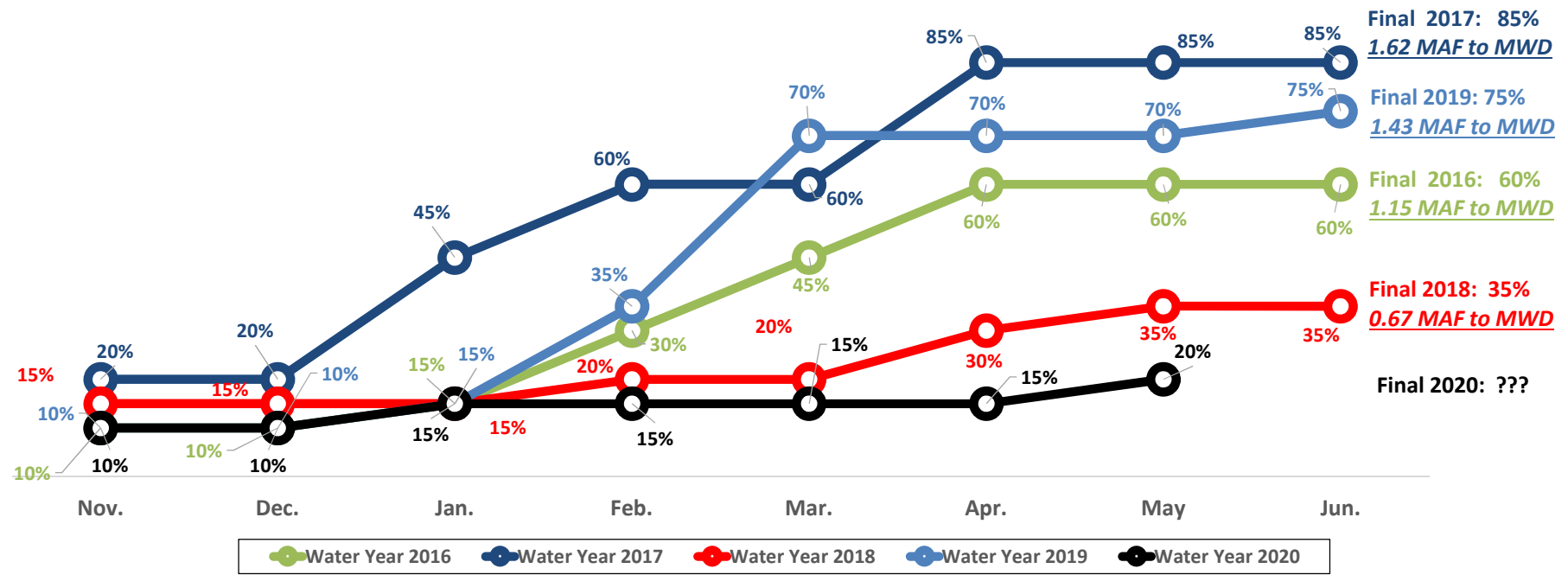
	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
AO (AF)	285,494	296,106	308,748	312,758	312,782	305,367	289,860	267,879	251,876	243,604	234,048	236,005
AO w/CUP removed (AF)	285,494	296,106	308,748	312,758	312,782	305,367	289,860	267,879	251,876	243,604	234,048	236,005
	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
AO (AF)	244,057	256,239	258,445	261,464	261,645	248,909	249,051	231,354	231,354	216,098		
AO w/CUP removed (AF)	244,057	256,239	258,446	261,464	261,645	248,909	249,051	231,354	231,354	216,098		

\* Source ~ OCWD Monthly Board of Directors Packet

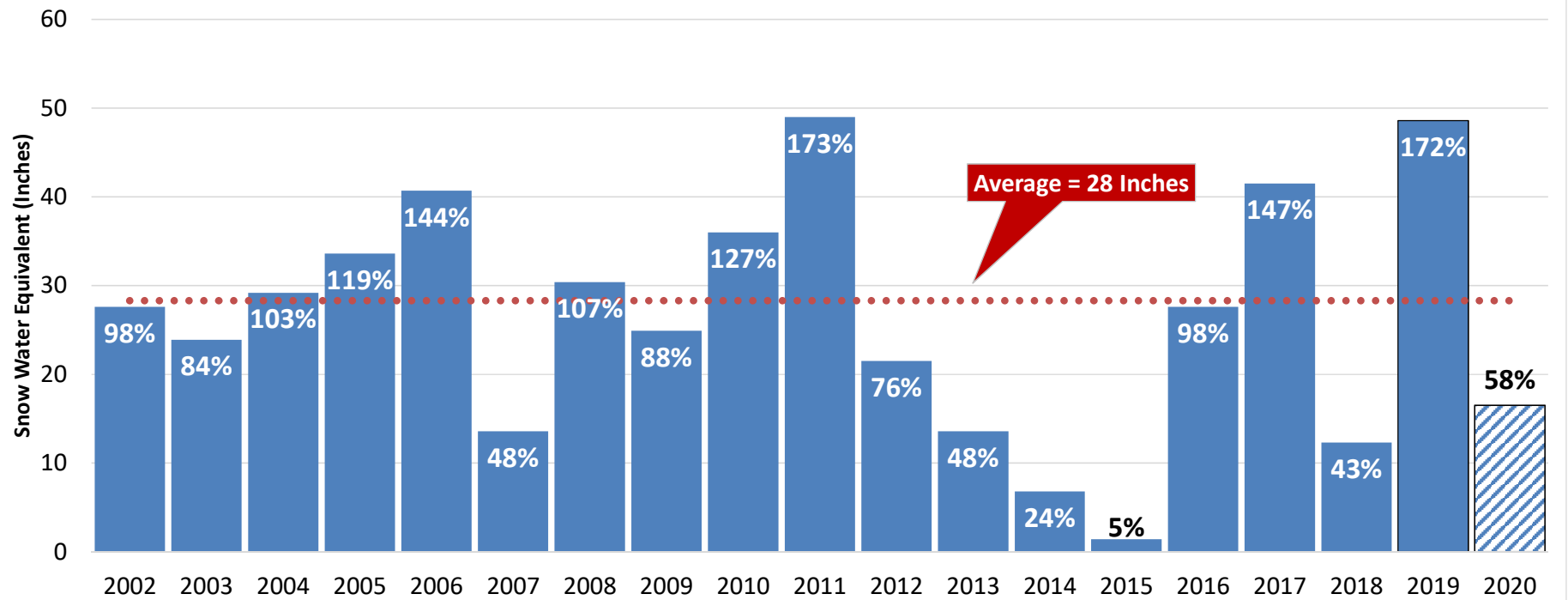


# SWP TABLE A ALLOCATION

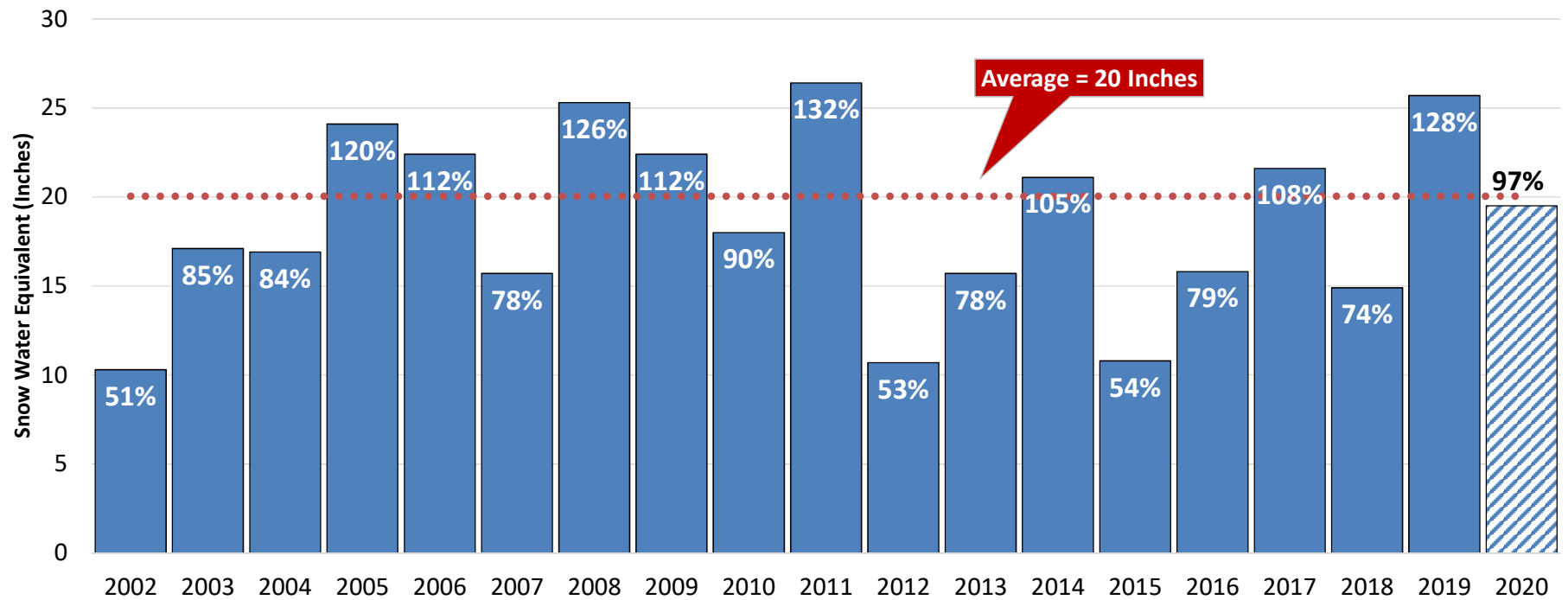
FOR STATE WATER PROJECT CONTRACTORS



### Historical Northern California April 1st Peak Snow Water Equivalent

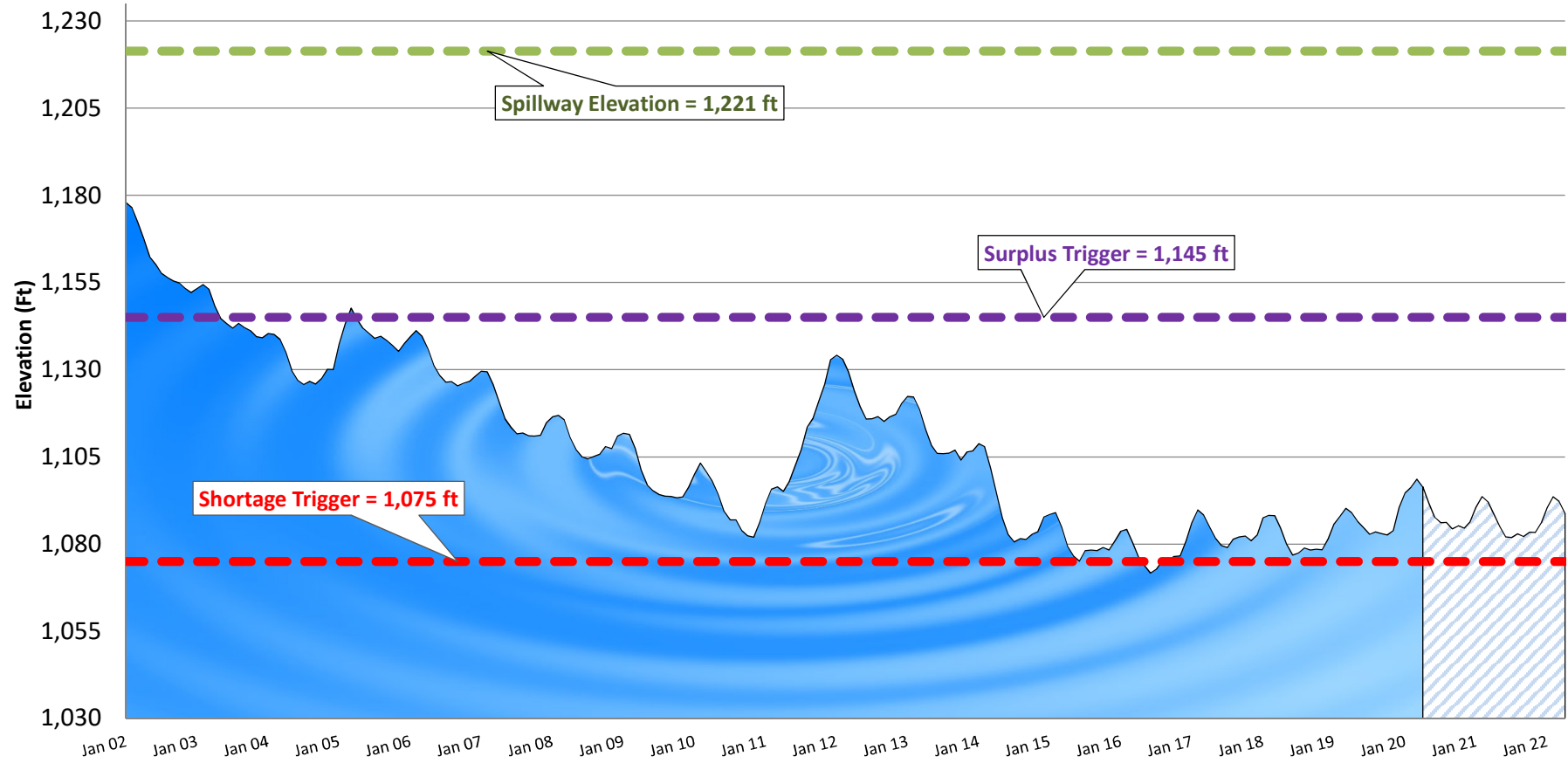


### Historical Colorado Basin April 15th Peak Snow Water Equivalent



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

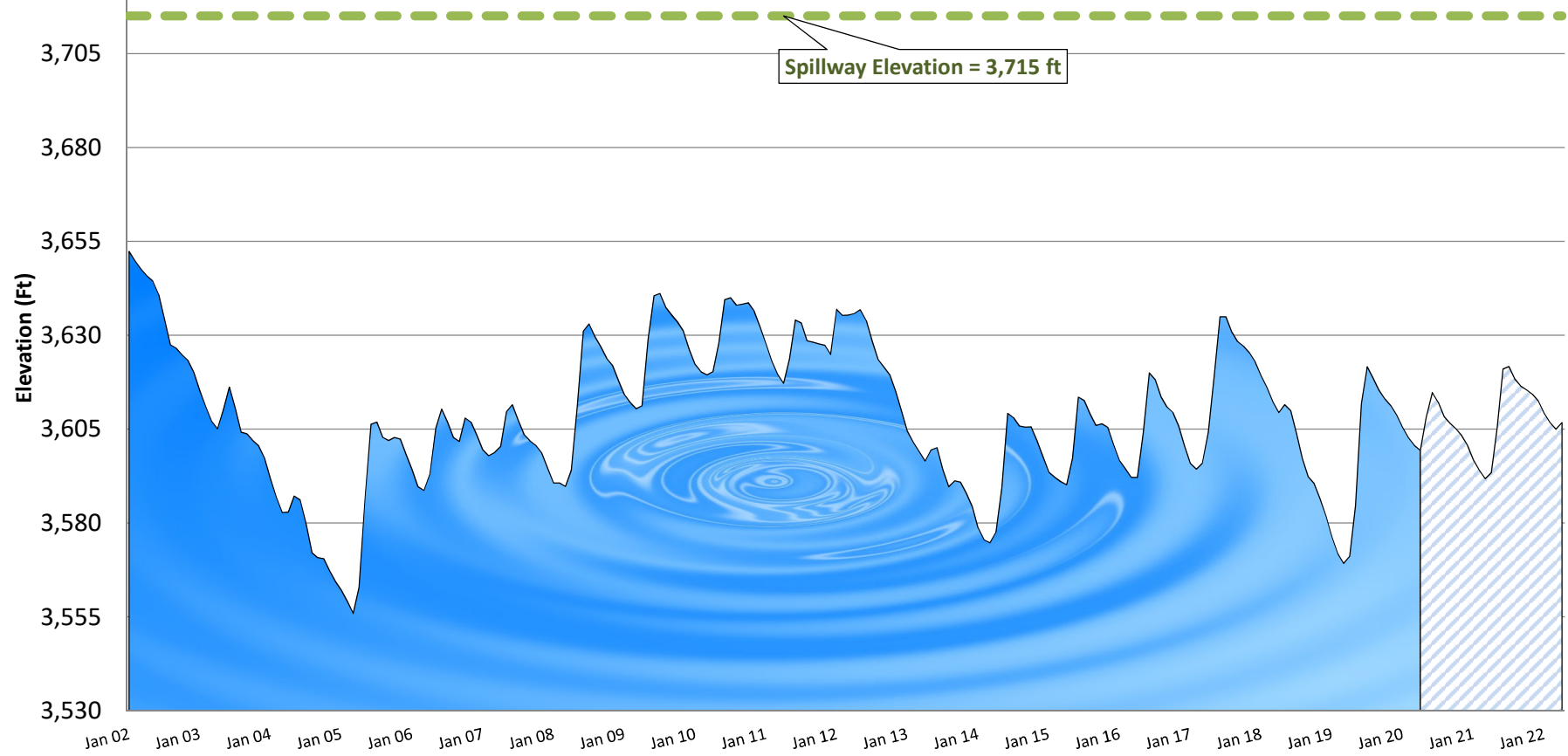
■ Historical    □ Projected



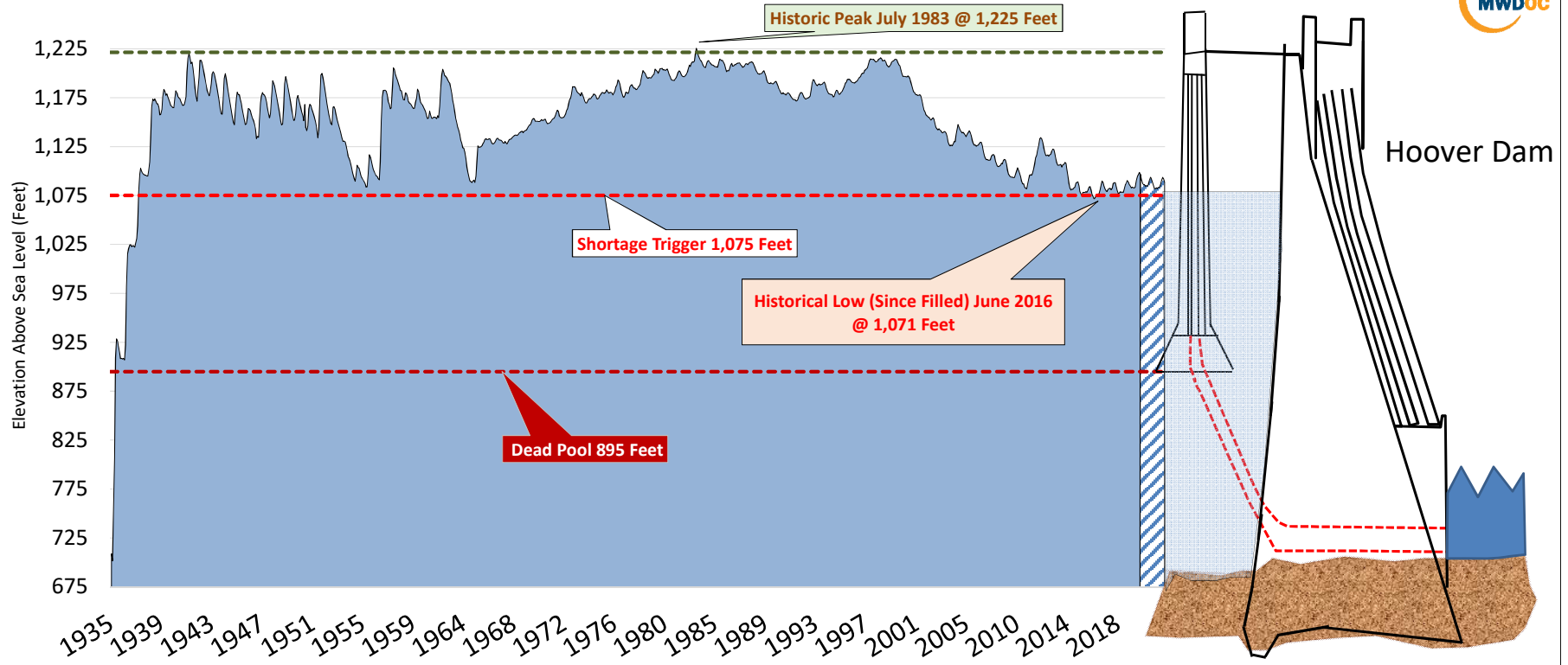


## Lake Powell Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected



## Lake Mead Historical Water Elevation Level





# WRP BATTERY STORAGE SYSTEM

## MONTHLY REPORT

MAY, 2020

BILLING PERIOD	PEAK REDUCTION	PEAK INCURRED	BILL SAVINGS	NET SAVINGS
07/15/2019 - 08/13/2019	67 kW	1,032 kW	\$3,703.97	\$2,113.97
08/13/2019 - 09/12/2019	9 kW	1,070 kW	\$5,529.24	\$3,939.24
09/12/2019 - 10/11/2019	-45 kW	988 kW	\$2,556.42	\$966.42
10/11/2019 - 11/13/2019	-45 kW	949 kW	(\$471.94)	(\$2,061.94)
11/13/2019 - 12/13/2019	28 kW	834 kW	\$168.96	(\$1,421.04)
12/13/2019 - 01/14/2020	-225 kW	904 kW	(\$2,149.49)	(\$3,739.49)
01/14/2020 - 02/12/2020	91 kW	641 kW	\$989.24	(\$600.76)
02/12/2020 - 03/13/2020	28 kW	873 kW	\$397.27	(\$1,192.73)
03/13/2020 - 04/13/2020	-204 kW	890 kW	(\$2,879.16)	(\$4,469.16)
04/13/2020 - 05/13/2020	40 kW	984 kW	\$459.74	(\$1,130.26)
05/13/2020 - 06/12/2020	74 Kw	997 kW	\$3,613.71	\$2,023.71
<b>TOTAL</b>			<b>\$11,917.96</b>	<b>(\$5,572.04)</b>



# WILL SERVE REQUEST STATUS REPORT

(May 2020)

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)

<b>Date Requested</b>	<b>Applicant</b>	<b>Project Description</b>	<b>Type</b>	<b>Location</b>	<b>Status</b>	<b>Date Issued</b>
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	Issued	11/20/19
8/29/19	Merlone Geier Partners	Hunter Court Utility Relocations	TI	24322 Rockfield Blvd	Issued	12/9/19
11/15/19	Kiddie Academy	New Daycare at previous Restaurant	TI	25521 Muirlands Blvd	Issued	1/7/20

ND = New Development

TI = Tenant Improvement



**Barker  
Leavitt**  
ATTORNEYS AT LAW

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FIFTH FLOOR  
WASHINGTON, DC 20007  
(202) 293-4064  
www.barkerleavitt.com

James C. Barker  
Ryan Leavitt

*Municipal Water District of Orange County, California  
Washington Update  
June 9, 2020*

***Protests continue across the U.S. and in Washington, DC over racial inequality and policing issues; Economic uncertainty caused by COVID-19 pandemic remains; Congress has a packaged summer legislative agenda***

The Senate's summer legislative calendar has not changed as a result of COVID-19, in fact, the Senate is in session each weekday for the entire month of June. On the other hand, the House has taken a much more cautious approach and has opted to conduct committee hearings and legislative markups virtually—in late May, the House changed its rules to allow for proxy voting on the House Floor. The constitutionality of this rules change is currently being challenged in the federal courts.

Despite all of the many challenges, Congress has an ambitious legislative agenda in the coming weeks and months including considering infrastructure legislation, the Water Resources Development Act (WRDA), appropriations for critical federal water programs (Bureau of Reclamation, Army Corps of Engineers, and EPA), the National Defense Authorization Act (NDAA) including PFAS provisions, potentially additional coronavirus relief legislation, and policing reforms.

**House-Passed HEROES Act and Coronavirus Aid Legislation**

Since our last report, the House introduced and passed, on a mostly party line vote, the \$3 trillion coronavirus relief bill known as the HEROES Act. The House Democrats' 1,800-page bill contains nearly \$1 trillion (\$915 million) in aid to states, counties, and municipal governments. The bill also would appropriate \$1.5 billion for utility assistance to low income

individuals for rate relief for their utility bills—including water and wastewater. This bill also establishes a moratorium on water service disconnections/terminations. The bill also extends tax credits for paid sick and paid family/medical leave to state and local governments.

This major legislation will certainly not be passed by the Republican-controlled Senate in its current form. In fact, it is largely understood that the House passed the HEROES Act to lay down a “marker” as a starting point for negotiations on further COVID-19 aid with the Senate and White House.

Bolstered by a better than expected jobs report in May, Senate Republicans have continued to express reservations about moving more economic assistance legislation too quickly. However, as America deals with double-digit unemployment in an election year, it is widely expected that Congress will eventually consider and likely pass another round of coronavirus relief—including some form of aid to states and local governments. Senate Republican Leader McConnell has conditioned that any future aid would need to be tied to liability limits for businesses reopening amid the pandemic crisis.

As a reminder, MWDOC sent a letter to our Congressional Delegation and to House and Senate Leadership/relevant Committees advocating for federal assistance for special districts, revenue relief, water infrastructure investments, and payroll tax credit relief. We continue to actively advocate for the inclusion of aid to state and local governments—including for special districts—in another coronavirus relief bill.

We don't anticipate that this legislation will seriously be negotiated until after the July 4<sup>th</sup> Holiday with the goal of passing this bill by August.

***Infrastructure Investment Bills (House and Senate):***

Although the House did not include infrastructure investments in their \$3 trillion HEROES Act coronavirus relief legislation, it is clear that infrastructure investments are a top priority for the House of Representatives this summer. The House Transportation & Infrastructure (T&I) Committee Chair DeFazio introduced the INVEST Act, the surface transportation component of a broader infrastructure package that House T&I will markup on June 17. We are also hearing that the House Energy & Commerce (E&C) Committee and Natural Resources Committee will likely introduce the water infrastructure components for the package later in June or in July.

As a reminder, House Democrats released a legislative framework in January that would be a five-year \$760 billion infrastructure bill to improve the nation's roads, bridges, public transit systems, health centers, and very importantly drinking water systems. Specifically, they

mentioned \$86 billion for water infrastructure grants, \$50 billion for clean water state revolving fund loans, \$25 billion for the drinking water state revolving fund.

Although Republicans have not been included thus far in the House's infrastructure efforts, last month, the Senate Environment and Public Works (EPW) Committee passed two bipartisan water infrastructure bills unanimously. The bills, America's Water Infrastructure Act of 2020 (S. 3591), and the Drinking Water Infrastructure Act of 2020 (S. 3590), would authorize new Army Corps of Engineers projects, reauthorize the Clean Water State Revolving Fund and the Safe Drinking Water Act emergency fund, and make a series of policy changes regarding drinking water, flood control and water supply programs.

#### Highlights of the Senate Bill:

- \$17 billion in water infrastructure projects, including Western water storage provisions.
- It also authorizes the EPA's Clean Water State Revolving Fund and increases that authorization over three years to \$3 billion and reauthorizes WIFIA.
- Additionally, the legislation provides about \$2.5 billion in authorizations for the Safe Drinking Water Act emergency fund and provides \$300 billion in grants for the removal of drinking water contaminants—including PFAS.
- As you know, these are critical sources of federal funding, administered by the State of California, for water agencies to receive grants and low interest loans for water infrastructure projects.

These bills are the Senate's vehicle for the 2020 Water Resources Development Act (WRDA), which is typically authorized every two years (the last being authorized in 2018).

We are continuing to closely monitor these infrastructure bills and will continue to keep the MWDOC Board and staff up to date.

#### ***Trump Executive Order on Infrastructure:***

On June 4, 2020, President Trump signed an executive order expediting permitting for infrastructure projects. The idea is to ease the regulatory red tape to speed up the nation's recovery from the COVID-19 pandemic.

Specifically, the order directs federal agencies, including Interior (Bureau of Reclamation), Agriculture, Defense, and the Army Corps of Engineers to speed up the permitting processes under the National Environmental Policy Act (NEPA), the Endangered Species Act, and the Clean Water Act.



### ***FY21 Appropriations:***

The Senate is expected to begin marking up FY21 appropriations bills the week of June 22. House Appropriations Committee Chairwoman Nita Lowey announced that all 12 Appropriations Committee Subcommittees will markup these appropriations bills the week of July 6, 2020. She also announced that she plans to hold a markup up by the full Appropriations Committee the week of July 13, 2020. She plans to bring these bills for consideration on the House Floor the weeks of July 20<sup>th</sup> and July 27<sup>th</sup>. We are hearing that both the House Energy & Water and the Interior-EPA bills are well underway and aren't expected to receive much resistance in the Committee.

We don't expect that the House and Senate will be able to finish consideration of these appropriations bills before the end of the current fiscal year, which ends on September 30, 2020. Instead, we expect that Congress will have to pass some sort of a stopgap measure (continuing resolution) to continue to fund the government the spending current level until Congress and complete the appropriations process for FY21—likely after the November Presidential Election.

As a reminder, on behalf of MWDOC, we submitted an appropriation request to all of the Orange County House Members and both CA Senators. The request was language to be added to the FY21 Energy & Water Appropriations bill that would benefit water projects that have already gone through the process to be awarded grants under the WIIN Act and that have already had their projects subsequently approved by Congress in an appropriations bill. MWDOC's requested language would remove the requirement that future grant awards for those previously approved projects have to once again be approved by Congress in future spending bills. If this "second bite" language is adopted, it could significantly shorten the time between when the grant is awarded by the BOR and when the grant funds are actually dispersed to the water agency that was awarded the grant.

Again, we are continuing to advocate for full funding of important water programs and agencies like the BOR, USACE, Clean/Drinking Water State Revolving Funds, and the WIFIA program. All of these programs were given large cuts in the President's FY21 Budget Proposal.

### ***PFAS Update:***

#### **PFAS Provisions in the NDAA Defense Spending Bill**

The Senate Armed Services Committee is expected to report their National Defense Authorization Act (NDAA) defense spending bill to the Senate floor this week. Meanwhile, the

House Armed Services Committee has scheduled the House's version of the NDAA for markup on July 1, 2020. We expect that this bill will be on the House Floor in late July.

You may remember that last year, the House added significant provisions to the NDAA related to PFAS. After a very contentious fight with the Senate over the PFAS provisions, most of them were stripped out of the final NDAA passed in December 2019. We fully expect that the House Armed Services Committee will again include Representative Dingell's PFAS bill in this year's NDAA. Dingell's bill (H.R. 535) passed the House in January 2020 as a stand-alone bill. As you know, H.R. 535 designates PFAS as a hazardous substance under the Superfund Law CERCLA. As a reminder, MWDOC sent a letter to all of Orange County's Congressional Delegation expressing concerns with designating PFAS under CERCLA without some clarification that water systems are exempted from Superfund liability. We continue to track this issue very closely, and we fully expect this controversial provision to be held up in the Senate.

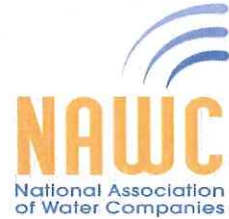
#### **Water Coalition Letter to EPA on PFAS**

On June 3, 2020, a large coalition of water groups, including ACWA, the National Water Resources Association, the American Water Works Association, the Association of Metropolitan Water Agencies, and others, sent a letter to EPA Administrator Andrew Wheeler regarding the regulation of PFOS, PFOA, and PFAS in drinking water. Specifically, the letter urges the EPA to expeditiously prepare the required analysis, based on sound science, for the EPA's proposed drinking water standards for PFOS and PFOA. Additionally, the letter asks the EPA to actively engage water systems, local governments, state agencies, and other key water stakeholders in the implementation of PFAS risk management.

This letter was sent to EPA after the Administrator testified before Congress that the EPA won't be able to set drinking water limits for PFOS and PFOA within a year. The agency is likely to miss its deadlines to complete risk assessments for these toxic chemicals.

The is attached as a reference.

*JCB/RWL 6/09/20*



June 3, 2020

The Honorable Andrew Wheeler  
Administrator  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave NW  
Washington, DC 20460

SENT VIA ELECTRONIC MAIL

Subject: Regulation of PFOS, PFOA and other PFAS in drinking water

Dear Mr. Wheeler:

We appreciate the U.S. Environmental Protection Agency (EPA) acting on its Per- and Poly-fluoroalkyl Substance (PFAS) Action Plan and proposing positive regulatory determinations for perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). We ask that EPA move expeditiously to prepare the requisite analyses critical to proposing sound drinking water standards. The implications of regulating these substances will be far-reaching. A well-timed decision, based on sound science and robust analyses, is necessary to ensure effective protection of human health.

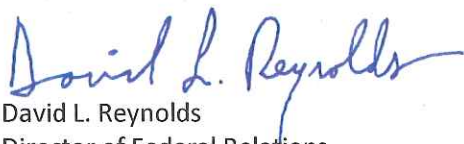
We recognize that the Environmental Protection Agency finds that there is sufficient information to meet the requirements of 42 U.S. Code § 300g-1(b)(1)(B) to make a positive regulatory determination for PFOA and PFOS. Based on our collective concern and interest in timely regulatory decisions regarding PFAS by EPA under the Safe Drinking Water Act (SDWA) and other statutes, we, the undersigned, urge the Agency to:

1. Provide the resources required to complete the technical and economic analyses necessary to support a proposed SDWA action for PFOA and PFOS.
2. Begin engagement with outside experts to develop and review a public health risk assessment for PFAS beyond PFOA and PFOS to guide determining which PFAS or groups of PFAS should be targeted for data collection and risk management measures.
3. Actively engage water systems, local government, state agencies, and other key stakeholders in the practical implementation of PFAS risk management including establishing the adequacy of analytical methods and capacity, effective risk communication, and sustainable treatment options, among other important factors.
4. Accelerate research on water treatment, occurrence, and health effects to support future decision making and contaminant prioritization.
5. Leverage available regulatory tools in other statutes to gather occurrence and health risk assessment data and organize them to support research and decision making, using regulatory tools that include the Toxics Release Inventory, Sections 4 and 8 of the Toxic Substances Control Act, and the Unregulated Contaminant Monitoring Rule.

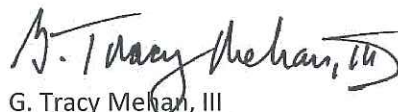
America's water supply should not be the primary line of defense against pollutants that pose a serious public health risk. EPA should proactively utilize TSCA, the Resource Conservation and Recovery Act, and other existing authorities to protect drinking water supplies. EPA must use these authorities to ensure safe and controlled use of chemicals that pose a risk to human health and the environment. A holistic regulatory approach is needed not only to address public health concerns but also to ensure public confidence.

Thank you for your consideration. Please contact any of the undersigned organizations if we can be of assistance.

Sincerely,



David L. Reynolds  
 Director of Federal Relations  
 Association of California Water Agencies



G. Tracy Mehan, III  
 Executive Director for Government Affairs  
 American Water Works Association



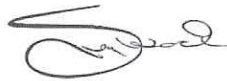
Diane VanDe Hei  
 Chief Executive Officer  
 Association of Metropolitan Water Agencies



Michel J. (Mike) Paque, CAE  
 Executive Director  
 The Ground Water Protection Council



John Farner  
Government and Public Affairs Director  
Irrigation Association



Sam Wade  
Chief Executive Officer  
National Rural Water Association



Robert F. Powelson  
President and Chief Executive Officer  
National Association of Water Companies



Ian Lyle  
Executive Vice President  
National Water Resources Association



Terry S. Morse, CAE, CIC  
Chief Executive Officer  
National Ground Water Association

**Signatories to this letter represent:**

**Association of California Water Agencies**

ACWA is the largest statewide coalition of public water agencies in the country. Our more than 455 public agency members collectively are responsible for 90% of the water delivered to cities, farms and businesses in California. For more than a century, our mission has been clear: to help members promote the development, management and use of good quality water at the lowest practical cost and in an environmentally responsible manner.

**Association of Metropolitan Water Agencies**

The Association of Metropolitan Water Agencies is an organization of the largest publicly owned water utilities in the United States. AMWA's membership serves more than 156 million people – from Alaska to Puerto Rico – with safe drinking water. AMWA is the nation's only policy-making organization solely for metropolitan drinking water suppliers. The association was formed in 1981 by a group of general managers of metropolitan water systems who wanted to ensure that the issues of large publicly owned water suppliers would be represented in Washington, D.C. Member representatives to AMWA are the general managers and CEOs of these large water systems.

**American Water Works Association**

The American Water Works Association is an international, nonprofit, scientific and educational society dedicated to providing total water solutions assuring the effective management of water. Founded in 1881, the Association is the largest organization of water supply professionals in the world. Our membership includes over 3,900 utilities that supply roughly 80 percent of the nation's drinking water and treat almost half of the nation's wastewater. Our nearly 50,000 total memberships represent the full spectrum of the water community: public water and wastewater systems, environmental advocates, scientists, academicians, and others who hold a genuine interest in water, our most important resource. AWWA unites the diverse water community to advance public health, safety, the economy, and the environment.

**The Ground Water Protection Council**

The GWPC's membership consists of representatives of state water quality and underground injection control (UIC) regulatory agencies that mutually work toward the protection of groundwater nationwide. Our focus is specifically on protecting groundwater supplies, conserving groundwater resources for all beneficial uses, and recognizing groundwater as a critical component of the ecosystem. The GWPC is unique among state associations in that its members are the state officials who set and enforce regulations for groundwater protection and underground injection control.

**Irrigation Association**

With a mission "to promote efficient irrigation," the Irrigation Association is the leading membership organization for irrigation equipment and system manufacturers, dealers, distributors, designers, consultants, contractors and end users. The association serves its members and the irrigation industry by educating the public on sound practices and water management, serving as a centralized

clearinghouse for research and innovation, improving industry proficiency through continuing education, recognizing and promoting experience and excellence with professional certification, and lending expertise to water-use public policy at the local, state, regional and national levels.

### **National Association of Water Companies**

Every day, private water service companies help provide essential water and wastewater services to nearly 73 million people in the United States. That's almost one quarter of our nation's population. The National Association of Water Companies is the voice of the private water industry—the organization exclusively representing this group of quality service providers, innovation drivers and responsible partners. We are an association defined by our members, and by working together we can leverage our strengths to more effectively address the opportunities and challenges facing our nation. We serve as a credible resource and qualified professional partner for anyone who cares about safe and high-quality water.

### **National Ground Water Association**

The National Ground Water Association, the largest trade association and professional society of groundwater professionals in the world, represents groundwater professionals within the United States and internationally. NGWA represents four key sectors: scientists and engineers, employed by private industry, by the consulting community, by academic institutions, and by local, state, and federal governments, to assess groundwater quality, availability, and sustainability; water-well contractors responsible for developing and constructing water-well infrastructure for residential, commercial, and agricultural use; manufacturers responsible for manufacturing and providing the equipment needed to make groundwater development possible; and the suppliers responsible for supplying water handling equipment, rigs, and tools, or rendering specialized services to the groundwater industry. NGWA's mission is to advocate for and support the responsible development, management, and use of

### **National Rural Water Association**

The National Rural Water Association is the country's largest public water utility organization with over 30,000 members. Safe drinking water and wastewater service are generally recognized as the most essential public health, public welfare, and civic necessities.

Headquartered in Duncan (Oklahoma), the National Rural Water Association (NRWA) is the non-profit association of the federated state rural water associations with a combined membership of over 30,000 small and rural communities. NRWA is the country's largest water utility association and the largest community-based environmental organization. State Rural Water Associations are non-profit associations governed by elected board members from the membership. Our member utilities have the very important public responsibility of complying with all applicable U.S. Environmental Protection Agency (EPA) regulations and for supplying the public with safe drinking water and sanitation every second of every day.



**BEST BEST & KRIEGER**  
ATTORNEYS AT LAW

To: Municipal Water District of Orange County  
From: Syrus Devers, Best Best & Krieger  
Date: June 15, 2020  
Re: Monthly Report

**Legislative Report**

The number of bills on the Bill Matrix is shrinking because significant legislative deadlines have passed and more are just around the corner. May 29<sup>th</sup> was the last day to move a bill out of its first policy committee in the Assembly, and June 5<sup>th</sup> was the deadline to move a bill introduced this year out of a Senate policy committee. Surviving fiscal bills must then pass the Senate Appropriations Committees by June 19<sup>th</sup>, while the Assembly fiscal bill deadline was on June 5<sup>th</sup>. Senate bills must move over to the Assembly by June 26<sup>th</sup>, and from the Assembly to the Senate by June 19<sup>th</sup>. (Those deadlines are usually the same but they have been different in the past.) Some legislative deadlines were delayed due the lockdown, but deadlines in the Constitution cannot be changed. The Budget Bill must pass by midnight June 15<sup>th</sup> or the legislator's pay is suspended.

The Summer Recess will also be different for the two houses. The Assembly will break from June 19<sup>th</sup> until July 13<sup>th</sup>, and the Senate will recess from July 2<sup>nd</sup> until the 13<sup>th</sup>. Once they return from recess all remaining deadlines are the same in both houses.

The good news is that none of the bills that the water industry did not like made it through. The bad news is that we also lost a few good ones. Sen. Portantino, despite being Chair of the Appropriations Committee, could not get SB 996, which would have provided a science-based process for dealing with constituents of emerging concern, or "CFC's," out of the Environmental Quality Committee, nor could he move SB 1056, which would have required the SWRCB to approve a methodology for testing for PFAS and accredit laboratories. It has a tough year all around to move a bill.

**Administrative Report**

Comments on Groundwater Sustainability Plans (GSPs) were due earlier in June and the gloves came off. Neighboring water districts, some of whom normally get along quite well, fired criticisms at each other's plans where the assumptions under lying one GSPs conflicted with the assumptions of the





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available water in a nearby GSP that is hydrologically connected. The Central Valley, home to some of the state's largest agricultural water districts, was a hotbed of traded barbs. This is of interest to Southern California water interests for two reasons: first, the availability of groundwater for agricultural users has significant impacts on demands for Central Valley Project water, which in turn impacts the operation of the State Water Project, as seen in all the litigation referred to in last month's report; and second because it affects the water table underneath the California Aqueduct where over pumping of groundwater is causing subsidence. MWD leveled some criticisms at certain Central Valley GSPs that presumed continued levels of groundwater pumping were safe despite evidence to the contrary.

# The County of Orange Report

June 9, 2020  
by Lewis Consulting Group



## County COVID Confusion

Orange Countians can hardly be blamed if they are confused about face covering requirements once they venture outside their front door.

- 3. Cloth Face-Covering:** All Orange County residents and visitors shall wear a cloth face-covering when (i) in a public place; (ii) visiting a retail, commercial or other place of business; or (iii) at work, and when the resident or visitor is not able to maintain at least 6 feet of physical distance from another person who is not a family/household member or live in the same living unit.

A cloth face-covering is a material that covers the nose and mouth; it can be secured to the head with ties or straps or simply wrapped around the lower face; it can be made of a variety of materials, such as cotton, silk, or linen; and a face covering may be factory-made or sewn by hand, or can be improvised from household items such as scarfs, T-shirts, sweatshirts, or towels.

The cloth face-covering Order SHALL NOT APPLY to children under the age of 2; anyone who has trouble breathing, or is unconscious, incapacitated or otherwise unable to remove the cloth face-covering without assistance; persons with a medical or mental health condition, or development disability that prevents wearing a cloth face-covering.

On Friday, May 22, 2020 at midnight, Orange County's Health Officer, Nicole Quick issued the above order: The order drew criticism from Supervisor Don Wagner and Michelle Steel, along with dozens of ant-mask activists who voicefully objected at a following Board of Supervisors meeting. To add more confusion, Orange County Sheriff Don Barnes announced his department would not enforce the mask order, leaving it up to local cities with their own departments to decide how to proceed.

However, on May 28, 2020, Dr. Nicole Quick modified her order, making it more flexible:

3. **Cloth Face-Covering:** All Orange County residents and visitors shall wear a cloth face-covering outside their home when they are not able to maintain at least 6 feet of physical distance from another person who is not a family/household member or does not reside in the same living unit. The cloth face-covering order SHALL NOT APPLY to the following persons:

- Children under the age of 2;
- Anyone who has trouble breathing, or who is unconscious, incapacitated or otherwise unable to remove the cloth face-covering without assistance; or
- Persons with a medical or mental health condition or development disability that prevents wearing a cloth face-covering.

## Where Orange County Ranks

[as of 6/7/2020]



LOCATION	POPULATION	CONFIRMED CASES	DEATHS
CALIFORNIA	40,129,160	128,812	4,426
LOS ANGELES COUNTY	10,257,557	62,269	2,620
RIVERSIDE COUNTY	2,468,145	8,935	355
SAN DIEGO COUNTY	3,370,418	8,347	312
SAN BERNARDINO COUNTY	2,217,398	5,946	224
ORANGE COUNTY	3,228,519	7576	176

## JUNE MEETING

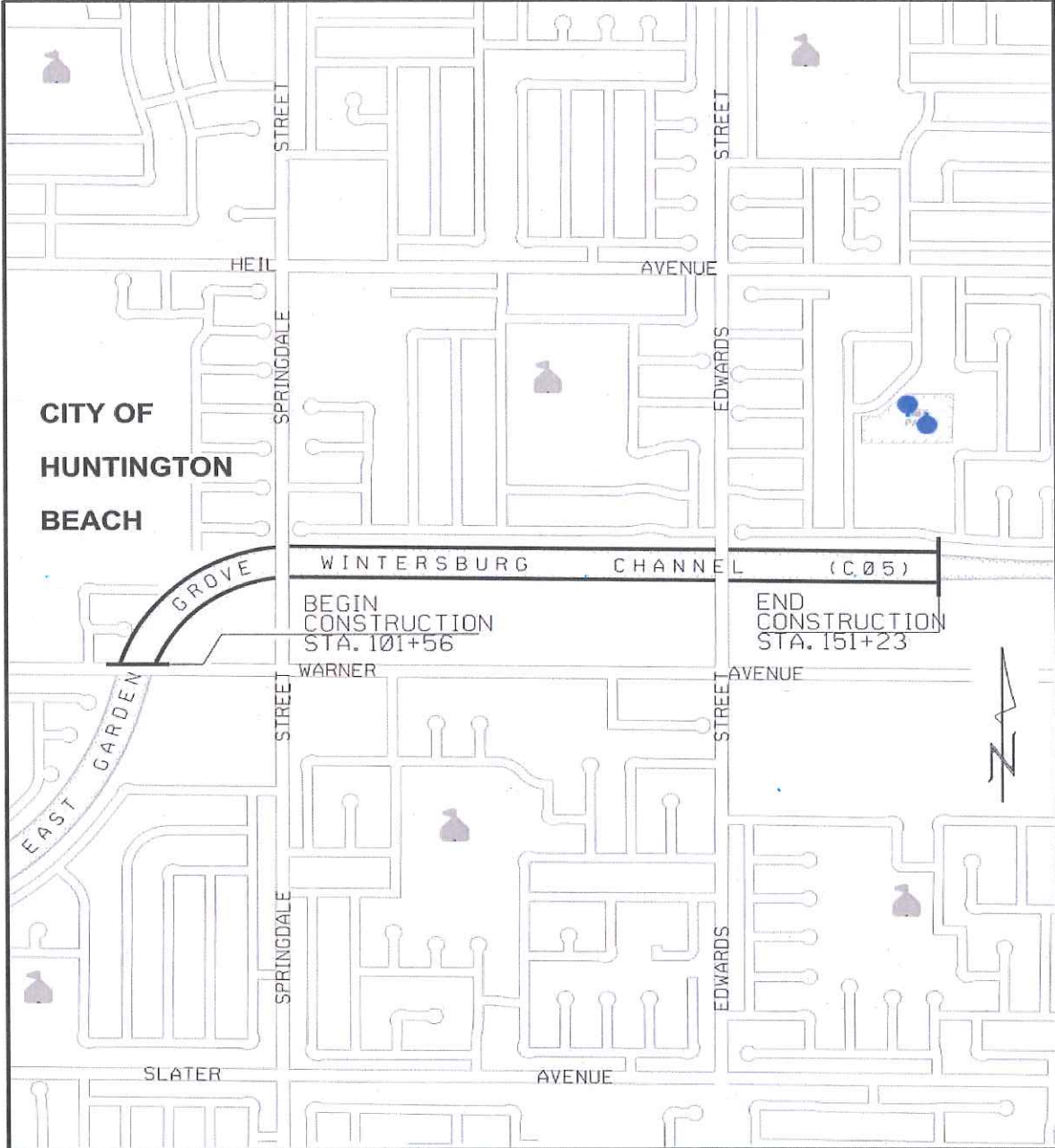



### **County Moves Forward on Flood Control Project**

At the June 2<sup>nd</sup> meeting of the Board of Supervisors, the Board voted unanimously to award a large contract (not to exceed \$85 million) to J.F. Shea Construction to proceed with construction of services for the East Garden Grove-Wintersburg Channel Improvements Project.

The Channel is presently deficient on providing 100 year flood protection for the Westminster Watershed, the largest remaining flood plain in Orange County. This project would bring immediate protection to 600 properties with an estimated value of \$365 million. The project is also part of a larger watershed that covers 44 square miles in Orange County including portions of Huntington Beach, Westminster, Santa Ana, Fountain Valley and Garden Grove.

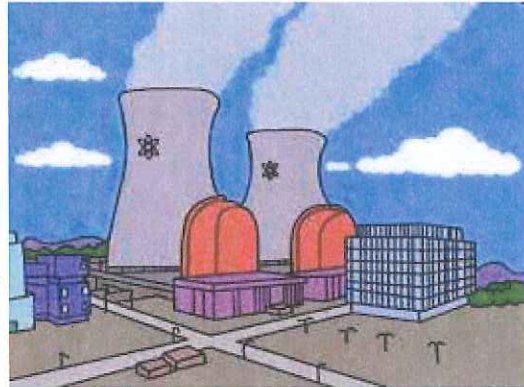
Another benefit of the project is the expectation that it will relieve hundreds of residents and businesses from the burden of paying flood insurance. The project is expected to take approximately two years to complete.



SHEET FILE: C05 EXHIBIT_PROJECT LOCATION.DGN		<b>PROJECT LOCATION MAP</b>		
<b>EAST GARDEN GROVE WINTERSBURG CHANNEL LEVEE PROTECTION (C05)</b>		PREPARED BY: HL	<b>County of Orange OC Public Works Department ENGINEERING DESIGN</b>	
		DATE: FEB. 25, 2019		

## **County Reaches San Onofre Funding Deal with SoCal Edison**

Since a 2012 radiation leak at the San Onofre Nuclear Generating Station [SONGS] numerous safety steps have been taken since the plant's 2013 closure.



One of the more modest steps is annual funding that SCE has provided to Orange and San Diego counties and the cities of Dana Point, San Clemente and San Juan Capistrano for energy education, preparedness and notifications in case of an emergency.

The original funding was secured in an agreement between the entities in October 2015 and expires June 30, 2020. The new agreement, approved by the County Board of Supervisors at their June 2<sup>nd</sup> meeting, ratifies an ongoing agreement through 2049.

In the first year, Orange County receives its budgeted allocation, over \$900,000, but there is a diminishing sliding scale and over the 29 year agreement, the County will receive a total of \$10.2 million.

The long term goal is to have nuclear materials transferred off site by the Department of Energy by 2049. In the meantime, the process of transferring all 73 canisters from more dangerous cooling wet storage to safer dryer storage continues. All but nine canisters have been transferred and the goal is to have the remaining transferred by this summer.

## **Public Policy Institute of California - Californians and Their Government Survey**

The PPIC recently released results from their most recent survey. The survey of 1,706 California adults was conducted between May 17-26, 2020. A survey of this size yields a margin of error of 3.5% at a 95% confidence level.

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

- 36% COVID-19/coronavirus
- 23% jobs, economy
- 6% health care, health insurance
- 6% housing costs, availability
- 5% homelessness
- 3% government in general, problems with elected officials, parties
- 3% immigration, illegal immigration
- 3% state budget, deficit
- 2% education, schools, teachers

- 2% environment, pollution, global warming
- 9% other (specify)
- 2% don't know

Overall, do you approve or disapprove of the way that Gavin Newsom is handling his job as governor of California?

- 65% approve
- 26% disapprove
- 9% don't know

Overall, do you approve or disapprove of the way that Governor Newsom is handling the coronavirus outbreak?

- 69% approve
- 25% disapprove
- 6% don't know

*[likely voters only]*

If the November 3<sup>rd</sup> presidential election were being held today, would you vote for Joe Biden, the Democrat, Donald Trump, the Republican?

- 57% Joe Biden, the Democrat
- 33% Donald Trump, the Republican
- 4% someone else (specify)
- 2% would not vote for president
- 3% don't know

Thinking about the restrictions on public activity because of the coronavirus outbreak in your area, do you think there should be more restrictions right now or fewer restrictions right now or about the same number of restrictions right now?

- 25% more restrictions right now
- 28% fewer restrictions right now
- 46% about the same number of restrictions right now
- 1% don't know

Do you think that tax increases should be included in the governor's budget plan?

- 32% yes
- 60% no
- 7% don't know

Thinking about the decisions by a number of state governments to impose significant restrictions on public activity because of the coronavirus outbreak, is your greater concern that state governments will lift the restrictions too quickly or not lift the restrictions quickly enough?

- 58% lift the restrictions too quickly
- 38% not lift the restrictions quickly enough
- 3% don't know

Would you consider yourself to be politically:

- 14% very liberal
- 21% somewhat liberal
- 31% middle-of-the-road
- 21% somewhat conservative
- 12% very conservative
- 2% don't know

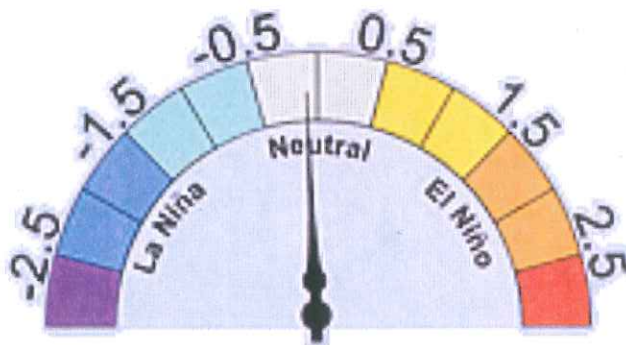


### LATEST PRESIDENTIAL POLLS

In the last few weeks, former Vice President Joe Biden has increased his national lead from about 5.5 points to 8 points. However, key battleground states, including Minnesota, Wisconsin, Florida, Michigan, Pennsylvania, North Carolina and Arizona remain very close, at least indicating the possibility of a repeat performance with the Democratic nominee winning the popular vote and the President securing an electoral victory.

DATE	POLL	RESULTS	SPREAD
JUNE 4	IBD/TIPP	BIDEN 45, TRUMP 42	BIDEN +3
JUNE 5	NPR/PBS/MARIST	BIDEN 50, TRUMP 43	BIDEN +7
JUNE 7	NBC NEWS/WALL ST JRNL	BIDEN 49, TRUMP 42	BIDEN +7
JUNE 8	CNN	BIDEN 55, TRUMP 41	BIDEN +14

### ENSO METER

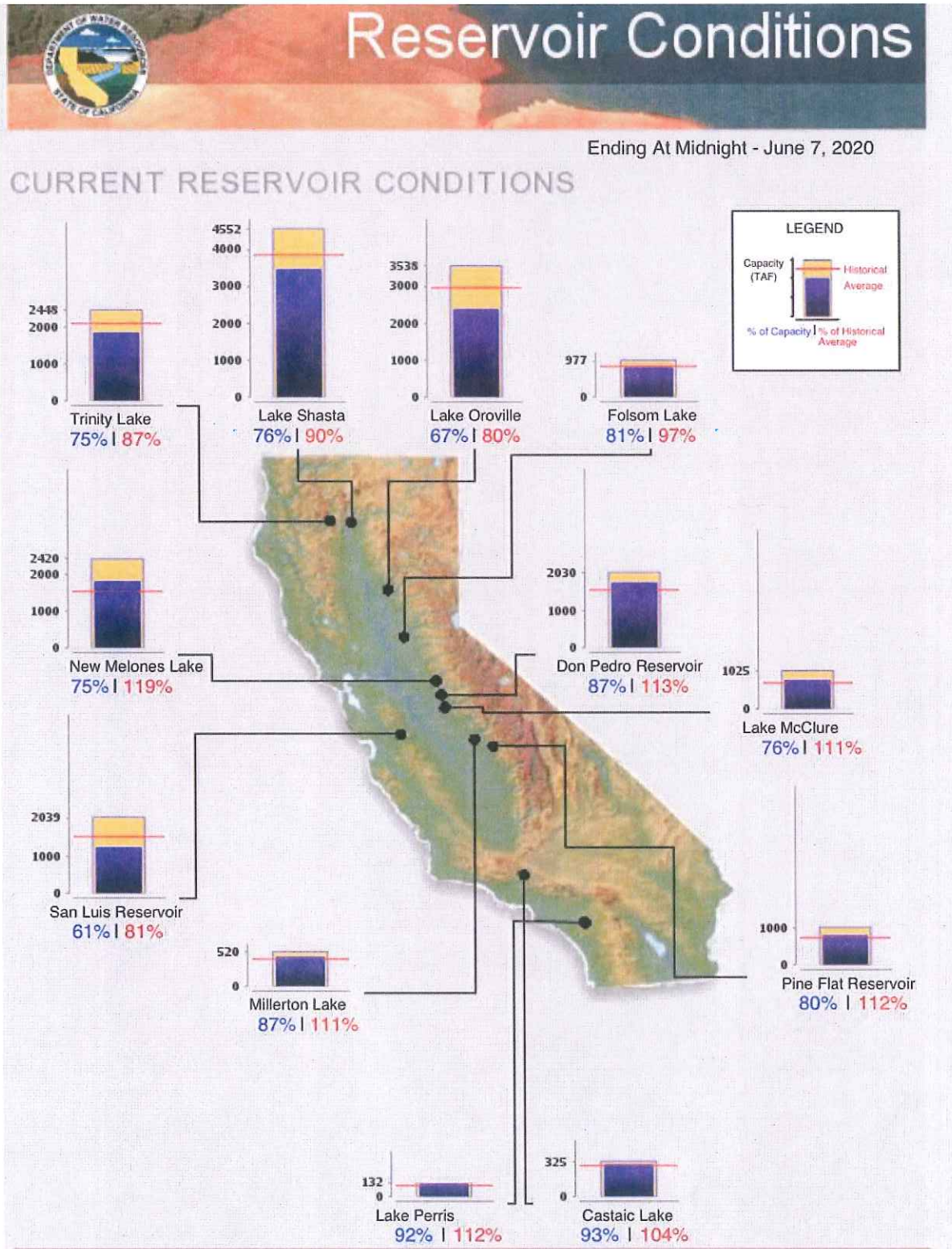


In the last month, there has been a very small shift towards La Niña conditions.



# California Reservoir Levels

Despite a fairly dry year, California reservoirs are still in decent shape. Unfortunately, the two largest, Lake Shasta and Oroville, are only 90% and 80% respectively of their historic average.



## PAL Committee

Prepared by BB&K, June 9, 2020

### A. Priority Support/Oppose

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
<a href="#">AB 2178</a>	<a href="#">Levine D</a>	Emergency services.	6/8/2020- Read third time. Passed. Ordered to the Senate.	Current law defines the terms “state of emergency” and “local emergency” to mean a duly proclaimed existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by, among other things, fire, storm, or riot. This bill would additionally include a deenergization, defined as a planned public safety power shutoff, as specified, within those conditions constituting a state of emergency and a local emergency.	Support	A. Priority Support/ Oppose	
<a href="#">AB 2296</a>	<a href="#">Quirk D</a>	State Water Resources Control Board: local primacy delegation: funding stabilization program.	6/4/2020- Read second time. Ordered to third reading.	Would authorize the State Water Resources Control Board to delegate partial responsibility for the California Safe Drinking Water Act’s administration and enforcement by means of a local primacy delegation agreement. The bill would authorize the state board, for counties that have not been delegated primary responsibility as of January 1, 2021, 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. The bill would authorize the state board to approve the application for delegation if the state board determines that the local health officer is able to sufficiently perform the administrative and enforcement activities and would specify that a local primacy agency has all of the authority over designated public water systems as is granted to the state board by the act.	Out for Analysis	A. Priority Support/ Oppose	
<a href="#">AB 2560</a>	<a href="#">Quirk D</a>	Water quality: notification and response levels: procedures.	6/8/2020- Read third time. Passed. Ordered to the Senate.	The California Safe Drinking Water Act requires the State Water Resources Control Board to adopt drinking water standards for contaminants in drinking water based upon specified criteria and requires any person who owns a public water system to ensure that the system, among other things, complies with those drinking water standards. The act requires a public water system to provide prescribed notices within 30 days after it is first informed of a confirmed detection	Out for Analysis	A. Priority Support/ Oppose	

				of a contaminant found in drinking water delivered by the public water system for human consumption that is in excess of a maximum contaminant level, a notification level, or a response level established by the state board. This bill would require the state board to comply with specified public notice and comment procedures when establishing or revising notification or response levels.			
<a href="#">AB 3256</a>	<a href="#">Garcia, Eduardo D</a>	Economic Recovery, Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020.	6/8/2020-Re-referred to Com. on RLS.	Would enact the Economic Recovery, 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 \$6,980,000,000 pursuant to the State General Obligation Bond Law to finance projects for an economic recovery, wildfire prevention, safe drinking water, drought preparation, and flood protection program.	Watch	A. Priority Support/ Oppose	
<a href="#">SB 45</a>	<a href="#">Allen D</a>	Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020.	1/30/2020-In Assembly. Read first time. Held at Desk.	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 \$5,510,000,000 pursuant to the State General Obligation Bond Law to finance projects for a wildfire prevention, safe drinking water, drought preparation, and flood protection program.	Out for Analysis	A. Priority Support/ Oppose	
<a href="#">SB 1099</a>	<a href="#">Dodd D</a>	Emergency backup generators: critical facilities: order for abatement: stipulations.	6/8/2020-From committee: Be ordered to second reading pursuant to Senate Rule 28.8.	Would require, either commencing January 1, 2022, or 12 months after the adoption of a specified rule on emergency backup generators, the air pollution control officer to develop stipulations, as specified, and conditions, as specified, for an order for abatement that allows the operator of a critical facility, as defined, to use a permitted emergency backup generator, as defined, in exceedance of that permit's runtime and testing and maintenance limits if specified conditions are met. The bill would require the stipulations to be in effect for not more than 5 years or the length of time agreed upon for the replacement of the emergency backup generator in the conditions.	Support	A. Priority Support/ Oppose	
<a href="#">SB 1386</a>	<a href="#">Moorlach R</a>	Local government: assessments, fees, and charges: water.	6/8/2020-Ordered to special consent calendar.	The Proposition 218 Omnibus Implementation Act prescribes specific procedures and parameters for local jurisdictions to comply with these requirements and, among other things, authorizes an agency providing water, wastewater, sewer, or refuse collection services to adopt a schedule of fees or charges authorizing automatic adjustments that pass through increases in wholesale charges for water, sewage	Support	A. Priority Support/ Oppose	

				treatment, or wastewater treatment or adjustments for inflation under certain circumstances. Current law defines, among other terms, the term “water” for these purposes to mean any system of public improvements intended to provide for the production, storage, supply, treatment, or distribution of water from any source. This bill would specify that “water” for purposes of the Proposition 218 Omnibus Implementation Act also includes the public fixtures, appliances, and appurtenances connected to an above-described system of public improvements intended to provide for the production, storage, supply, treatment, or distribution of water from any source.			
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## B. Watch

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
<a href="#">AB 291</a>	<a href="#">Chu D</a>	Local Emergency Preparedness and Hazard Mitigation Fund.	1/30/2020-Read third time. Passed. Ordered to the Senate. In Senate. Read first time. To Com. on RLS. for assignment.	Would establish a Local Emergency Preparedness and Hazard Mitigation Fund to, upon appropriation by the Legislature, support staffing, planning, and other emergency mitigation priorities to help local governments meet emergency management, preparedness, readiness, and resilience goals. The bill would require the Office of Emergency Services to establish the Local Emergency Preparedness and Hazard Mitigation Fund Committee under the Standardized Emergency Management System Advisory Board.	Out for Analysis	B. Watch	
<a href="#">SB 378</a>	<a href="#">Wiener D</a>	Electrical corporations: deenergization events: procedures: allocation of costs: reports.	1/27/2020-Read third time. Passed. (Ayes 25. Noes 2.) Ordered to the Assembly. In Assembly. Read first time. Held at Desk.	Would require each electrical corporation to annually submit a report to the Wildfire Safety Division and, after June 30, 2021, to the Office of Energy Infrastructure Safety, that includes the age, useful life, and condition of the electrical corporation’s equipment, inspection dates, and maintenance records for its equipment, investments to maintain and improve the operation of its transmission and distribution facilities, and an assessment of the current and future fire and safety risk posed by the equipment.	Watch	B. Watch	
<a href="#">SB 862</a>	<a href="#">Dodd D</a>	Planned power outage: public safety.	6/3/2020-S et for hearing June 9.	Current law defines the terms “state of emergency” and “local emergency” to mean a duly proclaimed existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by, among other things, fire, storm, or riot. This bill would additionally include a deenergization event, as defined, within a sudden and severe energy shortage constituting a state of emergency and a local emergency.	Out for Analysis	B. Watch	Significant amendments in May 20th version.
<a href="#">SB 952</a>	<a href="#">Nielsen R</a>	Sales and use	6/3/2020-S	Current state sales and use tax laws	Watch	B.	

		taxes: exemption: backup electrical generators: deenergization events.	et for hearing June 9.	impose a tax on retailers measured by the gross receipts from the sale of tangible personal property sold at retail in this state or on the storage, use, or other consumption in this state of tangible personal property purchased from a retailer for storage, use, or other consumption in this state. This bill, on and after January 1, 2021, and before January 1, 2026, would provide an exemption from those taxes with respect to the sale of, or the storage, use, or consumption of, a backup electrical resource, generator as defined, if that backup electrical generator is purchased for use exclusively in powering a critical facility, as defined, by a city, county, city and county, special district, or other political subdivision during deenergization events, as defined, and the purchaser provides to the seller a written statement with regard to these facts.		Watch	
<a href="#">SB 1011</a>	<a href="#">Dahle R</a>	Water quality: waste discharge requirements: management agency agreements.	3/25/2020- From committee with author's amendmen ts. Read second time and amended. Re-refere d to Com. on RLS.	Would provide that implementation of a management agency agreement entered into between the State Water Resources Control Board and the United States Forest Service or the state board and the United States Bureau of Land Management constitutes compliance by the United States Forest Service or the United States Bureau of Land Management, as applicable, with specified waste discharge requirements for nonpoint source discharges. The bill would prohibit a provision of such a management agency agreement from being construed in any way as limiting the authority of the state board or a regional board in carrying out its legal responsibilities for the management or regulation of water quality.	Out for Analysis	B. Watch	
<a href="#">SB 1044</a>	<a href="#">Allen D</a>	Firefighting equipment and foam: PFAS chemicals.	6/3/2020-S et for hearing June 9.	Would, commencing January 1, 2022, require any person, including a manufacturer, as defined, that sells firefighter personal protective equipment to any person or public entity to provide a written notice to the purchaser at the time of sale if the firefighter personal protective equipment contains perfluoroalkyl and polyfluoroalkyl substances (PFAS), and would provide that a violation of this requirement is punishable by a specified civil penalty. The bill would require the seller and the purchaser to retain the notice on file for at least 3 years and to furnish the notice and associated sales documentation to the State Fire Marshal within 60 days upon request, as provided.	Out for Analysis	B. Watch	
<b>Total Measures: 13</b>							

The Metropolitan Water District of Southern California  
State Legislative Matrix  
June 5, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p><b>AB 1071</b> <b>Limon (D)</b></p> <p>Sponsor: California Climate and Agricultural Network</p>	<p>Amended 1/6/2020</p> <p>Senate</p>	<p><b>Climate change: agriculture: Agricultural Climate Adaptation Tools Program: grants</b></p> <p>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><b>SUPPORT</b></p> <p>Based upon Board Action on 7/9/2019</p>	<p>The bill was amended to mirror language from AB 409 (Limón), which Metropolitan supported. The 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><b>AB 1580</b> <b>Levine (D)</b></p> <p>Sponsor: Author</p>	<p>Amended 7/1/2019</p> <p>Senate Appropriations Committee - Suspense File</p>	<p><b>Major infrastructure construction projects: oversight committees</b></p> <p>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><b>OPPOSE</b></p> <p>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>

**The Metropolitan Water District of Southern California  
State Legislative Matrix  
June 5, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;"><b>AB 2246</b> <b>Mayes (I)</b></p> <p>Sponsor: Metropolitan</p>	<p style="text-align: center;">Introduced 2/13/2020</p> <p style="text-align: center;">Assembly Natural Resources Committee</p> <p style="text-align: center;">Rescinded</p>	<p><b>Surface Mining and Reclamation Act of 1975: exemption: Metropolitan Water District of Southern California</b></p> <p>Amends the Surface Mining and Reclamation Act of 1975 (SMARA) to grant Metropolitan an exemption for emergency excavations or grading on its land to repair, maintain, or replace pipelines, infrastructure, or related transmission systems used to distribute water in Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura counties.</p>	<p><b>SPONSOR</b></p>	<p>Maintaining critical water infrastructure requires coordinated regulatory compliance. Metropolitan is proposing legislation to grant it special status under SMARA, so it can consistently administer and enforce SMARA compliance for the purpose of responding to emergencies, repairing, maintaining or replacing any pipelines, infrastructure, or related transmission systems used to distribute water in Southern California.</p>
<p style="text-align: center;"><b>AB 2560</b> <b>Quirk (D)</b></p> <p>Sponsor: California Municipal Utilities Association and Orange County Water District</p>	<p style="text-align: center;">Amended 5/12/2020</p> <p style="text-align: center;">Assembly Appropriations Committee</p> <p style="text-align: center;">Hearing: 6/2/2020</p>	<p><b>Water quality: notification and response levels: procedures</b></p> <p>Requires the State Water Resources Control Board to post on its website and distribute through email information and supporting documentation when it plans to establish or revise notification or response levels.</p>	<p style="text-align: center;"><b>SUPPORT</b></p> <p>Based upon Board-adopted 2020 State Legislative Priorities and Principles</p>	<p>The bill would provide greater transparency and access to technical background information and science used to set new or updated notification and response levels. This would provide Metropolitan and the Member Agencies with clear and consistent information and the ability to take steps if necessary to identify back up water supplies.</p>

**The Metropolitan Water District of Southern California  
State Legislative Matrix  
June 5, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;"><b>AB 3039</b> <b>Quirk (D)</b></p> <p>Sponsor: Author</p>	<p style="text-align: center;">Amended 5/4/2020</p> <p style="text-align: center;">Assembly Appropriations Committee</p> <p style="text-align: center;">Hearing: 6/2/2020</p>	<p style="text-align: center;"><b>Underground storage tanks: small business loan and grant program</b></p> <p>Extends the operation of the Underground Storage Tank Cleanup Fund loan and grant program from January 1, 2022 to January 1, 2026.</p>	<p style="text-align: center;"><b>SUPPORT</b></p> <p>Based upon Board- adopted 2020 State Legislative Priorities and Principles</p>	<p>The program assists small businesses upgrade, replace or remove underground storage tanks to meet applicable local, state or federal standards. In Southern California, the program paid to remediate underground storage tanks leaking MTBE and other gasoline additives contaminating groundwater supplies.</p>
<p style="text-align: center;"><b>SB 45</b> <b>Allen (D)</b></p> <p>Sponsor: Author</p>	<p style="text-align: center;">Amended 1/23/2020</p> <p style="text-align: center;">Assembly</p>	<p style="text-align: center;"><b>Wildfire, Drought, and Flood Protection Bond Act of 2020</b></p> <p>Places a wildfire and water bond totaling \$5.51 billion on the November 2020 ballot for voter approval.</p>	<p style="text-align: center;"><b>SUPPORT AND AMEND</b></p> <p>Based upon Board action on 6/11/19</p>	<p>Would provide 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. Metropolitan is seeking amendments to ensure adequate funding for safe drinking water needs, restoration projects that would benefit Voluntary Agreements for managing the Bay-Delta and the tributaries, and for recycled water projects.</p>



**The Metropolitan Water District of Southern California  
State Legislative Matrix  
June 5, 2020**

<b>Bill Number Author</b>	<b>Amended Date; Location</b>	<b>Title-Summary</b>	<b>MWD Position</b>	<b>Effects on Metropolitan</b>
<p><b>SB 69 Wiener (D)</b></p> <p>Sponsors: California Coastkeeper Alliance and Pacific Coast Federation of Fishermen's Associations</p>	<p>Amended 7/11/2019</p> <p>Assembly Appropriations Committee – Suspense File</p>	<p><b>Ocean Resiliency Act of 2019</b></p> <p>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><b>WATCH</b></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 different approaches to improve conditions for fish upstream of the Delta and in the ocean along the California coast. The bill as amended on June 25, 2019 addresses concerns of Metropolitan and the State Water Contractors.</p>
<p><b>SB 204 Dodd (D)</b></p> <p>Sponsor: Delta Counties Caucus</p>	<p>Amended 5/17/2019</p> <p>Assembly Water, Parks and Wildlife</p>	<p><b>State Water Project: contracts</b></p> <p>Revises the notification requirements for pending State Water Project (SWP) contract negotiations and contract amendments. Explicitly 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><b>WATCH</b></p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Policies</p>	<p>The bill as amended on May 17, 2019 adheres to the author's stated purpose and deletes 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>

**The Metropolitan Water District of Southern California  
State Legislative Matrix  
June 5, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p><b>SB 414</b> <b>Caballero (D)</b></p> <p>Sponsor: Eastern Municipal Water District and California Municipal Utilities Association (CMUA)</p>	<p>Amended 6/25/2019</p> <p>Assembly Appropriations Committee – Suspense File</p>	<p><b>Small System Water Authority Act of 2019</b></p> <p>Authorizes the State Water Resources Control Board (SWRCB) to merge small, non-compliant public water systems into a regional water authority that will directly benefit from increased economies of scale and access to public financing.</p>	<p><b>SUPPORT</b></p> <p>Based upon past support for AB 2050 (Caballero) from 2017/18</p>	<p>Sets deadline for small water systems to comply with safe drinking water standards or consolidate into a regional authority managed by a 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><b>SB 559</b> <b>Hurtado (D)</b></p> <p>Sponsor: Friant Water Authority</p>	<p>Amended 7/3/2019</p> <p>Assembly Appropriations Committee- Suspense File</p>	<p><b>Department of Water Resources: grant: Friant-Kern Canal</b></p> <p>Seeks to address problems of land subsidence on the federally-owned Friant Kern Canal.</p>	<p><b>SUPPORT IF AMENDED</b></p> <p>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 is seeking amendments to include the need to address subsidence problems on the California Aqueduct to ensure reliable water supply for Southern California.</p>
<p><b>SB 946</b> <b>Pan (D)</b></p> <p>Sponsor: Sacramento Area Flood Control Agency</p>	<p>Amended 6/3/2020</p> <p>Senate Natural Resources and Wildlife Committee</p> <p>Rescinded</p>	<p><b>Flood control: Yolo Bypass Cache Slough Partnership Multibenefit Program</b></p> <p>Codifies support for the Yolo Bypass Partnership and its efforts to advance coordinated master planning and accelerate restoration activities for the Yolo Bypass-Cache Slough region.</p>	<p><b>SUPPORT</b></p> <p>Based upon Board-adopted 2020 State Legislative Priorities and Principles</p>	<p>A master plan for the Yolo Bypass-Cache Slough would advance multi-benefit restoration projects and encourage state and federal agencies to coordinate regulatory compliance and funding for flood control and water systems.</p>

**The Metropolitan Water District of Southern California  
State Legislative Matrix  
June 5, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;"><b>SB 952</b> <b>Nielsen (R)</b></p> <p>Sponsor: Author</p>	<p style="text-align: center;">Amended 5/29/2020</p> <p style="text-align: center;">Senate Appropriations Committee</p>	<p><b>Sales and use taxes: exemption: backup electrical resources: deenergization events.</b></p> <p>Authorizes a sales and use tax exemption beginning January 1, 2021 for the purchase, lease, use or consumption of backup electrical resources during planned deenergization events.</p>	<p style="text-align: center;"><b>SUPPORT</b></p> <p>Based upon Board-adopted 2020 State Legislative Priorities and Principles</p>	<p>Reduces water agencies' and other essential public service providers' cost to purchase or upgrade emergency backup generators to continue service and operations during planned public safety power shutoffs.</p>
<p style="text-align: center;"><b>SB 996</b> <b>Portantino (D)</b></p> <p>Sponsors: Metropolitan and the California Municipal Utilities Association</p>	<p style="text-align: center;">Amended 4/1/2020</p> <p style="text-align: center;">Senate Environmental Quality Committee</p> <p style="text-align: center;">Rescinded</p>	<p><b>State Water Resources Control Board: Constituents of Emerging Concern Program</b></p> <p>Seeks to create a statewide program to identify and evaluate Constituents of Emerging Concern (CECs) in drinking water sources.</p>	<p style="text-align: center;"><b>CO-SPONSOR</b></p>	<p>Metropolitan and the California Municipal Utilities Association are co-sponsoring legislation in response to growing public concern about CECs in drinking water. The bill would establish a CEC Drinking Water Program at the State Water Resources Control Board. The program would set up a consistent and science-based approach for assessing the public health and drinking water consequences of CECs, with the intent to improve and expedite future regulatory determinations.</p>

**The Metropolitan Water District of Southern California  
State Legislative Matrix  
June 5, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p><b>SB 1044</b> <b>Allen (D)</b></p> <p>Sponsor: California Professional Firefighters and Natural Resources Defense Council</p>	<p>Amended 5/18/2020</p> <p>Senate Appropriations Committee</p>	<p><b>Firefighting equipment and foam: PFAS chemicals</b></p> <p>Requires any seller of firefighting personal protective equipment to provide written notice to the purchaser if the equipment contains PFAS. Also, prohibits the discharge of state class B firefighting foam that contains PFAS.</p>	<p><b>SUPPORT</b></p> <p>Based upon Board approved 2020 State Legislative Priorities and Principles</p>	<p>Metropolitan and member agencies would benefit from this bill because banning PFAS-laden firefighting foam would protect drinking water sources. Firefighting foams, especially those used for training purposes (e.g., at airports and military bases), have been identified as sources of PFAS contamination in groundwater supplies.</p>
<p><b>SB 1099</b> <b>Dodd (D)</b></p> <p>Co-Sponsors: California Municipal Utilities Association and Las Virgenes Municipal Water District</p>	<p>Amended 6/2/2020</p> <p>Senate Appropriations Committee</p>	<p><b>Emergency backup generators: critical facilities: exemption.</b></p> <p>Directs air districts to adopt or revise an existing rule to suspend operational run time limits on emergency backup generators during public safety power shutoffs, and when needed for routine maintenance and testing.</p>	<p><b>SUPPORT and SEEK AMENDMENTS</b></p> <p>Based upon Board adopted 2020 State Legislative Priorities and Principles</p>	<p>Addresses water agencies need to maintain operations during planned power shutoffs designed to mitigate wildfire risks. Metropolitan seeking amendments that explore alternative approaches to revising existing rules that would allow water agencies to operate emergency generators without being out of compliance with run times set by local air districts.</p>

The Metropolitan Water District of Southern California  
State Legislative Matrix  
June 5, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;"><b>SB 1323</b> <b>Skinner (D)</b></p> <p>Sponsor: Author</p>	<p>Introduced 2/21/2020</p> <p>Senate Environmental Quality Committee</p> <p>Rescinded</p>	<p><b>Carbon sequestration: state goals: natural and working lands: registry of projects.</b></p> <p>Requires the Governor's Office of Planning and Research (OPR) to maintain a California Carbon Sequestration and Climate Resiliency Project Registry beginning January 1, 2021.</p>	<p style="text-align: center;"><b>SUPPORT</b></p> <p>Based upon Board adopted 2020 State Legislative Priorities and Principles.</p>	<p>The registry would identify carbon sequestration projects, such as forestry management, wetlands restoration, healthy soils, and meadows restoration that meet state criteria for funding. Metropolitan and its member agencies with agricultural land holdings and planned carbon sequestration projects could benefit by applying to add their projects to the registry making them eligible for state funding programs.</p>
<p style="text-align: center;"><b>Governor's Proposed Budget Trailer Bill Language</b></p>	<p>Introduced 1/31/2020</p> <p>Rescinded</p>	<p><b>Governor's Proposed Safe Drinking Water, Wildlife Prevention and Natural Resources Protection Bond Act of 2020</b></p> <p>Would place a \$4.75 billion climate resilience bond for voter approval on the November 2020 ballot.</p>	<p style="text-align: center;"><b>SUPPORT and SEEK AMENDMENTS</b></p> <p>Based upon Board Action on 3/9/2020</p>	<p>Authorizes general obligation bond funding to improve statewide resiliency against climate change. The bond includes \$2.95 billion for safe and clean drinking water, and resilience to flood and drought. Metropolitan is seeking amendments to set aside funding for recycled water projects; state-owned conveyance infrastructure to reverse the impacts of subsidence; habitat restoration projects for native and protected fish species; monitoring and treatment for drinking water contaminants; and emergency backup generators that minimize air quality impacts.</p>

# **ETWD Public Education and Outreach Report**

## **June 25, 2020**

### **Bill Message**

The customer June/July bill message: The quality and reliability of your water is our top priority 24 hours a day, 7 days a week. ETWD's 2020 Annual Water Quality Reports were mailed to customers in June. The reports can also be accessed at <https://etwd.com/governance/water-quality-report/>. If you have any questions regarding water quality, please call our Customer Service team at (949) 837-0660.

### **COVID-19 Flushing Guidance for Buildings**

ETWD provided EPA and CDC guidance to commercial customers regarding reopening buildings after a prolonged shutdown or reduced operation. This guidance ensures the safety of occupants and building water systems. A copy of the flyer follows this report.

### **Laguna Woods Village Television**

Laguna Woods Village Television filmed Dennis Cafferty for public service announcement regarding COVID-19 and the safety of drinking water. The video can be accessed at <https://etwd.com/covid-19-updates/>.

Laguna Woods Village Television will conduct a Zoom interview Director Gaskins on June 25<sup>th</sup> and will be aired in July. Tentative topics include ETWD Covid-19 Response and the ETWD Annual Water Quality Report.

### **Newsletter**

Staff is developing an ETWD customer newsletter. Tentative topics to include: COVID-19 Update, water quality reports, rebates, info on board meetings, bill pay, Cal Scape nursery program and disinfecting/disposable wipes.

### **Water Quality Reports**

The 2020 ETWD Annual Water Quality Report was mailed out to the customers on June 8, 2020. A copy of the report follows this report.



# WATER QUALITY

## AFTER AN EXTENDED CLOSURE



El Toro Water District continuously monitors the drinking water quality throughout its system to meet or surpass all Federal and State regulations. While the District monitors more than 170 miles of pipeline, it cannot monitor the water after the water meter and throughout commercial properties. Typically, this isn't an issue as water is utilized quickly after it passes the meter. However, since many buildings have been closed, the drop in building water use increases the risk for biological growth within the building plumbing and associated equipment like cooling towers, pools, decorative fountains, hot tubs, and other equipment. During this period, it's likely that water flow has slowed or stopped throughout portions of the building. This stagnation could lead to a loss of a chlorine residual within the water, which is a significant factor that allows bacteria such as Legionella to grow. If Legionella grows during low-use periods, building residents have a higher risk of contracting Legionnaires' disease as they return to work. The District recommends following the Center for Disease Control's Guidance for Building Water Systems listed below.

## 4 Steps BEFORE REOPENING

- 1 Check your water heater**

Does your manufacturer suggest draining the tank after prolonged period of disuse?  
The water heater needs to be set to at least 120° F.
- 2 Flush your water system (faucets, fountains, showers, etc.)**

Make sure to turn hot water on until it reaches its maximum temperature.  
While all buildings are different, flushing each fixture for 5 minutes will typically replace all the water inside the building piping with fresh water.  
The typical kitchen faucet runs at 1 gallon per minute which means that it would need to run for 12 hours for the bill to go up.  
The flushed water will end up at the District's water recycling plant where it can be treated and returned into the area as recycled water for irrigation purposes.
- 3 If you have a decorative fountain, make sure to empty and clean it per manufacturer guidelines.**
- 4 Fitness clubs should disinfect any hot tubs or pools per the manufacturer's guidelines.**

For additional information, please visit:  
[etwd.com/covid-19-updates/water-quality-after-extended-closure/](http://etwd.com/covid-19-updates/water-quality-after-extended-closure/)

If you have any questions, please contact us at [district@etwd.com](mailto:district@etwd.com) or (949) 837-0660.

# 2020 Water Quality Report



El Toro Water District



# Your 2020 Water Quality Report

Since 1990, California public water utilities have been providing an annual Water Quality Report to their customers. **This year's report covers calendar year 2019 drinking water quality testing and reporting.**

El Toro Water District (ETWD) vigilantly safeguards its water supply and, as in years past, the water delivered to your home meets the quality standards required by federal and state regulatory agencies. The U.S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board, Division of Drinking Water (DDW) are the agencies responsible for establishing and enforcing drinking water quality standards.

In some cases, ETWD goes beyond what is required by testing for

unregulated chemicals that may have known health risks but do not have drinking water standards. For example, the Irvine Ranch Water District (IRWD) and the Metropolitan Water District of Southern California (MWDSC), both of which supply treated surface water to ETWD, test for unregulated chemicals in our water supply. Unregulated chemical monitoring helps USEPA and DDW determine where certain chemicals occur and whether new standards need to be established for those chemicals to protect public health.

Through drinking water quality testing programs



carried out by IRWD and MWDSC for treated surface water and the ETWD for the distribution system, your drinking water is constantly monitored from source to tap for constituents that are both regulated and unregulated. The State allows us to monitor for some contaminants less than once per year because the

concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.



# The Quality of Your Water Is Our Primary Concern

## Sources of Supply

Your drinking water consists of imported treated surface water from MWDSC, as well as treated surface water from IRWD's Baker Water Treatment Plant (BWTP), which utilizes surface water from both MWDSC and from the Santiago Reservoir (Irvine Lake). MWDSC's imported water sources are the Colorado River and the State Water Project, which draws water from the Sacramento-San Joaquin River Delta.

## Basic Information About Drinking Water Contaminants

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of land or through the layers of the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animal and human activity.



Contaminants that may be present in source water include:

- ◆ **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- ◆ **Inorganic contaminants**, such as salts and metals, which can be naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining and farming.
- ◆ **Radioactive contaminants**, which can be naturally occurring or be the result of oil and gas production or mining activities.
- ◆ **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- ◆ **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gasoline stations, urban stormwater runoff, agricultural application and septic systems.

In order to ensure that tap water is safe to drink, USEPA and the DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems.

The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (800) 426-4791 or online at [www.epa.gov/safewater](http://www.epa.gov/safewater).

## Cryptosporidium

*Cryptosporidium* is a microscopic organism that, when ingested, can cause diarrhea, fever, and other gastrointestinal symptoms. The organism comes from animal and/or human wastes and may be in surface water. IRWD and MWDSC tested their source water and treated surface water for *Cryptosporidium* in 2019 but did not detect it. If it ever is detected, *Cryptosporidium* is eliminated by an effective treatment combination including sedimentation, filtration and disinfection.

The USEPA and the federal Centers for Disease Control and Prevention guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from USEPA's Safe Drinking Water Hotline (800) 426-4791 or online at [www.epa.gov/safewater](http://www.epa.gov/safewater).

## Immuno-Compromised People

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people, such as those with cancer who are undergoing chemotherapy, persons who have had organ transplants, people with HIV/AIDS or other immune system disorders, some elderly persons and infants can be particularly at risk to infection. These people should seek advice about drinking water from their health care providers.



## Drinking Water Fluoridation

Fluoride has been added to U.S. drinking water supplies since 1945. Of the 50 largest cities in the U.S., 43 fluoridate their drinking water. In November 2007, MWDSC joined a majority of the nation's public water suppliers in adding fluoride to drinking water in order to prevent tooth decay.



MWDSC was in compliance with all provisions of the State's fluoridation system requirements. Fluoride levels in drinking water are limited under California state regulations at a maximum dosage of 2 parts per million.

Additional information about the fluoridation of drinking water is available on these websites:

**State Water Resources Control Board,  
Division of Drinking Water**

[www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/Fluoridation.html](http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Fluoridation.html)

**United States Centers for Disease Control and Prevention**

1-800-232-4636 ◆ [www.cdc.gov/fluoridation/](http://www.cdc.gov/fluoridation/)

For more information about MWDSC's fluoridation program, please contact Edgar G. Dymally at (213) 217-5709 or at [edymally@mwdh2o.com](mailto:edymally@mwdh2o.com).

## Questions about your water? Contact us for answers.

For information about this report, or your water quality in general, please contact the ETWD Customer Service office at 24251 Los Alisos Boulevard, Lake Forest, California 92630 or at (949) 837-0660 and press option 6.

The ETWD Board of Directors meets regularly at 7:30 a.m. on the fourth Thursday of each month. Location: 24251 Los Alisos Boulevard, Lake Forest, California 92630. The public meetings are held at the Customer Service Office location referenced above. The public is welcome and encouraged to participate.

For more information about the health effects of the listed contaminants in the following tables, call the USEPA hotline at (800) 426-4791.

# Water Quality Issues that Could Affect Your Health

## Disinfectants and Disinfection Byproducts

Disinfection of drinking water was one of the major public health advances in the 20<sup>th</sup> century. Disinfection was a major factor in reducing water-borne disease epidemics caused by pathogenic bacteria and viruses, and it remains an essential part of drinking water treatment today.

Chlorine disinfection has almost completely eliminated from our lives the risks of microbial waterborne diseases. Chlorine is added to your drinking water at the source of supply (groundwater well or surface water treatment plant). Enough chlorine is added so that it does not completely dissipate through the distribution system pipes. This “residual” chlorine helps to prevent the growth of bacteria in the pipes that carry drinking water from the source into your home.

However, chlorine can react with naturally-occurring materials in the water to form unintended chemical byproducts, called disinfection byproducts (DBPs), which may pose health risks. A major challenge is how to balance the risks from microbial pathogens and DBPs. It is important to provide protection from these microbial pathogens while simultaneously ensuring decreasing health risks from disinfection byproducts. The Safe Drink-

### What are Water Quality Standards?

Drinking water standards established by USEPA and DDW set limits for substances that may affect consumer health or aesthetic qualities of drinking water. The chart in this report shows the following types of water quality standards:

- **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible.
- **Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- **Secondary MCLs:** Set to protect the odor, taste, and appearance of drinking water.
- **Primary Drinking Water Standard:** MCLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.
- **Regulatory Action Level (AL):** The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

### How are Contaminants Measured?

Water is sampled and tested throughout the year.

Contaminants are measured in:

- parts per million (ppm) or milligrams per liter (mg/L)
- parts per billion (ppb) or micrograms per liter (µg/L)
- parts per trillion (ppt) or nanograms per liter (ng/L)

### What is a Water Quality Goal?

In addition to mandatory water quality standards, USEPA and DDW have set voluntary water quality goals for some contaminants. Water quality goals are often set at such low levels that they are not achievable in practice and are not directly measurable. Nevertheless, these goals provide useful guideposts and direction for water management practices. The chart in this report includes three types of water quality goals:

- **Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by USEPA.
- **Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- **Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

ing Water Act requires the USEPA to develop rules to achieve these goals.

Trihalomethanes (THMs) and Haloacetic Acids (HAAs) are the most common and most studied DBPs found in drinking water treated with chlorine. In 1979, the USEPA set the maximum amount of total THMs allowed in drinking water at 100 parts per billion as an annual running average. Effective in January 2002, the Stage 1 Disinfectants / Disinfection Byproducts Rule lowered the total THM maximum annual average level to 80 parts per billion and added HAAs to the list of regulated chemicals in drinking water. Your drinking water complies with the Stage 1 Disinfectants / Disinfection Byproducts Rule.

Stage 2 of the regulation was finalized by USEPA in 2006, which further controls allowable levels of DBPs in drinking water without compromising disinfection itself. A required distribution system evaluation was completed in 2008 and a Stage 2 monitoring plan has been approved by DDW. Full Stage 2 compliance began in 2012.



## Chloramines

ETWD imports its water from MWDSC and from the BWTP. These imported water supplies are treated with chloramines, a combination of chlorine and ammonia, as the drinking water disinfectant. In addition ETWD treats its stored water with chloramines.

Chloramines are effective killers of bacteria and other microorganisms that

may cause disease. Chloramines form fewer disinfection byproducts and have no odor when used properly. People who use kidney dialysis machines may want to take special precautions and consult their physician for the appropriate type of water treatment. Customers who maintain fish ponds, tanks or aquariums should also make necessary adjustments in water quality treatment, as these disinfectants are toxic to fish.

For further information, or if you have any questions about chloramines, please call the Customer Service Office at (949) 837-0660.

## 2019 Metropolitan Water District of Southern California Treated Surface Water

Chemical	MCL	PHG	Average Amount	Range of Detections	MCL Violation?	Typical Source of Chemical
<b>Inorganic Chemicals – Tested in 2019</b>						
Aluminum (ppm)	1	0.6	0.124	ND – 0.065	No	Treatment Process Residue, Natural Deposits
Bromate (ppb)	10	0.1	2	ND – 5.9	No	Byproduct of Drinking Water Ozonation
Fluoride (ppm)	2	1	0.7	0.1 – 0.9	No	Water Additive for Dental Health
Nitrate as N (ppm)	10	10	0.5	0.5	No	Fertilizers, Septic Tanks, Natural Deposits
<b>Secondary Standards* – Tested in 2019</b>						
Aluminum (ppb)	200*	600	124	ND – 65	No	Treatment Process Residue, Natural Deposits
Chloride (ppm)	500*	n/a	56	53 – 58	No	Runoff or Leaching from Natural Deposits
Color (color units)	15*	n/a	ND	ND – 1	No	Naturally-occurring Organic Materials
Odor (threshold odor number)	3*	n/a	ND	ND – 1	No	Naturally-occurring Organic Materials
Specific Conductance (µmho/cm)	1,600*	n/a	514	508 – 521	No	Substances that Form Ions in Water
Sulfate (ppm)	500*	n/a	91	89 – 93	No	Runoff or Leaching from Natural Deposits
Total Dissolved Solids (ppm)	1,000*	n/a	304	296 – 312	No	Runoff or Leaching from Natural Deposits
<b>Unregulated Chemicals – Tested in 2019</b>						
Alkalinity, total as CaCO <sub>3</sub> (ppm)	Not Regulated	n/a	72	69 – 74	n/a	Runoff or Leaching from Natural Deposits
Boron (ppm)	NL=1	n/a	0.12	0.12	n/a	Runoff or Leaching from Natural Deposits
Calcium (ppm)	Not Regulated	n/a	30	29 – 30	n/a	Runoff or Leaching from Natural Deposits
Hardness, total as CaCO <sub>3</sub> (ppm)	Not Regulated	n/a	127	124 – 130	n/a	Runoff or Leaching from Natural Deposits
Hardness, total (grains/gallon)	Not Regulated	n/a	7.4	7.3 – 7.6	n/a	Runoff or Leaching from Natural Deposits
Magnesium (ppm)	Not Regulated	n/a	14	13 – 14	n/a	Runoff or Leaching from Natural Deposits
Perfluorohexanoic Acid (ppt)	Not Regulated	n/a	2.3	2.2 – 2.3	n/a	Industrial Discharge
pH (pH units)	Not Regulated	n/a	8.4	8.4 – 8.5	n/a	Hydrogen Ion Concentration
Potassium (ppm)	Not Regulated	n/a	2.8	2.6 – 2.9	n/a	Runoff or Leaching from Natural Deposits
Sodium (ppm)	Not Regulated	n/a	56	54 – 57	n/a	Runoff or Leaching from Natural Deposits
Total Organic Carbon (ppm)	TT	n/a	2.4	1.8 – 2.6	n/a	Various Natural and Man-made Sources

ppb = parts per billion; ppm = parts per million; ppt = parts per trillion; µmho/cm = micromhos per centimeter; ND = not detected; NL = Notification Level; n/a = not applicable; TT = treatment technique; MCL = Maximum Contaminant Level; PHG = California Public Health Goal; \*Chemical is regulated by a secondary standard.

Turbidity – combined filter effluent Metropolitan Water District Diemer Filtration Plant	Treatment Technique	Turbidity Measurements	TT Violation?	Typical Source of Chemical
1) Highest single turbidity measurement	0.3 NTU	0.05	No	Soil Runoff
2) Percentage of samples less than 0.3 NTU	95%	100%	No	Soil Runoff

Turbidity is a measure of the cloudiness of the water, an indication of particulate matter, some of which might include harmful microorganisms. NTU = nephelometric turbidity units  
Low turbidity in Metropolitan's treated water is a good indicator of effective filtration. Filtration is called a "treatment technique" (TT).  
A treatment technique is a required process intended to reduce the level of chemicals in drinking water that are difficult and sometimes impossible to measure directly.

## Unregulated Chemicals Requiring Monitoring in the Distribution System

Chemical	Notification Level	PHG	Average Amount	Range of Detections	Most Recent Sampling Date
1,4-Dioxane (ppb)	1	n/a	0.14	ND – 0.57	2015
Chlorate (ppb)	800	n/a	66	58 – 86	2015
Chromium, Hexavalent (ppb)	n/a	0.02	0.032	ND – 0.05	2015
Manganese (ppb)**	SMCL = 50	n/a	1.4	1.4	2019
Molybdenum, Total (ppb)	n/a	n/a	4.8	4.6 – 4.9	2015
Strontium, Total (ppb)	n/a	n/a	1,200	1,100 – 1,200	2015
Vanadium, Total (ppb)	50	n/a	2.5	2.4 – 2.7	2015

SMCL = Secondary MCL \*\*Manganese is regulated with a secondary standard of 50 ppb but was not detected, based on the detection limit for purposes of reporting of 20 ppb. Manganese was included as part of the unregulated chemicals requiring monitoring.

## 2019 Irvine Ranch Water District Baker Water Treatment Plant

Chemical	MCL	PHG (MCLG)	Average Amount	Range of Detections	MCL Violation?	Typical Source of Chemical
<b>Radiologicals – Tested in 2019</b>						
Alpha Radiation (pCi/L)	15	(0)	<3	ND – 3.26	No	Erosion of Natural Deposits
Uranium (pCi/L)	20	0.43	1	ND – 2.1	No	Erosion of Natural Deposits
<b>Inorganic Chemicals – Tested in 2017 – 2019</b>						
Barium (ppm)	1	2	<0.1	ND – 0.114	No	Refinery Discharge, Erosion of Natural Deposits
Chlorine Dioxide (ppb)	MRDL = 800	MRDLG = 800	<20	ND – 280	No	Drinking Water Disinfectant Added for Treatment
Chlorite (ppm)	1.0	0.05	0.13	ND – 0.5	No	Byproduct of Drinking Water Chlorination
Fluoride (ppm)	2.0	1	0.28	0.25 – 0.31	No	Erosion of Natural Deposits; Water Additive for Dental Health
<b>Secondary Standards* – Tested in 2019</b>						
Chloride (ppm)	500*	n/a	72.7	44.4 – 101	No	Runoff or Leaching from Natural Deposits
Color (color units)	15*	n/a	5	ND – 10	No	Naturally-occurring Organic Materials
Foaming Agents (MBAS) (ppb)	500*	n/a	<0.05	ND – 0.055	No	Municipal and Industrial Waste Discharges
Manganese (ppb)	50*	n/a	<20	ND – 26.2	No	Leaching from Natural Deposits
Odor (threshold odor number)	3*	n/a	2	ND – 4	No	Naturally-occurring Organic Materials
Specific Conductance (µmho/cm)	1,600*	n/a	878	789 – 968	No	Substances that Form Ions in Water
Sulfate (ppm)	500*	n/a	215	205 – 225	No	Runoff or Leaching from Natural Deposits
Total Dissolved Solids (ppm)	1,000*	n/a	568	530 – 606	No	Runoff or Leaching from Natural Deposits
Turbidity (NTU)	5*	n/a	0.1	0.1	No	Soil Runoff
<b>Unregulated Chemicals – Tested in 2019</b>						
Alkalinity, total as CaCO <sub>3</sub> (ppm)	Not Regulated	n/a	138	122 – 155	n/a	Runoff or Leaching from Natural Deposits
Boron (ppm)	NL=1	n/a	0.111	0.105 – 0.117	n/a	Runoff or Leaching from Natural Deposits
Calcium (ppm)	Not Regulated	n/a	74.2	68.4 – 80.1	n/a	Runoff or Leaching from Natural Deposits
Hardness, total as CaCO <sub>3</sub> (ppm)	Not Regulated	n/a	299	275 – 323	n/a	Runoff or Leaching from Natural Deposits
Hardness, total (grains/gallon)	Not Regulated	n/a	18	16 – 19	n/a	Runoff or Leaching from Natural Deposits
Magnesium (ppm)	Not Regulated	n/a	27.6	25.4 – 29.9	n/a	Runoff or Leaching from Natural Deposits
pH (pH units)	Not Regulated	n/a	8.1	7.7 – 8.5	n/a	Hydrogen Ion Concentration
Potassium (ppm)	Not Regulated	n/a	3.7	3.1 – 4.4	n/a	Runoff or Leaching from Natural Deposits
Sodium (ppm)	Not Regulated	n/a	68.2	44.5 – 91.9	n/a	Runoff or Leaching from Natural Deposits
Total Organic Carbon (ppm)	TT	n/a	3.7	2.8 – 4.6	n/a	Various Natural and Man-made Sources

ppb = parts per billion; ppm = parts per million; pCi/L = picoCuries per liter; µmho/cm = micromhos per centimeter; ND = not detected; NTU = nephelometric turbidity units; MCL = Maximum Contaminant Level; (MCLG) = federal MCL Goal; MRDL = Maximum Residual Disinfectant Level; MRDLG = Maximum Residual Disinfectant Level Goal; PHG = California Public Health Goal; NL = Notification Level; n/a = not applicable; TT = treatment technique

\*Chemical is regulated by a secondary standard.

Turbidity – combined filter effluent	Treatment Technique	Turbidity Measurements	TT Violation?	Typical Source of Chemical
Irvine Ranch Water District Baker Water Treatment Plant				
1) Highest single turbidity measurement	0.1 NTU	0.034	No	Soil Runoff
2) Percentage of samples less than 0.3 NTU	95%	100%	No	Soil Runoff

Turbidity is a measure of the cloudiness of the water, an indication of particulate matter, some of which might include harmful microorganisms. NTU = nephelometric turbidity units  
Low turbidity in the treated water is a good indicator of effective filtration. Filtration is called a "treatment technique" (TT).  
A treatment technique is a required process intended to reduce the level of chemicals in drinking water that are difficult and sometimes impossible to measure directly.

## 2019 El Toro Water District Distribution System Water Quality

Disinfection Byproducts	MCL (MRDL/MRDLG)	Average Amount	Range of Detections	MCL Violation?	Typical Source of Contaminant
Total Trihalomethanes (ppb)	80	32	21 – 39	No	Byproducts of Chlorine Disinfection
Haloacetic Acids (ppb)	60	16	3.6 – 23	No	Byproducts of Chlorine Disinfection
Chlorine Residual (ppm)	(4 / 4)	1.3	0.31 – 2.62	No	Disinfectant Added for Treatment

### Aesthetic Quality

Turbidity (NTU)	5*	< 0.1	ND – 0.12	No	Erosion of Natural Deposits
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Eight locations in the distribution system are tested quarterly for total trihalomethanes and haloacetic acids; and nineteen locations monthly for color, odor and turbidity. Color and odor were not detected in 2019.  
MRDL = Maximum Residual Disinfectant Level; MRDLG = Maximum Residual Disinfectant Level Goal

\*Contaminant is regulated by a secondary standard to maintain aesthetic qualities (taste, odor, color).

## Lead and Copper Action Levels at Residential Taps

	Action Level (AL)	Public Health Goal	90 <sup>th</sup> Percentile Value	Sites Exceeding AL / Number of Sites	AL Violation?	Typical Source of Contaminant
Lead (ppb)	15	0.2	ND	1/37	No	Corrosion of Household Plumbing
Copper (ppm)	1.3	0.3	0.051	0/37	No	Corrosion of Household Plumbing

Every three years, the District collects samples that are tested for lead and copper at-the-customers-tap. The most recent set of samples was collected in 2017. Lead was detected in only 1 sample. The 90th percentile value for lead did not exceed the Action Level. Copper was detected in 5 samples; none exceeded the Action Level. A regulatory Action Level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

In 2019, one school submitted a request to be sampled for lead.

## Unregulated Chemicals Requiring Monitoring in the Distribution System

Chemical	Notification Level	PHG	Average Amount	Range of Detections	Most Recent Sampling Dates
Chlorate (ppb)	800	n/a	270	140 – 470	2015
Chromium, Hexavalent (ppb)	n/a	0.02	0.03	ND – 0.048	2015
Haloacetic Acids (HAA5) (ppb)	n/a	n/a	6.43	3.96 – 8.8	2019
Haloacetic Acids (HAA6Br) (ppb)	n/a	n/a	6.53	4.29 – 8.5	2019
Haloacetic Acids (HAA9) (ppb)	n/a	n/a	11.6	7.73 – 15.5	2019
Molybdenum, Total (ppb)	n/a	n/a	4.8	4.4 – 5.1	2015
Strontium, Total (ppb)	n/a	n/a	1,200	1,100 – 1,200	2015
Vanadium, Total (ppb)	50	n/a	2.5	2.3 – 2.6	2015

## About Lead in Tap Water



If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. ETWD is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested.

Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or online at: [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

## COVID-19

The Coronavirus (COVID-19) does not present a threat to our water supply. We continually monitor and test the quality of your water and are committed to ensuring its safety. Providing a safe, clean, reliable supply of water for you and your family is our highest priority. Additional information about COVID-19 and your water supply is available from the California State Water Boards at: [www.waterboards.ca.gov/publications\\_forms/publications/factsheets/docs/covid-19/covid19\\_drinking\\_water\\_factsheet\\_english.pdf](http://www.waterboards.ca.gov/publications_forms/publications/factsheets/docs/covid-19/covid19_drinking_water_factsheet_english.pdf)

## Source Water Assessments

Every five years, water purveyors are required by DDW to examine possible sources of drinking water contamination in its water sources.

The watershed sanitary surveys for MWDC's Colorado River supply was most recently updated in 2015 and the watershed sanitary survey for the State Water Project supply was updated in 2016. The IRWD watershed sanitary survey for Santiago Reservoir (Irvine Lake) was updated in 2019.

Water from the Colorado River is considered to be most vulnerable to contamination from recreation, urban/stormwater runoff, increasing urbanization in the watershed, and wastewater. Water supplies from Northern California's State Water Project are most vulnerable to contamination from urban/stormwater runoff, wildlife, agriculture, recreation, and wastewater. Water supplies from the Santiago Reservoir are most vulnerable to contamination from septic systems and wildfires.

USEPA also requires water purveyors to complete one Source Water Assessment (SWA) that utilizes information collected in the watershed sanitary surveys. MWDC completed its SWA in December 2002. The most recent SWA for Santiago Reservoir was completed in 2001. The SWA is used to evaluate the vulnerability of water sources to contamination and helps determine whether more protective measures are needed.

For additional information on the Watershed Sanitary Surveys or the Source Water Assessments, please call the District at (949) 837-0660.

# Your Water: Always Available, Always Assured

**T**HE DIEMER WATER TREATMENT PLANT, located in the hills above Yorba Linda, processes up to 520 million gallons of clean water per day — enough to fill the Rose Bowl every 4 hours. The water is a blend from both the Colorado River Aqueduct and the State Water Project. At 212-acres, it's one of the largest water treatment plants in the U.S. It provides nearly half of Orange County's total water supply.



Water flowing from Diemer meets — or exceeds — all state and federal regulations. And it is kept safe from the treatment plant to your tap by constant testing throughout the distribution network. The El Toro Water District monitors the water quality at all sources, reservoirs, and various points on the distribution system. This constant surveillance ensures your drinking water stays within the requirements mandated by the federal Safe Drinking Water Act.



## El Toro Water District

24251 Los Alisos Boulevard  
Lake Forest, California 92630

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Santa Ana, CA

Permit No. 1208

**This report contains important information about your drinking water.**

**Translate it, or speak with someone who understands it.**

Este informe contiene información muy importante sobre su agua potable. Para más información o traducción, favor de contactar a Customer Service Representative. Telefono: (949) 837-0660.

Bản báo cáo có ghi những chi tiết quan trọng về phẩm chất nước trong cộng đồng quý vị. Hãy nhờ người thông dịch, hoặc hỏi một người bạn biết rõ về vấn đề này.

Questo rapporto contiene informazioni importanti che riguardano la vostra acqua potabile. Traducetelo, o parlate con una persona qualificata in grado di spiegarvelo.

这份报告中有些重要的信息，讲到关于您所在社区的水的品质。请您找人翻译一下，或者请能看得懂这份报告的朋友给您解释一下。

この資料には、あなたの飲料水についての大切な情報が書かれています。内容をよく理解するために、日本語に翻訳して読むか説明を受けてください。

**EL TORO WATER DISTRICT  
CONSERVATION PROGRAM  
Monthly  
Status Report  
June 25, 2020**

**REBATE PROGRAMS**

The following tables are the current device rebate amounts for MET, MWDOC and ETWD for the fiscal year 2019/20 from July 1<sup>st</sup> 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](http://www.ocwatersmart.com). Customers without computer access can call 888-376-3314 to apply.

**1) Residential Rebate Program:**

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

\*Designated recycled water sites are not eligible for turf removal rebates. MWDOC Grant funding based on availability. ETWD has discontinued funding of synthetic turf rebates.

**2) Commercial Plumbing/Irrigation Devices Rebate Program:**

<b>Device</b>	<b>MET Rebate</b>	<b>MWDOC Grant</b>	<b>ETWD Rebate</b>	<b>Total Rebate (up to)</b>
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. ETWD has discontinued synthetic turf rebates. Additional commercial rebates available online at [ocwatersmart.com](http://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 May 2020 year-to-date sales, residential accounted for 66% of the overall Tier 3 usage and dedicated irrigation accounted for 55% 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 2019/20 consumption and ET factor to the fiscal 2018/19 consumption and ET factor.

The ET factor increased 26.67% from May 2019 when compared to May 2020. There was a 13% decrease in consumption reflected in May 2020.

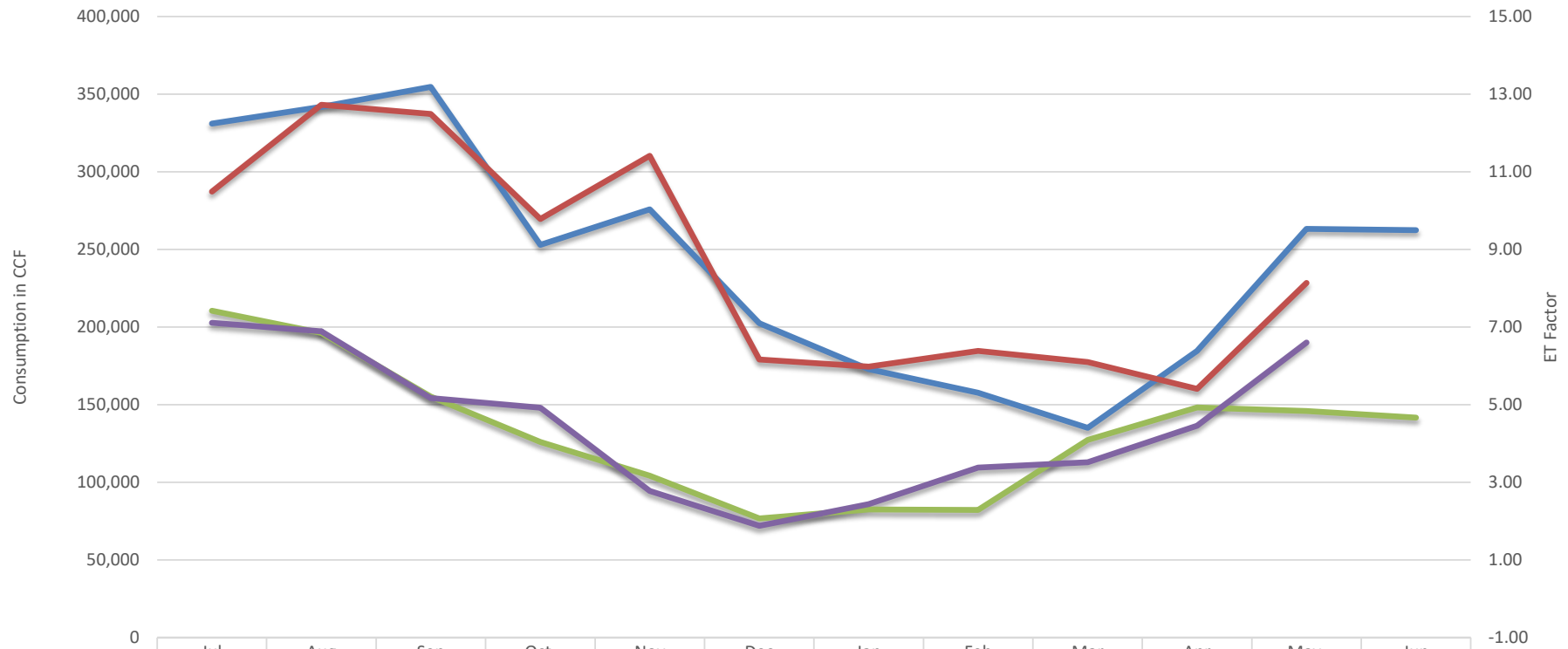
**MWDOC's—WATER USE EFFICIENCY PROGRAMS SAVINGS AND IMPLEMENTATION REPORT / ETWD's—WATER USE EFFICIENCY PROGRAM SAVINGS REPORT**

The current MWDOC and ETWD's Program Savings Reports follow this report. MWDOC's report show all their client agencies current participation levels in water use efficiency programs and savings calculations. ETWD's report show current District customer participation in water use efficiency programs along with savings provided in acre/feet per year, million gallons per year and avoided water costs based on those calculations.

**By: Sherri Seitz**  
**Date: June 17, 2020**



### Total Consumption Comparison



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2018-2019	331,098	341,819	354,683	253,007	275,853	202,506	172,911	157,696	135,090	184,628	263,218	262,396
2019-2020	287,207	343,163	337,247	269,666	310,344	179,155	174,596	184,609	177,526	160,199	228,443	
18/19 ET	7.42	6.85	5.21	4.04	3.17	2.07	2.30	2.29	4.09	4.93	4.84	4.67
19/20 ET	7.11	6.89	5.17	4.92	2.78	1.88	2.44	3.38	3.52	4.46	6.60	
%	87%	100%	95%	107%	113%	88%	101%	117%	131%	87%	87%	0%

**El Toro Water District  
Water Use Efficiency Program Savings**

Program	Program Start Year	Program/Total Years	Avoided Water Use Acre Feet/Annual	Avoided Water Use Million Gallons/Annual	Avoided Water Costs Based on MWDOC Rate (\$2.16 CCF) Annual
High Efficiency Toilet (HET)	2005	14	50.0	16.3	\$47,055
High Efficiency Clothes Washers--Residential	2001	18	24.9	8.1	\$23,433
*SoCal Water Smart Commercial Plumbing Fixtures Rebate Program (ULFT's, HET's, Urinals, HECW, Cooling Tower Conductivity Controllers)	2002	17	49.4	16.1	\$46,490
SmarTimer Program--Irrigation Timers	2004	15	182.0	59.3	\$171,280
Rotating Nozzles Rebate Program	2007	12	118.4	38.6	\$111,464
Turf Removal Program	2010	9	57.7	18.8	\$54,255
**Water Smart Landscape Program - Ended 2016	1997	20	242.9	79.2	\$228,594
Synthetic Turf Rebate Program-Ended 2011	2007	8	0.9	0.3	\$847
***Ultra Low Flush Toilets (ULFT)--Ended 2009	1992	16	193.2	58.0	\$167,487
Computer Controlled Irrigation System--Gate 11--Ended 2006	2001	6	8.9	2.9	\$8,357
<b>Totals</b>			<b>928.3</b>	<b>302.5</b>	<b>\$873,596</b>

\* Formerly the Save Water Save a Buck - Commercial Rebate Program

\*\* Formerly the Landscape Performance Certification Program

\*\*\* Correction on date and total

Because of our participation in Water Use Efficiency Programs, the District will not be using an estimated 302.5 million gallons of water per year.

# Orange County

## Water Use Efficiency Programs Savings and Implementation Report

### Retrofits and Acre-Foot Water Savings for Program Activity

Program	Program Start Date	Retrofits Installed in	Month Indicated		Current Fiscal Year		Overall Program		
			Interventions	Water Savings	Interventions	Water Savings	Interventions	Annual Water Savings[4]	Cumulative Water Savings[4]
High Efficiency Clothes Washer Program	2001	April-20	207	0.59	1,932	29.11	121,185	4,181	33,941
Smart Timer Program - Irrigation Timers	2004	April-20	255	5.39	2,456	123.06	27,197	8,845	55,228
Rotating Nozzles Rebate Program	2007	April-20	197	0.79	3,163	12.65	570,644	2,789	21,101
Commercial Plumbing Fixture Rebate Program	2002	April-20	0	0.00	4,766	86.20	109,718	5,295	55,131
Industrial Process/Water Savings Incentive Program (WSIP)	2006	April-20	0	0.00	3	257.37	37	1,257	4,730
Turf Removal Program <sup>[3]</sup>	2010	April-20	97,177	1.13	440,364	12.37	22,833,417	3,197	16,455
High Efficiency Toilet (HET) Program	2005	April-20	12	0.04	184	7.83	60,557	2,238	21,869
Water Smart Landscape Program [1]	1997						12,677	10,621	72,668
Home Water Certification Program	2013						312	7,339	15,266
Synthetic Turf Rebate Program	2007						685,438	96	469
Ultra-Low-Flush-Toilet Programs <sup>[2]</sup>	1992						363,926	13,452	162,561
Home Water Surveys <sup>[2]</sup>	1995						11,867	160	1,708
Showerhead Replacements <sup>[2]</sup>	1991						270,604	1,667	19,083
<b>Total Water Savings All Programs</b>			<b>8</b>	<b>452,868</b>	<b>529</b>	<b>25,067,579</b>	<b>53,805</b>	<b>464,958</b>	

(1) Water Smart Landscape Program participation is based on the number of water meters receiving monthly Irrigation Performance Reports.

(2) Cumulative Water Savings Program To Date totals are from a previous Water Use Efficiency Program Effort.

(3) Turf Removal Interventions are listed as square feet.

(4) Cumulative & annual water savings represents both active program savings and passive savings that continues to be realized due to plumbing code changes over time.

## HIGH EFFICIENCY CLOTHES WASHERS INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 12/13	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18	FY18/19	FY19/20	FY20/21	Total	Current FY Water Savings Ac/Ft (Cumulative)	Cumulative Water Savings across all Fiscal Years	15 yr. Lifecycle Savings Ac/Ft
Brea	93	115	114	76	57	55	53	32	-	2,007	0.43	561.67	1,038
Buena Park	105	106	91	76	54	50	46	26	-	1,640	0.27	447.17	849
East Orange CWD RZ	10	8	8	8	3	1	6	2	-	201	0.04	59.47	104
El Toro WD	134	121	111	65	47	50	40	27	-	1,638	0.46	447.83	848
Fountain Valley	115	102	110	76	65	48	39	28	-	2,515	0.39	735.53	1,301
Garden Grove	190	162	165	251	127	87	70	57	-	3,777	0.63	1,058.22	1,954
Golden State WC	265	283	359	260	138	156	92	85	-	5,348	1.13	1,502.19	2,767
Huntington Beach	334	295	319	225	180	139	93	103	-	8,581	1.49	2,547.74	4,440
Irvine Ranch WD	1,763	1,664	1,882	1,521	1,369	1,194	883	443	-	27,182	7.33	7,260.24	14,065
La Habra	82	114	87	66	53	48	48	42	-	1,465	0.58	394.08	758
La Palma	34	25	34	29	10	14	7	12	-	491	0.19	135.74	254
Laguna Beach CWD	38	37	39	32	19	20	18	16	-	986	0.21	280.60	510
Mesa Water	114	86	89	113	79	53	42	33	-	2,645	0.49	782.98	1,369
Moulton Niguel WD	442	421	790	688	574	524	357	275	-	11,076	4.08	2,891.22	5,731
Newport Beach	116	92	95	66	61	51	41	23	-	2,739	0.36	824.43	1,417
Orange	218	163	160	124	80	73	56	57	-	4,084	0.72	1,216.67	2,113
San Juan Capistrano	76	73	92	63	33	32	23	23	-	1,537	0.31	436.19	795
San Clemente	140	94	141	75	70	83	64	54	-	2,821	0.78	791.69	1,460
Santa Margarita WD	553	662	792	466	367	271	213	217	-	10,217	3.42	2,781.62	5,287
Seal Beach	31	29	38	23	9	17	8	19	-	646	0.29	182.11	334
Serrano WD	13	10	26	8	11	8	2	7	-	374	0.07	110.35	194
South Coast WD	89	79	68	43	44	36	28	29	-	1,677	0.47	470.62	868
Trabuco Canyon WD	30	45	47	34	28	22	13	12	-	845	0.19	235.90	437
Tustin	78	59	80	66	44	48	34	26	-	1,720	0.32	497.19	890
Westminster	121	82	109	149	84	65	46	30	-	2,727	0.47	773.11	1,411
Yorba Linda	181	167	156	123	55	66	43	51	-	3,911	0.85	1,165.45	2,024
<b>MWDOC Totals</b>	<b>5,365</b>	<b>5,094</b>	<b>6,002</b>	<b>4,726</b>	<b>3,661</b>	<b>3,211</b>	<b>2,365</b>	<b>1,729</b>	<b>-</b>	<b>102,862</b>	<b>25.97</b>	<b>28,594.42</b>	<b>19,873</b>
Anaheim	331	285	295	266	213	173	135	94	-	11,084	1.48	3,326.96	5,735
Fullerton	200	186	211	165	107	99	113	77	-	3,984	1.29	1,114.06	2,061
Santa Ana	163	131	132	259	141	124	128	32	-	3,255	0.37	905.22	1,684
<b>Non-MWDOC Totals</b>	<b>694</b>	<b>602</b>	<b>638</b>	<b>690</b>	<b>461</b>	<b>396</b>	<b>376</b>	<b>203</b>	<b>-</b>	<b>18,323</b>	<b>3.14</b>	<b>5,346.25</b>	<b>3,540</b>
<b>Orange County Totals</b>	<b>6,059</b>	<b>5,696</b>	<b>6,640</b>	<b>5,416</b>	<b>4,122</b>	<b>3,607</b>	<b>2,741</b>	<b>1,932</b>	<b>-</b>	<b>121,185</b>	<b>29.11</b>	<b>33,940.67</b>	<b>23,412</b>

**SMART TIMERS INSTALLED BY AGENCY**  
through MWDOC and Local Agency Conservation Programs

Agency	FY 12/13		FY 13/14		FY 14/15		FY 15/16		FY16/17		FY17/18		FY18/19		FY19/20		FY20/21		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm.	
Brea	9	8	4	0	43	6	20	4	31	4	32	0	33	0	28	0	0	0	224	80	585.35
Buena Park	3	0	0	0	4	10	7	4	10	7	15	3	17	7	20	1	0	0	83	52	186.72
East Orange CWD RZ	2	0	0	0	2	0	1	0	11	1	6	0	1	0	1	0	0	0	33	1	26.86
El Toro WD	7	2	11	0	8	9	9	17	33	8	29	4	34	0	21	0	0	0	199	359	2,729.70
Fountain Valley	3	2	4	0	7	10	13	1	33	12	28	12	36	4	33	(2)	0	0	188	54	232.40
Garden Grove	5	2	9	0	10	14	13	11	28	0	27	2	36	3	29	0	0	0	193	43	211.61
Golden State WC	9	49	9	25	39	12	35	16	56	37	88	6	85	15	72	0	0	0	470	213	980.18
Huntington Beach	18	33	20	35	19	2	42	12	88	94	70	30	105	65	64	21	0	0	511	384	1,348.19
Irvine Ranch WD	414	135	71	59	67	310	239	207	344	420	416	78	379	105	272	111	0	0	2,836	2,580	13,162.63
La Habra	4	7	2	0	4	7	3	1	12	7	8	0	19	3	18	(2)	0	0	81	45	237.72
La Palma	1	0	2	0	2	0	3	2	1	0	5	0	7	0	5	0	0	0	27	2	8.38
Laguna Beach CWD	76	2	71	0	86	0	86	1	27	0	11	0	8	0	14	0	0	0	530	20	272.59
Mesa Water	10	2	15	2	17	28	36	12	149	41	49	0	34	55	27	2	0	0	428	211	894.01
Moulton Niguel WD	51	74	40	45	46	95	163	100	236	129	284	33	316	64	258	43	0	0	1,772	941	4,280.63
Newport Beach	242	26	168	75	11	9	28	43	30	12	24	0	21	0	9	32	0	0	1,092	441	2,941.42
Orange	20	24	13	9	18	31	51	13	69	10	61	13	93	26	88	15	0	0	527	219	1,095.57
San Juan Capistrano	14	18	6	11	6	19	20	8	22	8	23	5	20	1	23	9	0	0	288	140	746.29
San Clemente	26	7	28	2	28	24	26	3	37	13	38	41	36	0	31	15	0	0	1,156	430	3,015.67
Santa Margarita WD	53	171	64	93	53	321	189	136	326	221	273	220	222	37	203	31	0	0	1,852	1,660	6,936.47
Seal Beach	1	0	1	36	1	12	2	2,446	2	4	5	0	6	31	9	0	0	0	27	2,533	6,825.34
Serrano WD	1	0	0	0	4	0	11	2	4	0	8	0	10	0	8	0	0	0	64	2	18.26
South Coast WD	13	16	8	4	104	73	9	11	7	0	15	2	7	7	14	0	0	0	314	221	1,312.17
Trabuco Canyon WD	6	0	2	0	6	1	16	50	13	3	20	0	33	0	30	0	0	0	186	157	1,063.63
Tustin	8	4	9	1	18	14	33	8	33	23	27	1	37	0	38	0	0	0	245	81	404.72
Westminster	1	1	2	0	13	17	7	1	17	12	22	0	24	0	20	0	0	0	131	44	232.49
Yorba Linda	20	0	12	5	32	2	61	27	72	71	68	10	74	4	93	5	0	0	573	202	990.43
<b>MWDOC Totals</b>	<b>1,017</b>	<b>583</b>	<b>571</b>	<b>402</b>	<b>648</b>	<b>1,026</b>	<b>1,123</b>	<b>3,136</b>	<b>1,691</b>	<b>1,137</b>	<b>1,652</b>	<b>460</b>	<b>1,693</b>	<b>427</b>	<b>1,428</b>	<b>281</b>	<b>0</b>	<b>0</b>	<b>14,030</b>	<b>11,115</b>	<b>50,739.42</b>
Anaheim	19	10	9	26	7	52	30	34	87	10	66	0	142	73	102	3	0	0	554	533	2,981.41
Fullerton	9	29	8	0	40	26	32	12	53	7	45	0	77	0	50	8	0	0	371	207	1,083.63
Santa Ana	8	19	7	8	9	27	22	26	15	3	16	0	24	20	16	129	0	0	138	249	423.47
<b>Non-MWDOC Totals</b>	<b>36</b>	<b>58</b>	<b>24</b>	<b>34</b>	<b>56</b>	<b>105</b>	<b>84</b>	<b>72</b>	<b>155</b>	<b>20</b>	<b>127</b>	<b>0</b>	<b>243</b>	<b>93</b>	<b>168</b>	<b>140</b>	<b>0</b>	<b>0</b>	<b>1063</b>	<b>989</b>	<b>4,488.51</b>
<b>Orange County Totals</b>	<b>1,053</b>	<b>641</b>	<b>595</b>	<b>436</b>	<b>704</b>	<b>1,131</b>	<b>1,207</b>	<b>3,208</b>	<b>1,846</b>	<b>1,157</b>	<b>1,779</b>	<b>460</b>	<b>1,936</b>	<b>520</b>	<b>1,596</b>	<b>421</b>	<b>-</b>	<b>-</b>	<b>15,093</b>	<b>12,104</b>	<b>55,228</b>

**ROTATING NOZZLES INSTALLED BY AGENCY**  
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14			FY 14/15			FY 15/16			FY 16/17			FY 17/18			FY 18/19			FY 19/20			FY 20/21			Total Program			Cumulative Water Savings across all Fiscal Years			
	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large				
	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.				
Brea	84	0	0	157	45	0	74	2,484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	572	2,749	0	62.74
Buena Park	53	0	0	248	0	0	45	98	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	558	173	2,535	904.56	
East Orange	30	0	0	221	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	781	0	0	22.41	
El Toro	56	3,288	0	1,741	28,714	0	730	4,457	0	55	242	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	3,405	46,222	890	1,421.25	
Fountain Valley	0	0	0	107	0	0	222	0	0	0	0	0	85	0	0	0	283	0	0	0	0	0	0	0	0	0	795	283	0	21.86	
Garden Grove	80	0	0	88	50	0	110	0	0	55	98	0	52	0	0	0	0	72	0	0	0	0	0	0	0	0	1,057	299	0	37.86	
Golden State	192	0	0	583	1,741	0	1,088	0	0	207	6,008	0	161	-495	0	35	259	0	63	1,652	0	0	0	0	0	0	3,707	12,732	0	299.31	
Huntington Beach	120	0	0	798	1,419	0	1,345	2,836	0	149	3,362	0	-37	0	0	0	0	30	0	0	0	0	0	0	0	0	3,790	12,526	2,681	1,469.75	
Irvine Ranch	11,010	4,257	0	1,421	632	0	1,989	5,047	0	335	9,511	0	356	-215	0	72	0	0	157	0	0	0	0	0	0	0	47,722	94,346	2,004	5,382.59	
La Habra	15	0	0	109	338	0	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	481	1,236	900	404.34	
La Palma	0	0	0	0	0	0	46	505	0	0	2,385	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	89	2,890	0	38.12	
Laguna Beach	2,948	878	0	2,879	1,971	0	1,390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,139	2,896	0	361.30	
Mesa Water	361	0	0	229	0	0	166	0	0	113	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	2,066	385	343	217.09	
Moulton Niguel	361	227	0	1,596	4,587	0	5,492	1,441	0	153	5,872	0	893	0	0	713	38	0	633	0	0	0	0	0	0	0	14,113	20,553	2,945	1,931.13	
Newport Beach	19,349	6,835	0	460	3,857	0	348	670	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	46,723	21,413	0	1,856.70	
Orange	245	120	0	304	668	0	631	91	0	0	0	0	0	0	0	30	0	0	67	0	0	0	0	0	0	0	3,267	1,072	0	126.33	
San Juan Capistrano	370	0	0	495	737	0	310	593	0	75	123	0	59	0	0	40	1,400	0	58	0	0	0	0	0	0	0	5,652	10,252	0	509.09	
San Clemente	415	5,074	0	326	0	0	426	0	0	0	0	0	146	0	0	0	0	35	0	0	0	0	0	0	0	0	10,170	7,538	1,343	917.84	
Santa Margarita	389	0	0	1,207	1,513	0	1,820	837	0	15	0	0	224	0	0	30	0	0	194	0	0	0	0	0	0	0	16,613	6,921	611	939.56	
Seal Beach	0	0	0	40	5,261	0	0	2,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	7,852	0	159.45	
Serrano	105	0	0	377	0	0	695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,405	0	0	106.90	
South Coast	70	0	0	4,993	13,717	0	1,421	2,889	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,130	18,870	0	580.71	
Trabuco Canyon	0	0	0	56	0	0	130	0	0	0	4,339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,086	5,130	0	160.44	
Tustin	329	0	0	408	0	0	317	386	0	65	-341	0	30	0	0	47	0	0	55	0	0	0	0	0	0	0	3,503	1,058	0	138.85	
Westminster	0	0	0	54	0	0	73	0	0	105	0	0	50	0	0	42	0	0	0	0	0	0	0	0	0	0	556	0	0	13.41	
Yorba Linda	40	990	0	921	0	0	1,715	0	0	213	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	6,115	4,359	500	519.44	
<b>MWDOC Totals</b>	<b>36,622</b>	<b>21,669</b>	<b>0</b>	<b>19,818</b>	<b>65,250</b>	<b>0</b>	<b>20,883</b>	<b>24,634</b>	<b>0</b>	<b>1,556</b>	<b>31,599</b>	<b>0</b>	<b>2,199</b>	<b>-710</b>	<b>0</b>	<b>1,043</b>	<b>1,980</b>	<b>0</b>	<b>###</b>	<b>1,652</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>197,650</b>	<b>281,755</b>	<b>14,752</b>	<b>18,603.02</b>	
Anaheim	338	0	0	498	712	0	794	5,221	0	147	3,953	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,020	49,799	105	1,569.31	
Fullerton	107	0	0	684	1,196	0	521	7,015	0	65	3,034	0	0	0	0	140	0	0	75	0	0	0	0	0	0	0	3,125	11,309	1,484	778.09	
Santa Ana	86	2,533	0	310	0	0	0	1,420	0	0	1,106	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	893	5,752	0	150.90	
<b>Non-MWDOC Totals</b>	<b>531</b>	<b>2,533</b>	<b>0</b>	<b>1,492</b>	<b>1,908</b>	<b>0</b>	<b>1,315</b>	<b>13,656</b>	<b>0</b>	<b>212</b>	<b>8,093</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140</b>	<b>0</b>	<b>0</b>	<b>109</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,038</b>	<b>66,860</b>	<b>1,589</b>	<b>2,498.29</b>		
<b>Orange County Totals</b>	<b>37,153</b>	<b>24,202</b>	<b>0</b>	<b>21,310</b>	<b>67,158</b>	<b>0</b>	<b>22,198</b>	<b>38,290</b>	<b>0</b>	<b>1,768</b>	<b>39,692</b>	<b>0</b>	<b>2,199</b>	<b>-710</b>	<b>0</b>	<b>1,183</b>	<b>1,980</b>	<b>0</b>	<b>###</b>	<b>1,652</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205,688</b>	<b>348,615</b>	<b>16,341</b>	<b>21,101.31</b>	

**COMMERCIAL PLUMBING FIXTURES INSTALLED BY AGENCY<sup>[1]</sup>**  
 through MWDOC and Local Agency Conservation Programs

Agency	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Totals	Cumulative Water Savings across all Fiscal Years
Brea	234	0	10	91	734	242	0	74	1,681	671
Buena Park	5	23	56	591	133	49	0	94	2,632	1,510
East Orange CWD RZ	0	0	0	0	0	0	0	0	0	0
El Toro WD	0	212	6	268	35	737	717	0	2,516	840
Fountain Valley	0	0	1	249	0	895	0	398	2,165	851
Garden Grove	4	1	167	676	410	0	354	373	3,178	1,993
Golden State WC	0	1	0	1,008	53	93	86	80	3,124	2,479
Huntington Beach	104	144	7	783	641	10	208	270	3,442	2,149
Irvine Ranch WD	1,090	451	725	11,100	5,958	1,599	1,000	15	30,480	11,073
La Habra	0	0	0	340	42	0	0	59	984	725
La Palma	0	0	0	0	509	0	0	0	675	187
Laguna Beach CWD	0	27	0	0	0	0	0	0	446	404
Mesa Water	6	0	79	661	782	0	110	19	4,383	2,792
Moulton Niguel WD	0	0	3	413	281	506	4,392	285	6,460	1,473
Newport Beach	0	0	566	0	0	0	1,596	16	3,446	1,804
Orange	1	271	81	275	2,851	458	532	394	6,414	2,545
San Juan Capistrano	0	14	0	0	0	0	0	0	260	488
San Clemente	0	0	1	0	0	0	0	321	753	487
Santa Margarita WD	0	0	2	90	743	598	699	0	2,247	452
Seal Beach	0	0	0	0	184	278	0	0	816	565
Serrano WD	0	0	0	0	0	0	0	0	0	0
South Coast WD	148	0	382	0	0	0	0	0	1,320	714
Trabuco Canyon WD	0	0	0	0	0	0	0	0	11	19
Tustin	0	0	75	358	212	2	408	254	2,066	1,135
Westminster	1	28	0	146	177	25	0	170	1,333	1,293
Yorba Linda	1	0	0	226	84	338	0	83	1,016	749
<b>MWDOC Totals</b>	<b>1,594</b>	<b>1,172</b>	<b>2,161</b>	<b>17,275</b>	<b>13,829</b>	<b>5,830</b>	<b>10,102</b>	<b>2,905</b>	<b>81,848</b>	<b>37,397</b>
Anaheim	165	342	463	3,072	309	1,808	686	585	16,832	9,326
Fullerton	94	0	178	476	621	274	384	356	3,792	2,252
Santa Ana	16	17	5	1,293	238	582	7	920	7,246	6,157
<b>Non-MWDOC Totals</b>	<b>275</b>	<b>359</b>	<b>646</b>	<b>4,841</b>	<b>1,168</b>	<b>2,664</b>	<b>1,077</b>	<b>1,861</b>	<b>27,870</b>	<b>17,734</b>
<b>Orange County Totals</b>	<b>1,869</b>	<b>1,531</b>	<b>2,807</b>	<b>22,116</b>	<b>14,997</b>	<b>8,494</b>	<b>11,179</b>	<b>4,766</b>	<b>109,718</b>	<b>55,131</b>

[1] Retrofit devices include ULF Toilets and Urinals, High Efficiency Toilets and Urinals, Multi-Family and Multi-Family 4-Liter HETs, Zero Water Urinals, High Efficiency Clothes Washers, Cooling Tower Conductivity Controllers, Ph Cooling Tower Conductivity Controllers, Flush Valve Retrofit Kits, Pre-rinse Spray heads, Hospital X-Ray Processor Recirculating Systems, Steam Sterilizers, Food Steamers, Water Pressurized Brooms, Laminar Flow Restrictors, and Ice Making Machines.

# INDUSTRIAL PROCESS/WATER SAVINGS INCENTIVE PROGRAM

## Number of Projects by Agency

Agency	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Overall Program Interventions	Annual Water Savings[1]	Cumulative Water Savings across all Fiscal Years[1]
Brea	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Park	0	0	0	0	1	0	0	0	0	0	2	54	609
East Orange	0	0	0	0	0	0	0	0	0	0	0	0	0
El Toro	0	0	0	0	0	0	0	1	0	0	1	9	14
Fountain Valley	0	0	0	0	0	1	0	0	0	0	1	23	71
Garden Grove	0	0	0	0	1	0	0	0	1	0	2	7	4
Golden State	0	0	0	0	0	0	0	0	1	0	2	58	58
Huntington Beach	0	2	0	1	2	0	1	0	0	0	6	180	927
Irvine Ranch	1	1	1	0	2	1	1	0	0	0	10	119	871
La Habra	0	0	0	0	1	0	0	0	0	0	1	0	1
La Palma	0	0	0	0	0	0	0	0	0	0	0	0	0
Laguna Beach	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesa Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Moulton Niguel	0	0	0	0	0	0	0	0	0	0	0	0	0
Newport Beach	0	0	0	1	0	0	0	0	0	0	1	21	113
Orange	0	0	0	0	1	2	1	0	0	0	5	97	690
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0	0	0	0
San Clemente	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Margarita	0	0	0	0	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	0	0	0	0	0	0	0	0
Serrano	0	0	0	0	0	0	0	0	0	0	0	0	0
South Coast	0	0	0	0	1	1	0	0	0	0	2	134	414
Trabuco Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0	0	0	0	0
Westminster	0	0	0	0	0	0	0	1	0	0	1	117	107
Yorba Linda	0	0	0	0	0	0	0	1	0	0	1	20	31
<b>MWDOC Totals</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>9</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>35</b>	<b>840</b>	<b>3912</b>
Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	0	0	0	0	1	0	1	282	188
Santa Ana	0	0	0	0	1	0	0	0	0	0	1	135	630
<b>OC Totals</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>10</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>37</b>	<b>1257</b>	<b>4730</b>

[1] Acre feet of savings determined during a one year monitoring period.

If monitoring data is not available, the savings estimated in agreement is used.



**TURF REMOVAL BY AGENCY<sup>[1]</sup>**  
 through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14		FY 14/15		FY 15/16		FY 16/17		FY 17/18		FY 18/19		FY 19/20		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	
Brea	5,697	0	71,981	30,617	118,930	404,411	8,354	479	9,853	27,234	3,180	44,733	2,026	0	228,997	516,940	511.56
Buena Park	0	0	11,670	1,626	77,127	16,490	3,741	0	4,586	0	1,230	0	4,754	0	98,354	18,116	80.42
East Orange	1,964	0	18,312	0	27,844	0	0	0	0	0	0	0	0	0	48,120	0	36.80
El Toro	4,582	0	27,046	221,612	63,546	162,548	13,139	48,019	7,273	42,510	12,856	9,895	3,597	21,290	137,845	557,302	518.81
Fountain Valley	4,252	0	45,583	5,279	65,232	0	3,679	0	8,631	0	5,764	28,700	734	0	135,123	41,503	117.51
Garden Grove	8,274	0	67,701	22,000	177,408	49,226	11,504	0	4,487	0	0	0	0	0	287,921	117,403	337.17
Golden State	32,725	8,424	164,507	190,738	310,264	112,937	0	0	0	0	48,595	0	0	0	581,902	394,867	780.47
Huntington Beach	20,642	0	165,600	58,942	305,420	270,303	9,560	21,534	14,236	6,032	9,539	40,135	7,699	7,504	562,647	461,872	775.67
Irvine Ranch	36,584	76,400	234,905	317,999	782,844	2,675,629	231,483	46,725	86,893	61,037	55,346	203,014	20,848	20,716	1,472,812	3,427,648	3,374.41
La Habra	0	0	14,014	1,818	49,691	72,164	0	0	3,003	0	1,504	0	3,791	0	68,212	90,019	121.15
La Palma	0	0	4,884	0	10,257	59,760	0	0	0	0	0	0	0	0	15,141	59,760	53.11
Laguna Beach	4,586	226	13,647	46,850	47,614	0	3,059	0	589	0	0	0	1,217	0	75,670	48,788	100.20
Mesa Water	22,246	0	131,675	33,620	220,815	106,896	4,173	77,033	17,373	77,785	3,023	0	12,767	47,075	416,749	295,334	483.49
Moulton Nigue	14,739	40,741	314,250	1,612,845	889,748	1,059,279	220,749	0	98,271	0	106,574	0	77,388	18,951	1,661,308	2,840,054	3,389.00
Newport Beach	894	0	33,995	65,277	76,675	375,404	2,924	0	5,938	6,499	0	90,403	1,294	0	127,428	539,929	442.10
Orange	11,244	0	120,093	281,402	289,990	106,487	12,847	2,366	11,956	0	13,645	1,798	2,190	0	488,697	400,776	685.96
San Clemente	18,471	13,908	90,349	1,137	215,249	438,963	4,267	0	33,083	7,098	6,500	0	4,372	3,064	405,483	474,271	641.80
San Juan Capistrano	12,106	0	101,195	32,366	197,290	143,315	2,624	40,748	0	0	0	0	0	0	365,415	347,277	609.46
Santa Margarita	17,778	48,180	211,198	514,198	534,048	550,420	17,010	28,094	62,706	25,000	24,616	23,198	10,722	38,074	883,954	1,217,651	1,551.53
Seal Beach	0	0	15,178	504	17,349	15,911	1,234	0	752	0	0	0	996	0	38,124	16,415	41.40
Serrano	2,971	0	41,247	0	127,877	4,403	5,450	0	555	0	4,000	0	840	0	182,100	4,403	134.48
South Coast	15,162	116,719	84,282	191,853	181,102	128,290	14,967	0	13,319	7,806	7,574	0	756	50,000	332,641	465,387	641.09
Trabuco Canyon	2,651	0	14,771	0	42,510	88,272	1,465	0	4,788	0	1,536	0	4,752	49,533	69,535	110,712	136.34
Tustin	1,410	0	71,285	14,137	232,697	33,362	11,173	0	16,926	0	13,189	6,894	11,743	6,936	356,660	54,393	287.17
Westminster	0	0	14,040	34,631	71,833	23,902	11,112	0	10,033	0	5,924	0	1,962	0	112,942	58,533	118.59
Yorba Linda	0	0	112,136	12,702	360,279	116,985	19,420	0	9,529	3,696	12,590	12,020	2,773	0	525,303	145,403	476.30
<b>MWDOC Totals</b>	<b>238,978</b>	<b>304,598</b>	<b>2,195,544</b>	<b>3,692,153</b>	<b>5,493,639</b>	<b>7,015,357</b>	<b>613,934</b>	<b>264,998</b>	<b>424,780</b>	<b>264,697</b>	<b>288,590</b>	<b>509,385</b>	<b>177,221</b>	<b>263,143</b>	<b>9,679,083</b>	<b>12,704,756</b>	<b>16,445.98</b>

Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Fullerton	0	9,214	0	0	0	0	0	0	0	0	0	0	0	0	0	9,214	9.03
Santa Ana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
<b>Non-MWDOC Totals</b>	<b>0</b>	<b>9,214</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,214</b>	<b>9.03</b>

<b>Orange County Totals</b>	<b>238,978</b>	<b>313,812</b>	<b>2,195,544</b>	<b>3,692,153</b>	<b>5,493,639</b>	<b>7,015,357</b>	<b>613,934</b>	<b>264,998</b>	<b>424,780</b>	<b>264,697</b>	<b>288,590</b>	<b>509,385</b>	<b>177,221</b>	<b>263,143</b>	<b>9,679,083</b>	<b>12,713,970</b>	<b>16,455</b>
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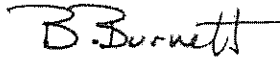
[1] Installed device numbers are listed as square feet

## HIGH EFFICIENCY TOILETS (HETs) INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	Total	Cumulative Water Savings across all Fiscal Years
Brea	0	38	146	154	4	6	1	0	0	457	135.98
Buena Park	0	96	153	112	13	3	0	2	0	689	244.67
East Orange CWD RZ	0	13	26	24	0	0	0	2	0	88	27.92
El Toro WD	133	218	869	264	12	6	10	5	0	2,058	699.67
Fountain Valley	0	41	132	220	7	8	1	3	0	835	314.34
Garden Grove	0	63	350	363	7	4	5	3	0	1,496	538.88
Golden State WC	2	142	794	512	9	11	5	7	0	2,813	997.71
Huntington Beach	0	163	1,190	628	4	3	4	2	0	2,910	946.09
Irvine Ranch WD	1,449	810	1,777	2,798	638	239	162	66	0	17,376	6,772.94
Laguna Beach CWD	0	45	112	81	1	4	0	2	0	394	134.95
La Habra	0	37	94	83	5	1	0	0	0	591	241.01
La Palma	0	21	59	52	4	2	4	3	0	231	76.14
Mesa Water	0	147	162	162	7	3	3	15	0	1,639	720.61
Moulton Niguel WD	0	400	2,497	1,939	49	38	21	16	0	5,765	1,591.07
Newport Beach	0	49	168	243	11	6	0	0	0	731	239.39
Orange	1	142	978	416	17	10	5	4	0	2,198	702.74
San Juan Capistrano	0	35	140	202	3	9	4	0	0	536	162.75
San Clemente	0	72	225	246	11	6	10	1	0	889	294.17
Santa Margarita WD	0	528	997	1,152	114	33	11	14	0	3,367	938.17
Seal Beach	2	17	50	69	-1	0	0	0	0	857	458.19
Serrano WD	0	2	40	55	3	0	3	0	0	124	34.09
South Coast WD	64	102	398	235	11	7	0	0	0	1,028	310.30
Trabuco Canyon WD	0	10	108	169	2	3	2	0	0	344	92.74
Tustin	0	64	132	201	12	10	4	7	0	1,527	654.64
Westminster	0	35	161	359	3	4	0	0	0	1,335	517.35
Yorba Linda WD	0	40	280	379	12	8	2	3	0	1,264	442.70
<b>MWDOC Totals</b>	<b>1,651</b>	<b>3,330</b>	<b>12,038</b>	<b>11,118</b>	<b>958</b>	<b>424</b>	<b>257</b>	<b>155</b>	<b>0</b>	<b>51,542</b>	<b>18,289.21</b>
<b>Non-MWDOC Totals</b>	<b>0</b>	<b>250</b>	<b>2,083</b>	<b>1,193</b>	<b>104</b>	<b>28</b>	<b>17</b>	<b>25</b>	<b>0</b>	<b>9,011</b>	<b>3,579.73</b>
<b>Orange County Totals</b>	<b>1,651</b>	<b>3,580</b>	<b>14,121</b>	<b>12,311</b>	<b>1,062</b>	<b>452</b>	<b>274</b>	<b>180</b>	<b>0</b>	<b>60,553</b>	<b>21,868.93</b>

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](http://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*

To Be Held by Teleconference on:  
June 4, 2020

Closed Session at 8:30 a.m.  
Open Session at 9:30 a.m.  
(or immediately following the Closed Session)

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT [WWW.SOCWA.COM](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST **SEVENTY-TWO (72)** HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S 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 BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS. 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 SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

### ***FOR MEETING PARTICIPATION:***

**OPEN SESSION TELECONFERENCE PHONE NUMBER: 213-279-1455**  
**TELECONFERENCE ID: 528 947 530**

1. CALL MEETING TO ORDER
2. PLEDGE OF ALLEGIANCE
3. CLOSED SESSION
  - A. A Closed Session Conference with Labor Negotiators Pursuant to Government Code Section § 54957.6

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

Employee Organization: SOCWA Employee Association

B. A Closed Session conference with General Counsel Potential Litigation in one matter Pursuant to Government Code Section § 54956.9

4. REPORT OUT OF CLOSED SESSION

5. RECONVENE BOARD REGULAR MEETING TO OPEN SESSION at 9:30 a.m.

6. ORAL COMMUNICATIONS

*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.*

PAGE NO

7. CONSENT CALENDAR

A. Operational Reports – April 2020.....	1
1. Monthly Operations Reports	
2. Ocean Outfall Discharges by Agency	
3. Beach Ocean Monitoring Report	
4. Recycled Water Report	
5. Pretreatment Report (May 2020)	

ACTION: The Board will be requested to receive and file the April 2020 Operations Reports as submitted

B. Capital Improvement Program Status Report .....	38
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ACTION: The Board will be requested to receive the reports as submitted

C. Capital Improvement Program Project Financial Status and Change Orders.....	52
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ACTION: Staff recommends the Board of Directors receive and file the Capital Improvement Program Project Financial Status and approve the Change Orders as shown in the report

8. GENERAL MANAGER'S REPORTS

A. Report of the Nominating Committee for Selection of Officers for the Board of Directors – Fiscal Year (FY) 2020/2021 .....	60
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ACTION: The SOCWA Board of Directors elect/appoint Officers to serve the Authority during FY2020/21

B. Contract Extension Award to Miles Chemical for Ferric Chloride .....	61
[PC 2, PC 15 & PC 17]	

ACTION: Staff recommends award of a 1-year contract extension to Mile Chemical, Inc. for Ferric Chloride at a rate of 610.00 per dry ton for full loads (40,000+ dry tons), \$710.00 per dry ton for loads of 20,000 to <40,000 dry tons and \$825.00 per dry ton for loads of 10,000 to <20,000 dry ton

C. Landscaping Contract Extension with BrightView Landscape Services at JBL ..... 63  
[PC 2]

ACTION: Staff recommends the Board of Directors authorize the General Manager to provide up to one (1) year contract extension to BrightView Landscape Services for landscaping services at JBL (PC-2), for an amount not to exceed \$36,470.88.

D. Landscaping Contract Extension with BrightView Landscape Services at RTP ..... 65  
[PC 17]

ACTION: Staff recommends the Board of Directors authorize the General Manager to provide up to one (1) year contract extension to BrightView Landscape Services for landscaping services at RTP (PC-17), for an amount not to exceed \$79,048.32.

E. Investment Policy for Public Funds Annual Review ..... 67

ACTION: Staff recommends the Board of Directors receive and file subject report indicating there is no change to the SOCWA Investment Policy based on the annual review.

F. Approval of FY 2020-21 Budget ..... 76

*As needed, the General Counsel will cover the vote requirements for each area at the meeting immediately prior to the motion and vote on each item.*

ACTION: The Finance Committee recommends that the Board of Directors consider the Budget as proposed.

The FY 2020/21 Budget includes, General Fund Expenses, Operating Expenses and Capital Expenditures as proposed.

1. General Fund Budget

Approval of the FY 2020/21 General Fund Budget. Approval of the General Fund Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.

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2. Project Committee Operating Budgets

- a. Approval of the FY 2020/21 Administration Budget (inclusive of project committee administration expenses, residual engineering, and IT). Approval of the FY 2020/21 Administration Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
  
- b. Approval of the Project Committee (“PC”) 2 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) as proposed and PC 2 Capital Expenditures Budget (inclusive of large capital, non-capital engineering and small capital). Approval of the Project Committee (“PC”) 2 Operations and Maintenance Budget and PC 2 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
  
- c. Approval of the Project Committee (“PC”) 17 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 17 Capital Expenditures Budget (inclusive of large capital, non-capital engineering and small capital). Approval of the Project Committee (“PC”) 17 Operations and Maintenance Budget and PC 17 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
  
- d. Approval of the Project Committee (“PC”) 15 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 15 Capital Expenditures Budget (inclusive of large capital, non-capital engineering and small capital). Approval of the Project Committee (“PC”) 15 Operations and Maintenance Budget and PC 15 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
  
- e. Approval of the Project Committee (“PC”) 5 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 5 Capital Expenditures Budget (inclusive of large capital and non-capital engineering). Approval of the Project Committee (“PC”) 5 Operations and Maintenance Budget and PC 5 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board

action; the Board approves the allocation of expenses with approval of the Budget.

- f. Approval of the Project Committee (“PC”) 24 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB) and PC 24 Capital Expenditures Budget (inclusive of large capital and non-capital engineering). Approval of the Project Committee (“PC”) 24 Operations and Maintenance Budget and PC 24 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
- g. Approval of the Project Committee (“PC”) 21 (ETM) Operations and Maintenance Budget, UAL and OPEB and PC 21 Capital Expenditures Budget (inclusive of large capital and non-capital engineering). Approval of the Project Committee (“PC”) 21 (ETM) Operations and Maintenance Budget and PC 21 Capital Expenditures Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
- h. Approval of the Project Committee (“PC”) 8 (Pretreatment) Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, UAL and OPEB). Approval of the Project Committee (“PC”) 8 (Pretreatment) Operations and Maintenance Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget.
- i. Approval of the Project Committee (“PC”) 2SO (PC12) Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety, IT, UAL and OPEB). Approval of the Project Committee (“PC”) 2SO (PC12) Operations and Maintenance Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action. Authorization includes the redistribution of the costs of PC 2SO (PC 12) among the member agencies to exclude El Toro Water District and Irvine Ranch Water District); the Board approves the allocation of expenses with approval of the Budget.
- j. The Board directs staff to prepare and distribute a final printed budget consistent with any additional changes presented and approved at the June 4, 2020 meeting.

G. RESOLUTION NO. 2020-07: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary and Employee Job Classification Salary Schedule to the Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association ..... 80

ACTION: Staff recommends that the Board of Directors approve Resolution No. 2020-07, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Salary Range Summary and Employee Job Classification Salary Schedule to the Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association

H. RESOLUTION NO. 2020-08: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary and Employee Job Classification Salary Schedule to the SOCWA Employee Manual..... 89

ACTION: Staff recommends that the Board of Directors approve Resolution No. 2020-08, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary and Employee Job Classification Salary Schedule to the SOCWA Employee Manual

I. General Manager's Status Report ..... 100

ACTION: Information and Discussion

J. OTHER MATTERS

Open discussion or items received too late to be agendaized.

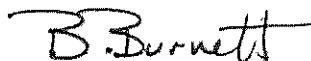
Note: Determine the need to take action on the following item(s) introduced by the General Manager which arose subsequent to the agenda being posted.

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

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Board of Directors at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced Board of Directors at the usual agenda posting location of the South Orange County Wastewater Authority and at [www.socwa.com](http://www.socwa.com).

Dated this 28<sup>th</sup> day of May 2020.



\_\_\_\_\_  
Betty Burnett, General Manager/Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY



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

**ENGINEERING COMMITTEE  
TELECONFERENCE MEETING**

**TELECONFERENCE PHONE NUMBER: (213) 279-1455  
TELECONFERENCE ID: 694 267 108**

**June 11, 2020**

**8:30 a.m.**

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was called to be held by Teleconference on **June 11, 2020 at 8:30 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

*MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED WITH THE AGENDA THE WEB-SITE [WWW.SOCWA.COM](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON 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 DISCLOSABLE 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 FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE ENGINEERING COMMITTEE ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE ENGINEERING COMMITTEE LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.*

**AGENDA**

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

*THOSE WISHING TO ADDRESS THE ENGINEERING COMMITTEE ON ANY ITEM LISTED ON THE AGENDA WILL BE REQUESTED TO IDENTIFY AT THE OPENING OF THE MEETING AND PRIOR TO THE CLOSE OF THE MEETING. THE AUTHORITY REQUESTS THAT YOU STATE YOUR NAME WHEN MAKING THE REQUEST IN ORDER THAT YOUR NAME MAY BE CALLED TO SPEAK ON THE*

*ITEM OF INTEREST. THE CHAIR OF THE MEETING WILL RECOGNIZE SPEAKERS FOR COMMENT AND GENERAL MEETING DECORUM SHOULD BE OBSERVED IN ORDER THAT SPEAKERS ARE NOT TALKING OVER EACH OTHER DURING THE CALL.*

**3. Approval of Minutes**

- a. Engineering Committee Meeting Minutes of February 13, 2020
- b. Engineering Committee Meeting Minutes of March 12, 2020

**Recommended Action:**

Staff recommends the Engineering Committee to approve subject minutes as submitted.

**4. Operations Report**

**Recommended Action:**

Information Item

**5. Peer-Review Report: SCCWRP Implementation of the ROMS/BEC Modeling System for Ocean Acidification/Hypoxia Assessments in the Southern California Bight**

**Recommended Action:**

Information Item

**6. Capital Improvement Construction Projects Report**

**Recommended Action:**

Information Item

**7. Capital Project Management System Update**

**Recommended Action:**

Information Item

**8. JB Latham Consequence of Failure Analysis**

**Recommended Action:**

Information Item

**9. San Juan Creek Ocean Outfall Junction Structure Rehabilitation (Project Committee 5) Update**

**Recommended Action:**

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 meeting at the usual agenda posting location of the South Orange County Wastewater Authority and at [www.socwa.com](http://www.socwa.com).

Dated this 4<sup>th</sup> day of June 2020.



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

**NOTICE OF SPECIAL MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
  
FINANCE COMMITTEE  
TELECONFERENCE MEETING**

**TELECONFERENCE PHONE NUMBER: (213) 279-1455  
TELECONFERENCE ID: 212 048 377**

**June 23, 2020  
10:30 a.m.**

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee was called by the Chairman to be held by Teleconference on **June 23, 2020 at 10:30 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

*MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED WITH THE AGENDA ON THE WEB-SITE [WWW.SOCWA.COM](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.*

*AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY FINANCE COMMITTEE IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE FINANCE COMMITTEE ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE FINANCE COMMITTEE LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.*

**AGENDA**

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

*THOSE WISHING TO ADDRESS THE FINANCE COMMITTEE ON ANY ITEM LISTED ON THE AGENDA WILL BE REQUESTED TO IDENTIFY AT THE OPENING OF THE MEETING AND PRIOR TO THE CLOSE OF THE MEETING. THE AUTHORITY REQUESTS THAT YOU STATE YOUR NAME*

*WHEN MAKING THE REQUEST IN ORDER THAT YOUR NAME MAY BE CALLED TO SPEAK ON THE ITEM OF INTEREST. THE CHAIR OF THE MEETING WILL RECOGNIZE SPEAKERS FOR COMMENT AND GENERAL MEETING DECORUM SHOULD BE OBSERVED IN ORDER THAT SPEAKERS ARE NOT TALKING OVER EACH OTHER DURING THE CALL.*

**3. Approval of Minutes**

- a. Finance Committee Meeting Minutes of April 21, 2020
- b. Finance Committee Meeting Minutes of May 12, 2020

**Recommended Action:** Staff recommends the Finance Committee to approve minutes as submitted

**4. Financial Reports for the Month of April 2020**

- a. Summary of Disbursements for April 2020 (Exhibit A)
- b. Schedule of Funds Available for Reinvestment (Exhibit B)
  - Local Agency Investment Fund (LAIF)
- c. Schedule of Cash and Investments (Exhibit C)
- d. Capital Schedule (Exhibit D)
  - Capital Projects – Graph (Exhibit D-1)
- e. Budget vs. Actual Expenses:
  - Operations and Environmental Summary (Exhibit E-1)
  - Operations and Environmental by PC (E-1.2)
  - Residual Engineering, after transfer to Capital (Exhibit E-2)
  - Administration (Exhibit E-3)
  - Information Technology (IT) (Exhibit E-4)

**Recommended Action:** Staff recommends the Finance Committee recommend to the Board of Directors to ratify the April 2020 disbursements for the period from April 1, 2020, through April 30, 2020, totaling \$4,073,554 and to receive and file the April 2020 Financial Reports as submitted

**5. Financial Reports for the Month of May 2020**

- a. Summary of Disbursements for May 2020 (Exhibit A)
- b. Schedule of Funds Available for Reinvestment (Exhibit B)
  - Local Agency Investment Fund (LAIF)
- c. Schedule of Cash and Investments (Exhibit C)
- d. Capital Schedule (Exhibit D)
  - Capital Projects – Graph (Exhibit D-1)
- e. Budget vs. Actual Expenses:
  - Operations and Environmental Summary (Exhibit E-1)
  - Operations and Environmental by PC (E-1.2)
  - Residual Engineering, after transfer to Capital (Exhibit E-2)
  - Administration (Exhibit E-3)
  - Information Technology (IT) (Exhibit E-4)

**Recommended Action:** Staff recommends the Finance Committee recommend to the Board of Directors to ratify the May 2020 disbursements for the period from May 1, 2020, through May 31, 2020, totaling \$3,842,535 and to receive and file the May 2020 Financial Reports as submitted

**6. FY 2020/2021 Audit Planning – Presentation by The Pun Group**

- a. Planned Scope and Timing of the Audit
- b. Confirmations needed from the Member Agencies, Law Firms, and Insurance Providers
- c. Related Party and Fraud Questionnaires for the Board

**Recommended Action:** Staff recommends that the Finance Committee receive and discuss the presentation

**7. CalPERS Information Update**

- a. Fiscal year-to-date return on investments is now approximately 6.5% vs. targeted 7% return, up from -11% loss in March
- b. Alternate arrangements may be available to Defer the Annual required UAL payment of \$991,000 without additional interest

**Recommended Action:** Information Item

**8. UAL Payment Options meeting with Member Agencies Update**

- a. Meetings held with EL Toro Water District, City of Laguna Beach, Emerald Bay Service District, Irvine Ranch Water District, and City of San Juan Capistrano
- b. Discussion of interest to date and future meetings

**Recommended Action:** Staff recommends that the Finance Committee receive and discuss presentation

**9. OPEB PARS savings account update**

- The Authority has recovered 94% of the Loss incurred in March 2020. The current account balance as of May 31, 2020 is \$5,156,705.

**Recommended Action:** Staff recommends that the Finance Committee receive and discuss presentation

**Adjournment**

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Finance Committee at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced Finance Committee at the usual agenda posting location of the South Orange County Wastewater Authority and at [www.socwa.com](http://www.socwa.com).

Dated this 18<sup>th</sup> day of June 2020.



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

MEETING OF THE BOARD OF DIRECTORS OF THE  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
Jointly with the  
**PLANNING & OPERATIONS COMMITTEE**  
June 1, 2020, 8:30 a.m.

**Due to the spread of COVID-19 and as authorized by the Governor's Executive Order, MWDOC will be holding all upcoming Board and Committee meetings by Zoom Webinar and will be available by either computer or telephone audio as follows:**

**Computer Audio:** You can join the Zoom meeting by clicking on the following link:  
<https://zoom.us/j/8828665300>

**Telephone Audio:** (669) 900 9128 fees may apply  
(877) 853 5247 Toll-free  
**Webinar ID:** 882 866 5300#

**P&O Committee:**

Director McVicker, Chair  
Director Dick  
Director Yoo Schneider

Staff: R. Hunter, K. Seckel, J. Berg,  
H. De La Torre, K. Davanaugh,  
V. Osborn

Ex Officio Member: Director Tamaribuchi

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

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

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

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

**ACTION ITEMS**

1. LANDSCAPE DESIGN AND MAINTENANCE ASSISTANCE PROGRAMS
2. AERIAL IMAGERY ACQUISITION AND ANALYSIS

3. OPERATIONAL AREA AGREEMENT
4. APPROVAL OF AMP CAPACITY FLOW WAIVERS FOR YLWD AND EOCWD DUE TO PFAS IMPACTS TO WELLS

**DISCUSSION ITEMS**

5. UPDATE ON COVID-19 RELATED ITEMS (ORAL REPORT)

**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.)

6. SOLE SOURCE PROCUREMENT WITH OC REGISTER
7. STATUS REPORTS
  - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
  - b. WEROC
  - c. Water Use Efficiency Projects
8. 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

*Adjourn Planning & Operations Committee meeting*

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

9. ADOPT RESOLUTION ACCEPTING AND CONFIRMING RESIGNATION OF DIRECTOR BRETT R. BARBRE FROM THE MET BOARD

*Recommendation: Adopt a Resolution accepting and confirming Director Barbre's resignation from the MET Board (effective May 26, 2020) and thanking him for his service on the MET Board.*

**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.

WORKSHOP MEETING OF THE  
BOARD OF DIRECTORS WITH MET DIRECTORS  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
18700 Ward Street, Fountain Valley, California  
June 3, 2020, 8:30 a.m.

**Due to the spread of COVID-19 and as authorized by the Governor's Executive Order, MWDOC will be holding all upcoming Board and Committee meetings by Zoom Webinar and will be available by either computer or telephone audio as follows:**

**Computer Audio:** You can join the Zoom meeting by clicking on the following link:  
<https://zoom.us/j/8828665300>

**Telephone Audio:** (669) 900 9128 fees may apply  
(877) 853 5247 Toll-free  
**Webinar ID:** 882 866 5300#

## AGENDA

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### 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 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>.

### NEXT RESOLUTION NO. 2098

### ACTION ITEM

1. **MWDOC BOARD AUTHORIZATION OF ADVANCE PUMP PURCHASE BY MWDOC FOR THE EOCWD OC-70 FLOW CONTROL FACILITY AS PART OF THE NEGOTIATIONS BETWEEN MET, MWDOC AND EOCWD**

*Recommendation:* Authorize the General Manager to offer to MET the advance purchase of a pump for the OC-70 Flow Control Facility, at an estimated cost of \$50,000 (previously \$35,000, but the higher price has the cost of the pump, tax, shipping, and MET specified coating and materials). The advance purchase of the pump will help resolve the critical nature of that facility, as the

*negotiations proceed for transfer of the facility from MET to MWDOC/EOCWD. The purchase would be funded from reserves and a request for reimbursement by MET will be included as part of the OC-70 resolution of issues. Reimbursement cannot be guaranteed at this point.*

**PRESENTATION/DISCUSSION ITEMS**

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

*Recommendation: Receive input and discuss the information.*

**3. METROPOLITAN'S 2020 INTEGRATED RESOURCES PLAN (IRP) DISCUSSION SERIES PART 6 – DRIVERS OF CHANGE**

*Recommendation: Review and discuss the information presented.*

**INFORMATION ITEMS**

**4. DELTA CONVEYANCE PROJECT ACTIVITIES UPDATE**

*Recommendation: Receive and file the information presented.*

**5. WATER SUPPLY CONDITIONS UPDATE**

*Recommendation: Review and discuss the information presented.*

**6. 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.*

**7. METROPOLITAN (MET) BOARD AND COMMITTEE AGENDA DISCUSSION ITEMS**

- a. Summary regarding May MET 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.

# REVISED

MEETING OF THE BOARD OF DIRECTORS OF THE  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
Jointly with the  
**ADMINISTRATION & FINANCE COMMITTEE**  
June 10, 2020, 8:30 a.m.

**Due to the spread of COVID-19 and as authorized by the Governor's Executive Order, MWDOC will be holding all upcoming Board and Committee meetings by Zoom Webinar and will be available by either computer or telephone audio as follows:**

**Computer Audio:** You can join the Zoom meeting by clicking on the following link:  
<https://zoom.us/j/8828665300>

**Telephone Audio:** (669) 900 9128 fees may apply  
(877) 853 5247 Toll-free  
**Webinar ID:** 882 866 5300#

**A&F Committee:**

Director Thomas, Chair  
Director Finnegan  
Director Dick

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

Ex Officio Member: Director Tamaribuchi

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

**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 – May 2020
  - b. Disbursement Approval Report for the month of June 2020
  - c. Disbursement Ratification Report for the month of May 2020
  - d. GM Approved Disbursement Report for the month of May 2020
  - e. Water Use Efficiency Projects Cash Flow – May 31, 2020
  - f. Consolidated Summary of Cash and Investment – April 2020
  - g. OPEB and Pension Trust Fund monthly statement
  
2. FINANCIAL REPORT
  - a. Combined Financial Statements and Budget Comparative for the Period ending April 30, 2020

**ACTION ITEM**

3. ANNUAL APPROVAL OF DISTRICT SALARY SCHEDULE
  
4. RATIFY THE MET DIRECTOR SELECTION COMMITTEE APPOINTMENTS BY PRESIDENT TAMARABUCHI

**INFORMATION ITEMS – (THE FOLLOWING ITEMS ARE FOR INFORMATIONAL PURPOSES ONLY – BACKGROUND INFORMATION IS INCLUDED IN THE PACKET. DISCUSSION IS NOT NECESSARY UNLESS REQUESTED BY A DIRECTOR.)**

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

**OTHER ITEMS**

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

**ADJOURNMENT**

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

Attendance at Committee meetings and the Board meeting considering an item consequently is advised.

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

MEETING OF THE  
BOARD OF DIRECTORS OF THE  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
Jointly with the  
**PUBLIC AFFAIRS AND LEGISLATION COMMITTEE**  
June 15, 2020, 8:30 a.m.

**Due to the spread of COVID-19 and as authorized by the Governor's Executive Order, MWDOC will be holding all upcoming Board and Committee meetings by Zoom Webinar and will be available by either computer or telephone audio as follows:**

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

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

<b>Telephone Audio:</b>	<b>(669) 900 9128 fees may apply</b>
	<b>(877) 853 5247 Toll-free</b>
<b>Webinar ID:</b>	<b>882 866 5300#</b>

**Committee:**

Director Yoo Schneider, Chair  
Director Barbre  
Director McVicker

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

Ex Officio Member: Director Tamaribuchi

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**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. Metropolitan Legislative Matrix

2. MEDIA PROGRAM UPDATE

**ACTION ITEMS**

- 3. CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) SEAT C – SOUTHERN NETWORK ELECTION
- 4. EXTENSION OF CONSULTING CONTRACT WITH ACKERMAN CONSULTING

**INFORMATION ITEMS** (THE FOLLOWING ITEMS ARE FOR INFORMATIONAL PURPOSES ONLY – BACKGROUND INFORMATION IS INCLUDED IN THE PACKET. DISCUSSION IS NOT NECESSARY UNLESS REQUESTED BY A DIRECTOR.)

- 5. SOLE SOURCE PROCUREMENT WITH PLANET BIDS
- 6. MWDOC CHOICE SCHOOL PROGRAMS
- 7. PUBLIC AND GOVERNMENT AFFAIRS ACTIVITIES REPORT

**OTHER ITEMS**

- 8. 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.

REGULAR MEETING  
OF THE BOARD OF DIRECTORS  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
18700 Ward Street, Fountain Valley, California  
June 17, 2020, 8:30 a.m.

**Due to the spread of COVID-19 and as authorized by the Governor's Executive Order, MWDOC will be holding all upcoming Board and Committee meetings by Zoom Webinar and will be available by either computer or telephone audio as follows:**

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

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

<b>Telephone Audio:</b>	<b>(669) 900 9128 fees may apply (877) 853 5247 Toll-free</b>
<b>Webinar ID:</b>	<b>882 866 5300#</b>

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**AGENDA**

**MOMENT OF SILENCE**

**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>.

- **INTRODUCTION OF NEW EMPLOYEE**
  
- **RECOGNITION OF DIRECTOR BRETT R. BARBRE**

**NEXT RESOLUTION NO. 2099**

**CONSENT CALENDAR (Items 1 to 10)**

(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. May 6, 2020 Workshop Board Meeting
- b. May 20, 2020 Regular Board Meeting
- c. May 20, 2020 Special Board Meeting

*Recommendation: Approve as presented.*

**2. COMMITTEE MEETING REPORTS**

- a. Planning & Operations Committee Meeting: May 4, 2020
- b. Administration & Finance Committee Meeting: May 13, 2020
- c. Public Affairs & Legislation Committee Meeting: May 18, 2020
- d. Executive Committee Meeting: May 21, 2020
- e. MWDOC/OCWD Joint Planning Committee meeting: April 22, 2020

*Recommendation: Receive and file as presented.*

**3. TREASURER'S REPORTS**

- a. MWDOC Revenue/Cash Receipt Register as of May 31, 2020
- b. MWDOC Disbursement Registers (May/June)

*Recommendation: Ratify and approve as presented.*

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of April 30, 2020
- 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 April 30, 2020

*Recommendation: Receive and file as presented.*

**5. LANDSCAPE DESIGN AND MAINTENANCE ASSISTANCE PROGRAMS**

*Recommendation: Authorize the General Manager to increase funding for the Landscape Design and Landscape Maintenance Assistance Programs, using a combination of grant awards and contributions from Metropolitan, in an amount not to exceed \$420,000, through June 30, 2023.*

**6. AERIAL IMAGERY ACQUISITION AND ANALYSIS**

*Recommendation:* Authorize the General Manager to enter into Participation Agreements not to exceed \$100,000 in total with: (1) Southern California Association of Governments (SCAG)/Orange County Council of Governments (OCCOG) to purchase high-resolution aerial imagery of Orange County (\$50,000); and (2) Santa Ana Watershed Authority (SAWPA) for landscape area data analysis and measurement of irrigated area and development of water budgets by parcel (\$50,000).

**7. OPERATIONAL AREA AGREEMENT**

*Recommendation:* (1) Approve the 2020 Orange County Operational Area Agreement with the County of Orange and Political Subdivisions; and (2) Authorize the General Manager to execute the 2020 Orange County Operational Area Agreement with the County of Orange and Political Subdivisions by completing and submitting the signature page. (Attachment D)

**8. APPROVAL OF AMP CAPACITY FLOW WAIVERS FOR YORBA LINDA WD AND EOCWD DUE TO PFAS IMPACTS TO WELLS**

*Recommendation:* Approve/grant the AMP capacity flow waivers as presented.

**9. ANNUAL APPROVAL OF DISTRICT SALARY SCHEDULE**

*Recommendation:* Approve the proposed Salary Schedule, effective July 1, 2020; adjusting the District Salary Ranges by 3.07%, as approved during the budget process.

**10. RATIFY THE MET DIRECTOR SELECTION COMMITTEE APPOINTMENTS BY PRESIDENT TAMARIBUCHI**

*Recommendation:* Ratify the appointment of the MET Director Selection Committee (as appointed by the President).

**End Consent Calendar**

**ACTION ITEMS**

**11-1 CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) SEAT C – SOUTHERN NETWORK ELECTION**

*Recommendation:* (1) Review and discuss the candidates running for the CSDA Board of Directors, Southern Network, Seat C; (2) Consider supporting a candidate and directing vote; and (3) Authorize President Tamaribuchi, or his designee, to cast the District's online ballot.

**11-2 EXTENSION OF CONSULTING CONTRACT WITH ACKERMAN CONSULTING**

*Recommendation: Consider extending the contract with Ackerman Consulting for specialized services.*

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

**12. GENERAL MANAGER'S REPORT, JUNE 2020 (ORAL AND WRITTEN)**

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

**13. 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 JUNE 2020

**MWDOC  
Agencies  
Managers  
Meeting**

MWDOC held its Member Agency Managers' meeting on Thursday, May 21, 2020 via Zoom.

**In attendance were:** R. Correa – Brea, M. McGee – Buena Park, L. Ohlund - East Orange County WD, D. Cafferty – El Toro WD, M. Sprague & H. Lee – Fountain Valley, C. Pasillas – Garden Grove, B. Ragland – Huntington Beach, P. Cook & P. Weghorst – Irvine Ranch WD, J. Chavira – La Palma, J. Lopez – Moulton Niguel WD, S. Catron & M. Vukojevic – Newport Beach, M. Markus, J. Kennedy, A. Hutchinson – OCWD, D. Rebensdorf & L. Brotman – San Clemente, D. Ferons & J. Leach – Santa Margarita WD, J. Vilander – Serrano WD, F. Paludi – Trabuco Canyon WD, M. Grisso – Tustin, S. Miller – Westminster, R. Weston – Yorba Linda WD, M. McWade - Fullerton

**Staff in attendance were:** R. Hunter, H. Baez, M. Baum-Haley, J. Berg, C. Busslinger, D. Micalizzi, K. Seckel, H. De La Torre, V. Osborn, C. Lingad

**Information/Discussion Items:**

- COVID-19 Update
- MWDOC Budget
  - Timing of the discussions for:
  - Economic Benefit Studies
- MWDOC Member Agency Broader Issues Discussion
- SWRCB Proposed Water Loss Standard
- MWDOC Water Loss Shared Service
- Metropolitan IRP Process Update

Next meeting will tentatively be held June 18, 2020

**Meetings**

- Charles Busslinger, Cathy Harris, & Chris Lingad participated in a Zoom meeting on May 5, 2020 with consultant IDS to discuss their involvement through each phase of the Admin building seismic retrofit and remodel.
- Chris Lingad attended a meeting on May 7, 2020 with SCWD, MET and Woodbridge HOA to discuss site details of SCWD's CM-10 rehab project.
- Charles Busslinger and Chris Lingad participated in a conference call on May 7, 2020 with MWDOC owner's representative ABS Consulting and OCWD to discuss power management and HVAC details for the admin building rehab.
- Chris Lingad coordinated a site visit of the MWDOC admin building with owner's representative ABS on May 18, 2020. During the walkthrough, ABS assessed the building and compared it to the current plan set. An updated constructability review will be provided.
- Charles Busslinger attended the May 12, 2020 San Juan Basin Authority (SJBA) Board meeting. The SJBA Board is currently discussing the status of SJBA and any updates needed for this nearly 50-year-old joint powers agency that manages

<p><b>Meetings – continued</b></p>	<p>and protects groundwater in the San Juan Creek watershed in South Orange County. Discussions will continue at the June 2020 meeting.</p> <ul style="list-style-type: none"> <li>• Rob Hunter, Karl Seckel, and Charles Busslinger attended the May 15, 2020 Santa Ana Regional Water Quality Control Board Zoom workshop on the proposed Poseidon Desalination Project and the ‘need for water’. Karl Seckel presented sources of water for Orange County, alternative definitions of “need” for a water supply project and the role of water agencies, Urban Water Management Plans, non-mandated planning documents, and what was and was NOT in the 2018 OC Water Reliability Study</li> <li>• Karl Seckel and Charles Busslinger attended the May 18, 2020 SCWD Engineering &amp; Operations Committee Zoom meeting. The request for approval to conduct an alternative study to the Doheny Desalination Project was discussed.</li> <li>• Charles Busslinger attended the May 20, 2020 Salinity Economic Impact Model (SEIM) Go-to-Meeting training session conducted by the US Bureau of Reclamation. The model is an update from the 1999 model. Charles Busslinger is currently working on opportunities to make additional modifications to the model to bring the model to the retail agency level to allow for individual project analyses at the retail agency level to better quantify salinity damages/salinity control benefits for each retail agency.</li> <li>• Charles Busslinger attended the May 22, 2020 Urban Water Management Plan Request for Proposals Zoom meeting with potential consultants to discuss details of the upcoming 2020 UWMP project.</li> <li>• Charles Busslinger attended a May 26, 2020 meeting with MET staff to discuss possible modifications to the Salinity Economic Impact Model (SEIM). This is an on-going effort to make the SEIM more relevant to our member agencies in the ability to quantify salinity damages/salinity control benefits.</li> <li>• Karl Seckel was selected by Dr. Sunni Jiang from UCI to participate in a 6-month Roadmap Team Process for Municipal Water under the National Alliance for Water Innovation (NAWI). Municipal Water is one of five roadmaps, the others being Power, Resource Extraction, Industrial and Agriculture. NAWI is a U.S. Department of Energy-funded Innovation Hub awarded to Lawrence Berkeley National Laboratory in Berkeley, California to conduct early-stage research on desalination and associated water-treatment technologies to secure affordable and energy-efficient water supplies for the United States from nontraditional water sources (<a href="https://www.nawihub.org/">https://www.nawihub.org/</a>). NAWI’s five-year research program will consist of collaborative early-stage applied research projects involving DOE laboratories, universities, federal agencies, and industry partners.</li> </ul> <p>The Municipal Water Roadmap Team will help identify and establish future research priorities for NAWI, focusing particularly on the needs and opportunities within the Municipal sector. The road mapping effort will include engagement with stakeholders through interviews, workshops, and surveys. Each core team is composed of 6 members from industry, university, national labs, federal agencies and end users/decision maker (my role) for municipal water planning in Southern California region.</p>
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<p><b>Meetings – continued</b></p>	<p>NAWI was selected in 2019 to support the U.S. Department of Energy’s Energy-Water Desalination Hub. Along with co-founding laboratories Oak Ridge National Laboratory in Tennessee and the National Renewable Energy Laboratory in Colorado, NAWI brings together a world-class team of industry and academic partners to examine the critical technical barriers and research needed to radically lower the cost and energy of desalination. UCI is a university partner in this process.</p> <p>NAWI is composed of the founding Research Consortium (four DOE national labs, 10 industry partners, 19 leading U.S. research universities), a Research Advisory Council, an Industry Advisory Council, and the NAWI Alliance, an open-membership organization.</p> <p>DOE is expected to support the Hub with \$100 million in funding over five years, with an additional \$34 million in cost-share contributions from public and private stakeholders.</p> <p>NAWI’s focus is on early-stage research on desalination and associated water-treatment technologies to secure affordable and energy-efficient water supplies for the United States from nontraditional water sources.</p> <p>Major partners include:</p> <ul style="list-style-type: none"> <li>• Electric Power Research Institute</li> <li>• US Department of Energy, Office of Energy Efficiency and Renewable Energy</li> <li>• Water Research Foundation</li> <li>• California Department of Water Resources</li> <li>• Lawrence Berkeley National Laboratory</li> <li>• Oak Ridge National Laboratory</li> <li>• National Renewable Energy Laboratory</li> <li>• National Energy Technology Laboratory</li> <li>• 19 founding university partners</li> <li>• 10 founding industry partners</li> </ul>
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## MET ITEMS CRITICAL TO ORANGE COUNTY

**MET's  
Finance and  
Rate Issues**

At the May 11 Finance and Insurance Committee meeting, MET Staff gave a third quarter financial review (July to March). The presentation noted that Projected Total Revenues were projected to end \$265.5 million less than budget. This is primarily due to lower than anticipated water sales. Similarly, the expenses are projected to reduce by \$255.3 due to lower State Water Contractor costs, debt service, demand management, and repair and replacement expenses; as shown below. Nonetheless, the projected net revenue is still expected to exceed the projected total expenses resulting in a slight increase in net reserves; from \$460.1 million to \$487.2.

<b>FY 19/20 Revenues</b>				
March 31, 2020 (\$ in millions)				
	YTD Actual	FY Projected	FY Budget	Variance
Water	\$ 891.0	\$ 1,237.9	\$ 1,528.5	\$ (290.6)
RTS	100.5	134.5	134.5	-
Capacity Charge	22.9	30.5	31.2	(.7)
Power	14.9	19.1	19.1	-
Taxes, net	107.5	143.4	118.1	25.3
Interest	15.1	18.3	17.8	.5
Other	7.0	11.5	11.5	-
<b>Total Revenues</b>	<b>\$ 1,158.9</b>	<b>\$ 1,595.2</b>	<b>\$ 1,860.7</b>	<b>\$ (265.5)</b>

<b>FY 19/20 Expenses</b>				
March 31, 2020 (\$ in millions)				
	YTD Actual	FY Projected	FY Budget	Variance
State Water Contract	\$ 457.4	\$ 517.9	\$ 589.5	\$ 71.6
Supply Programs	60.9	73.3	54.4	(18.9)
CRA Power Costs	24.8	39.5	53.0	13.5
Debt Service	272.0	283.4	330.9	47.5
Demand Management	35.2	47.2	85.8	38.6
Departmental O&M	359.6	496.4	496.4	-
R&R/General Fund	28.2	30.0	120.0	90.0
California WaterFix	-	-	13.0	13.0
<b>Total Expenses</b>	<b>\$ 1,238.1</b>	<b>\$ 1,487.7</b>	<b>\$ 1,743.0</b>	<b>\$ 255.3</b>

<p><b>Colorado River Update</b></p>	<p><b><u>Metropolitan and Southern Nevada Water Authority Sign Letter of Intent</u></b></p> <p>In March, Metropolitan and the Southern Nevada Water Authority (SNWA) took a historic first step towards partnering together to develop a Regional Recycled Water Program (RRWP) by signing a Letter of Intent (LOI). Metropolitan and SNWA have a long history of working together to enhance Colorado River supplies, and this LOI furthers that effort. In the LOI, Metropolitan and SNWA agree to build on the existing cooperative working relationship in order to lay the foundation to further the goal of developing the RRWP. This effort will lead to a joint development agreement that provides the scope and terms of contributions and allocations, if the RRWP is finalized and approved by Metropolitan’s Board of Directors and other conditions are met. Metropolitan and SNWA anticipate that the development agreement will describe the scope of the project, including studies, planning, and construction; allocate resources provided by each party; commit the parties to future water distributions upon project completion; and provide for the parties to cooperate regarding any necessary regulatory changes.</p> <p><b><u>Paradox Valley Unit to Resume Brine Injection Operations</u></b></p> <p>The U.S. Bureau of Reclamation (Reclamation) notified cooperating agencies of its intent to begin a six- month test of decreased injection well operations at the Paradox Valley Unit in April. The injection well has been shut down for more than a year, since an earthquake occurred in that area more than a year ago. During this test, Reclamation will capture and dispose of brine at a reduced injection rate of 68 percent. Reclamation plans to closely monitor the injection pressure and seismic response near the well. If any abnormal responses are observed, Reclamation will shut down well operations for evaluation. Reclamation will use data collected during the test to decide how to operate the well in the future. This level of operation could capture and inject approximately 63,000 tons of salt per year.</p> <p><b><u>Bard Seasonal Fallowing Program Update</u></b></p> <p>Metropolitan and Bard Water District (Bard) launched the Bard Land Management and Seasonal Fallowing Program (Program) on April 1, following the execution of agreements with four farmers within the Bard Unit in March. Metropolitan has since performed an inspection of the fallowed land. The total enrolled acreage for the 2020 Fallowing Season is approximately 2,750 irrigable acres, which will occur from April 1 to July 31, 2020. By providing an annual incentive of \$452 per irrigable acre fallowed, Metropolitan will issue a total payment of \$1.26 million for this year’s fallowing season. In addition to the payments to participating farmers, Bard will receive an estimated payment of \$326,000, which includes \$15,000 for direct program costs and system improvements. Metropolitan anticipates that it will receive about 5,500 acre-feet of Colorado River supply under this program this year.</p> <p>Bard and Metropolitan are amending the original agreement within the authority provided by Metropolitan’s Board. To ensure Metropolitan only provides funding to lands that could have been otherwise irrigated; the amendment defines which acres within the Bard Unit are “fallowable” and therefore eligible for participation in the Program. The amendment also clarifies Metropolitan’s method of calculating fallowed acreage for the Program.</p>
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<p><b>Colorado River Update - continued</b></p>	<p><b><u>Reclamation begins 2007 Interim Guideline Review</u></b></p> <p>In March, Reclamation hosted a webinar to outline the process that the Department of Interior, acting through Reclamation, will follow to complete its formal review for evaluating the effectiveness of the 2007 Interim Guidelines (Guidelines) for the operation and management of the Colorado River. In the Record of Decision that adopted the Guidelines, the Secretary of the Interior is to initiate the review no later than December 31, 2020, in consultation with the Colorado River Basin States. In the webinar, Reclamation explained that they would focus the review on how well the Guidelines performed for the purposes identified in the Record of Decision, including providing the operations of Lake Powell and Lake Mead, greater certainty in water supplies, and the incentives to conserve and store water in Lake Mead. They plan to complete their review by the end of 2020. There will be two opportunities for the public to provide input: (1) during the current initial scoping process in April and May 2020, and (2) after the preliminary draft report is issued this summer. Metropolitan is coordinating with other agencies to develop a single comment letter from the Basin States to Reclamation.</p>
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## ENGINEERING & PLANNING

<p><b>Doheny Ocean Desalination Project</b></p>	<p>South Coast Water District (SCWD) continues working on the project:</p> <ul style="list-style-type: none"> <li>• SCWD submitted their NPDES permit application on March 13, 2020. SCWD anticipates approval of the NPDES permit in the Fall 2020. The next step would be the Coastal Commission with a permit anticipated in Feb 2021.</li> <li>• Work is progressing on the Financial Analysis for a 2 mgd and 5 mgd scenario. A workshop is currently being planned.</li> <li>• Work is also progressing on an Alternative Energy Study for the project. A draft report for SCWD staff review is expected in May 2020.</li> </ul> <p>SCWD staff is now also proposing to evaluate alternative project options that meet reliability benefits for SCWD similar to the Doheny Desalination Project, along with reducing overall life-cycle costs in light of the uncertain economic situation moving forward due to the COVID-19 pandemic.</p> <p>The Doheny Desalination Project is currently sized at a capacity of up to 5 MGD, which exceeds SCWD’s average potable water demand expected during emergencies. SCWD has only received interest from SMWD for about 1 mgd of supply from Doheny. This leaves South Coast with potential capacity for others in a 5 MGD facility. Based on this, along with regional financial hardships caused by the COVID-19 pandemic and potential economic recession, SCWD believes that it is necessary to consider alternative and potentially lower cost project options, to utilize and potentially expand existing assets as a means to meet their reliability needs.</p> <p>This new study will review design parameters and existing conditions at SCWD’s existing Groundwater Recovery Facility (GRF), to obtain a comprehensive understanding of actual production capacity of the GRF and current limitations and reliability concerns. A range of additional water production volumes needed to maintain emergency reliability for SCWD would be developed. Current estimates are</p>
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<p><b>Doheny Ocean Desalination Project – continued</b></p>	<p>that 1.2 to 2.2 mgd of additional reliability will be needed for SCWD based on a GRF production volume of 0.8 mgd</p>
<p><b>SMWD San Juan Watershed Project</b></p>	<p>Santa Margarita WD continues to focus on diversifying its water supply portfolio for south Orange County residents, businesses, schools, and visitors through the San Juan Watershed Project.</p> <p>The original project had three Phases; Phase 1 was three rubber dams recovering about 700 AFY; Phase 2 added up to 8 more rubber dams with the introduction of recycled water into the creek to improve replenishment of the basin for up to 6,120 AFY, and Phase 3 added more recycled water topping out at approximately 9,480 AFY. Under this arrangement, most or all of the production and treatment involved the existing San Juan Groundwater Desalter with expansions scheduled along the way to increase production beyond 5 mgd. Fish passage and regulatory hurdles to satisfy subsurface travel time requirements are being tackled.</p> <p>SMWD is working with the Ranch on the next phase of development within SMWD and have access to riparian groundwater from the Ranch. Furthermore, they have discovered that the local geology has high vertical percolation rates and sufficient groundwater basin travel time to potentially allow percolation of treated recycled water with an ability to meet the required travel time. SMWD is of opinion that groundwater production and treatment of the groundwater can be initiated in a relatively short time-frame while permitting for percolation augmentation using recycled water from the nearby Trampas reservoir can be added as permitting allows. SMWD believes the new project area may be able to ultimately produce 4,000 to 5,000 AF per year; they believe the original project will continue to be developed for production out of the wells and treatment provided by San Juan Capistrano as the two agencies merge. Ultimate production out of the basin could exceed 10,000 AF per year if all goes well.</p>
<p><b>Local Supply Integration</b></p>	<p>On May 21, 2020, the MWDOC Board approved the staff recommendation to authorize the General Manager to enter into a professional services agreement with Black &amp; Veatch to build and calibrate an OC regional distribution hydraulic model. Black &amp; Veatch proposes to complete the hydraulic model before the end of the calendar year.</p>
<p><b>South Orange County Emergency Service Program</b></p>	<p>MWDOC, IRWD, and Dudek have completed the 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>Dudek participated in the November 6, 2019 SOC workshop to re-engage with the SOC agencies on this project. Support from the agencies was expressed to take a small next step to install Variable Frequency Drives at a pump station within IRWD, which would be paid for by SOC to help move water from the IRWD system to SOC in an emergency. The Variable Frequency Drives will provide more flexibility to the IRWD operations staff to allow additional water to be sent to SOC while meeting all of the IRWD needs.</p>

<p><b>Strand Ranch Project</b></p>	<p>MWDOC and IRWD are continuing to exchange ideas on how to implement the program to capture the benefits that can be provided by the development of “extraordinary supplies” from the Strand Ranch Project. Staff from MWDOC and IRWD are continuing to discuss methods of quantifying the benefits of the program.</p>
<p><b>Poseidon Resources Huntington Beach Ocean Desalination Project</b></p>	<p>The Santa Ana Regional Water Quality Control Board (SARWQCB) continues to work with Poseidon on renewal of the National Pollutant Discharge Elimination System (NPDES) Permit for the proposed HB Desalination Project.</p> <p>The renewal of the NPDES permit for the proposed desalination facility requires a California Water Code section 13142.5(b) determination in accordance with the State’s Ocean Plan (a.k.a. the Desalination Amendment). To make a consistency determination with the Desalination Amendment, the Regional Board is required to analyze the project using a two-step process:</p> <ol style="list-style-type: none"> <li>1. Analyze separately as independent considerations, a range of feasible alternatives for the best available alternative to minimize intake and mortality of all forms of marine life:             <ol style="list-style-type: none"> <li>a. Site</li> <li>b. Design</li> <li>c. Technology</li> <li>d. Mitigation Measures</li> </ol> </li> <li>2. Then consider all four factors collectively and determine the best combination of feasible alternatives.</li> </ol> <p>Regional Board staff reviewed hundreds of documents and input from both an independent reviewer and a neutral 3rd party reviewer to develop Tentative Order R8-2020-0005.</p> <p>The key areas required by the Ocean Plan on which the Santa Ana Water Board is required to make a determination, includes:</p> <ul style="list-style-type: none"> <li>• Facility onshore location;</li> <li>• Intake considerations including subsurface and surface intake systems;</li> <li>• Identified need for the desalinated water;</li> <li>• Concentrated brine discharge considerations;</li> <li>• Calculation of the marine life impacts; and</li> <li>• Determination of the best feasible mitigation project available.</li> </ul> <p>In evaluating the proposed project, Santa Ana Regional Board staff interpreted “the identified need for the desalinated water” as whether or not the project is included in local area water planning documents, rather than a reliability need as analyzed in the OC Water Reliability Study. The Regional Board staff referenced several water planning documents; 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 in their evaluation of Identified Need.</p> <p>On December 6, 2019, SARWQCB, Regional Board staff conducted a workshop in Huntington Beach that was heavily attended with a considerable range of views</p>

<p><b>Poseidon Resources Huntington Beach Ocean Desalination Project - continued</b></p>	<p>expressed at the meeting. Several of the SARWQCB members were somewhat confused about the evaluation of "Identified Need" for the project (inclusion in local water planning documents vs. an identified reliability need for the project) and requested staff to help them understand the issue better.</p> <p>On May 15, 2020, SARWQB held a second workshop, which focused on the identified need for the desalinated water and marine life mitigation requirements. Karl Seckel presented to the Regional Board on a number of topics including MWDOC's role in Orange County, alternative definitions of "need" for a water supply project and the role of water agencies, Urban Water Management Plans, non-mandated planning documents, and what was and was NOT in the 2018 OC Water Reliability Study.</p> <p>Assuming success at the Regional Board in July, Poseidon would then seek its final permits from the California Coastal Commission (CCC). The CCC has committed to reviewing the permit within 90 days of the SARWQCB NPDES permit issuance.</p>
<p><b>Trampas Canyon Dam and Reservoir</b></p>	<p>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.</p> <p>The construction of the Trampas Canyon Recycled Water Seasonal Storage Reservoir consists of three main components:</p> <ol style="list-style-type: none"> <li>1. Trampas Canyon Dam (Dam)</li> <li>2. Conveyance facilities to transport recycled water into and out of the Reservoir (Pipelines)</li> <li>3. Trampas Canyon Pump Station (Pump Station)</li> </ol> <p>The construction of the facilities is being completed in three phases:</p> <ol style="list-style-type: none"> <li>1. Preconstruction/Site Preparation for the Dam and Pump Station Construction             <ol style="list-style-type: none"> <li>a. Project Status - Complete</li> </ol> </li> <li>2. Dam and Pipelines             <ol style="list-style-type: none"> <li>a. Project Status - The Construction Contract was awarded in December 2017 and is approximately 85% complete.</li> </ol> </li> <li>3. Pump Station             <ol style="list-style-type: none"> <li>a. Project Status - The pump station construction began in January 2020 and will continue through September.</li> </ol> </li> </ol> <p>The project is currently projected to conclude before early-October 2020.</p>
<p><b>AMP Shutdown in Early 2021 to Replace PCCP Sections</b></p>	<p>MWDOC staff was notified that the recent internal inspection of the AMP, which included an electromagnetic survey of the pipeline, revealed two pipe segments with increased wire breaks within the PCCP portion South of OC-70. Metropolitan Engineering considers this section of the pipeline high-risk, which will require relining. The minimum relining length needed would be approximately 1,000 feet,</p>

<p><b>AMP Shutdown in Early 2021 to Replace PCCP Sections-continued</b></p>	<p>which would require a minimum 1-month shutdown only South of OC-70. A longer shutdown duration would allow Metropolitan to reline approximately 3,300 feet, which would reduce the number of shutdowns needed for future relining of the entire PCCP portion of the AMP and would reduce the overall construction and shutdown costs. MET had originally scheduled the AMP PCCP relining to begin in 5 years, but based on the survey, the relining of this initial section has been accelerated.</p> <p>MWDOC staff coordinated a meeting with all AMP participants on May 13, 2020 to discuss the options for the proposed shutdown.</p> <p>MWDOC staff will continue to work with MET to determine the best time for the shutdown to occur based on the risk determination.</p> <p>Staff will continue working with affected agencies and will keep both the Board and the AMP Participants informed as more information becomes available.</p>
<p><b>Other Shutdowns</b></p>	<p>MET is planning a relining of the Orange County Feeder from Bristol Ave to Corona Del Mar – this is the last section of this pipeline to be lined.</p> <p>MET has scheduled a shutdown of the Second Lower Feeder just below the Diemer Treatment Plant because a recent pipeline survey identified increased wire breaks in the PCCP sections that require an accelerated replacement schedule. The shutdown is scheduled for June 22, 2020 through September 7, 2020 and will impact Golden State Water Company's service connection OC-56. MWDOC and GSWC have been coordinating with MET on this proposed shutdown.</p> <p>SCWD is planning a rehabilitation project for their CM-10 service connection in early 2021. We are coordinating with MET and SCWD so the above referenced AMP shutdown and this project do not overlap.</p>

## EMERGENCY PREPAREDNESS

<p><b>COVID-19 (Corona Virus) Coordination</b></p>	<ul style="list-style-type: none"> <li>• Information is shared with WEROC Member Agencies as it becomes available. This includes responding to many questions revolving around testing. The Orange County Health Care Agency is supposed to provide guidance to the Board of Supervisors on the issue of testing. The County resumption plan and the CEO is supposed to provide an outline on the County's plan for the CARES Act.</li> <li>• WEROC was holding conference calls on Tuesdays and Thursdays each week with the agencies to share information, logistics coordination, recovery questions and advance planning for business resumption based on a phased approach. As of the week of 5/18/20, these calls are on Thursdays only.</li> <li>• WEROC is coordinating logistics and supporting agencies with resource requests. This includes distribution of free face coverings received from EPA via Calwarn. There are three dispensing sites and WEROC has distributed over 4,105 masks to date. There are two more scheduled drop offs as of the date of this report. Once Orange County requests are filled, remaining masks will be distributed to California agencies with unfilled requests.</li> <li>• Majority of water and wastewater agencies are maintaining alternative work schedules or processes to protect critical and essential functions.</li> </ul>
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<p><b>COVID-19 (Corona Virus) Coordination - continued</b></p>	<ul style="list-style-type: none"> <li>• WEROC remains in contact with County Emergency Operations Center and the Orange County Health Care Agency. WEROC is participating in the weekly Operational Area Conference Calls held on Thursdays.</li> <li>• There are no changes to water and wastewater treatment and disinfections. WEROC is monitoring the CDC for updates.</li> <li>• WEROC is supporting agencies with recovery questions and cost tracking in relation to State and FEMA public assistance grant programs. The process for this event has been expedited. The standard process to assign project managers from the State, FEMA and scoping meetings is not occurring. FEMA conducted Applicant Briefings the week of May 18, 2020. All agencies who have submitted a Request for Public Assistance received direct emails from CalOES. WEROC shared this information with the agencies who have not yet submitted their Request for Public Assistance.</li> <li>• WEROC is monitoring the Heroes Act and the possible inclusion of infrastructure funding and payroll protections. This bill is moving slowly and its anticipated release is not until June or July.</li> </ul>
<p><b>Communication &amp; Coordination with WEROC Member Agencies</b></p>	<ul style="list-style-type: none"> <li>• WEROC followed up with SCWD and Laguna Beach Water after the May 7, 2020 incident where diesel fuel <u>spilled from the tank of a Mission Hospital Laguna Beach generator</u>. There were no needs voiced from either agency. An unspecified amount of diesel fuel made it into the sewer system. Additionally, there was spill that accumulated on the beach area in Laguna Beach. The Coast Guard assumed oversight of the cleanup and the city is coordinating with them.</li> <li>• Daniel is working with EBCD and TCWD on the procurement of additional radios for the WEROC radio system.</li> </ul>
<p><b>WEROC Program Assessment</b></p>	<ul style="list-style-type: none"> <li>• A written review of the WEROC Program Assessment was due in April. COVID-19 has delayed this process. Vicki is diligently working on this assessment. In hindsight, COVID-19 and the AWIA process has allowed Vicki to thoroughly analyze the current processes. She has also conducted interviews with employees, used governing documents and national standards to perform her assessment. Finally, Vicki sent a survey to member agencies on June 1. This survey will evaluate WEROC’s response to COVID-19 to date. Information gathered from this survey will be included in the Assessment document. The timeline for completion is July 2020.</li> </ul>
<p><b>America’s Water Infrastructure Act (AWIA)</b></p>	<ul style="list-style-type: none"> <li>• WEROC and its consultant, Herndon Solutions Group (HSG) are continuing to work with WEROC agencies to achieve compliance with America’s Water Infrastructure Act (AWIA).</li> <li>• We have begun the Tier I virtual meetings to begin the revision of the Emergency Response Plans. These plans are due in September.</li> <li>• Tier II Agencies have begun their virtual meetings for the Risk and Resiliency Assessments (RRA). RRAs are due December 2020</li> <li>• There are 18 Tier I and II agencies working on AWIA.</li> <li>• The modified AWIA Scope of Work reflects the changes to the project.</li> </ul>



<p><b>Public Safety Power Shutoff (PSPS) and CA Public Utilities Commission Hearings</b></p>	<ul style="list-style-type: none"> <li>• MWDOC has received party status to the California Public Utilities Commission (CPUC) proceedings regarding the Impacts from De-Energization with a Focus on First Responders and Local Government. Party Status ensures that MWDOC receives all communications regarding the proceedings and that our comments are included officially for consideration.</li> <li>• WEROC provided comments on May 14, 2020 on the updated procedures released by the CPUC. MWDOC's comments pertained to emergency backup power, testing of generators, exercises and release of information and notifications to partner agencies.</li> </ul>
<p><b>Coordination with County of Orange and Outside Agencies</b></p>	<ul style="list-style-type: none"> <li>• WEROC continues to support California Water/Wastewater Agency Response Network (CalWarn). There has been 12 new members added since March 26.</li> <li>• OCEMO for May was cancelled.</li> <li>• Vicki attended the Operational Area Executive Board Meeting on 5/13/20.</li> <li>• The County Operational Area Agreement went out to all political jurisdictions following the approval at the March Board Meeting. The agreement will go into effect September 2020.</li> </ul>
<p><b>Training and Exercises</b></p>	<ul style="list-style-type: none"> <li>• All of Basic SEMS and NIMS courses were approved by the state. These courses had to be cancelled due to COVID-19. Vicki is working on offering SEMS/NIMS training virtually to members. This is dependent on state approval.</li> <li>• The June ICS 400 class offered by TEEX was cancelled.</li> <li>• Communication tests conducted in conjunction with the County 800 MHz system were for April and May. Member agencies can still reach out to WEROC if they want to test their systems during this time.</li> </ul>
<p><b>WATER USE EFFICIENCY</b></p>	
<p><b>State Water Resources Control Board (SWRCB) Water Loss Standards Proposal</b></p>	<p>On May 8 and 13 and June 12, Joe Berg and Rachel Davis participated in a series of conference calls hosted by the California Municipal Utilities Association (CMUA), SWRCB, and the Association of California Water Agencies (ACWA) respectively to discuss SWRCB's updated water loss standards proposal. The calls represented a beneficial opportunity to learn about the proposal from SWRCB staff and peers. The CMUA and ACWA meetings also focused on the development of comment letters from the associations and a template letter for retail water agencies to use to develop comment letters of their own. Staff provided these comment letters to all member agencies and strongly encouraged them to submit letters of their own. The comment deadline was extended to June 12 at noon.</p>
<p><b>Orange County Water Loss Control Workgroup Meeting</b></p>	<p>On May 12, Joe and Rachel D. hosted the Orange County Water Loss Control Workgroup meeting via Zoom. Approximately 32 agency staff attended this meeting. Items on the agenda included:</p> <ul style="list-style-type: none"> <li>• Updates on:             <ul style="list-style-type: none"> <li>○ Technical Assistance Exhibit</li> <li>○ Shared Services Exhibit</li> </ul> </li> </ul>

<p><b>Orange County Water Loss Control Workgroup Meeting - continued</b></p>	<ul style="list-style-type: none"> <li>• Pipeline Condition Assessment – David Spencer, HDR</li> <li>• Water Loss Standards Update and Discussion</li> <li>• Discussion and Questions</li> </ul> <p>The next workgroup meeting is scheduled for July 14 via Zoom.</p>
<p><b>City of Orange Leak Detection Survey Wrap-Up Meeting</b></p>	<p>On May 14, Joe, Rachel D., Jason Thorsell, and Austin Blair met via Zoom with staff from the City of Orange to discuss the results of the Leak Detection Survey performed by MWDOC. Emphasis was placed on making timely repairs, measuring leak flow rates, and compiling the cost of repairs. MWDOC surveyed 30 miles of water main, including water services. The survey began April 30 and concluded May 8.</p>
<p><b>California Water Efficiency Partnership (CalWEP) Research and Evaluation Committee</b></p>	<p>On May 14, Rachel Waite attended the Research and Evaluation Committee Meeting hosted by CalWEP. Approximately 20 people from 15 agencies joined the meeting. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• UC Davis Center for Water-Energy Efficiency Project, Agency Survey, and Energy Optimization Report</li> <li>• Updates and Reports             <ul style="list-style-type: none"> <li>○ AWE Research Committee</li> <li>○ Evaluation and Measurement Standard Metric Progress</li> <li>○ Framework Joint Task Force</li> <li>○ Program Committee</li> </ul> </li> <li>• Research Committee Work Plan Review</li> <li>• Best Management Practices Review Process</li> <li>• Member Research Uploads</li> </ul> <p>The next meeting is scheduled for August 6.</p>
<p><b>Alliance for Water Efficiency Cooling Tower Technology Study Meeting</b></p>	<p>On May 14, Joe and Rachel W. met with Alliance for Water Efficiency staff to discuss MWDOC’s participation in the cooling tower study. Discussion included the Cooling Tower Estimating Model; work completed thus far, future steps, and participation in the Program Advisory Committee for the project.</p> <p>The next meeting will be the Cooling Tower Study Program Advisory Committee on a July date to be determined.</p>
<p><b>Yorba Linda Water District Leak Detection Survey Kickoff Meeting</b></p>	<p>On May 19, Rachel D., Joe, Jason, and Austin held a leak detection survey kickoff meeting via Zoom with Yorba Linda Water District staff. Items discussed included:</p> <ul style="list-style-type: none"> <li>• Overview of Leak Detection Approach             <ul style="list-style-type: none"> <li>○ Walking Survey</li> <li>○ Validations</li> </ul> </li> <li>• Survey Area, Schedule, and Scope</li> <li>• Reporting, questions and concerns</li> </ul>

<p><b>Qualified Water Efficient Landscaper (QWEL) Professional Certifying Organization (PCO) Meeting</b></p>	<p>On May 19, Andrea Antony attended the QWEL PCO meeting, which focused on offering online classes due to COVID-19. QWEL has formed a working group to discuss how to address challenges with online platforms. The solution proposed is to host online classes, and then do the irrigation audit and exam later. CalWEP will be hosting 20 online QWEL classes across the greater Bay Area, provide the exam online with virtual proctoring, and conduct the irrigation audit portion in the future. Metropolitan is offering online Model Water Efficient Landscape Ordinance (MWELO) classes, which sold out in 3 days. The online MWELO classes have slightly different content compared to the in-person ones, and they are surveying participants at the end. Metropolitan will share those survey responses once compiled.</p>
<p><b>Mesa Water District Leak Detection Survey Wrap-Up Meeting</b></p>	<p>On May 27, Joe, Rachel D., Jason, and Austin met via Zoom with staff from Mesa Water District to discuss the results of the Leak Detection Survey performed by MWDOC. Emphasis was placed on making timely repairs, measuring leak flow rates, and compiling the cost of repairs. MWDOC surveyed 44.5 miles of water main, including water services. The survey began May 12 and concluded May 21.</p>
<p><b>Department of Water Resources (DWR) Residential Landscape Area Measurement Project Technical Workgroup Meeting</b></p>	<p>On June 3, Rachel W. attended the Residential Landscape Area Measurement Project Technical Workgroup hosted by DWR. The workgroup focuses on DWR’s measurement and classification of residential irrigated landscapes as they pertain to SB606 and AB1668. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>• Residential Landscape Irrigation Measurement Technical Workgroup Panel</li> <li>• Comments on DWR Parcel Classifications</li> <li>• Question and Answer Session With Panelists, Interested Parties, and the Project Technical Team</li> <li>• Validation of Aerial Interpretation of Residential Parcels</li> <li>• Confirmation of Areas of Interest</li> <li>• Verifying Measured Landscape Area Matches Water Suppliers’ Residential Accounts</li> <li>• Next Steps and Quarterly Meetings</li> </ul> <p>The next meeting is scheduled for August 20.</p>
<p><b>Orange County Water Use Efficiency Coordinators Workgroup Meeting</b></p>	<p>On June 4, Beth Fahl, Steve Hedges, Rachel W., Andrea, and Rachel D. hosted the Orange County Water Use Efficiency Coordinators Workgroup meeting via Zoom. Highlights on the agenda included:</p> <ul style="list-style-type: none"> <li>• MWDOC Updates</li> <li>• Agency Roundtable/Problem Solving</li> <li>• Water Use Efficiency Programs Update             <ul style="list-style-type: none"> <li>○ Inspections Check-In                 <ul style="list-style-type: none"> <li>▪ Survey</li> <li>▪ Update on Aerial Inspection Process</li> </ul> </li> <li>○ G3 Online Turf Removal and California Friendly Native Plant Landscape Training</li> <li>○ Program Participation Trends                 <ul style="list-style-type: none"> <li>▪ What is your Agency doing to reach out to customers during this time?</li> </ul> </li> </ul> </li> <li>• Water Use Efficiency Standards Implementation</li> </ul>

<p><b>Orange County Water Use Efficiency Coordinators Workgroup Meeting - continued</b></p>	<ul style="list-style-type: none"> <li>○ Dedicated Irrigation Meter Survey</li> <li>○ Aerial Imagery Project Status</li> <li>○ Comments on Water Loss Standard Framework Due June 9th</li> <li>● Water Loss Control Program Update                         <ul style="list-style-type: none"> <li>○ Complete and Submit Exhibits for Technical Assistance and Shared Services</li> </ul> </li> <li>● 2020 Urban Water Management Plan Update</li> <li>● CalWEP Update</li> </ul> <p>The next meeting is scheduled for August 6.</p>
<p><b>Orange County Data Acquisition Partnership (OCDAP) and Working Group Meeting</b></p>	<p>On June 8, Rachel W. and Steve participated in an OCDAP working group meeting to discuss the acquisition of high-quality aerial imagery for Orange County. The working group consists of eight agencies: Southern California Association of Governments (SCAG); Center for Demographic Research (CDR); Orange County Council of Governments (OCCOG); Orange County Water District (OCWD); Orange County Fire Authority (OCFA); Santa Ana Watershed Project Authority (SAWPA); City of Yorba Linda, and MWDOC. Topics discussed included the effort’s progress and next steps, along with the anticipated timeline.</p> <p>The next meeting is scheduled for July 6.</p>
<p><b>Proposition 1 Storm Water Grant Application Process: Orange County Storm water Resource Plan Workshop</b></p>	<p>On June 9, Rachel W. attended a Proposition 1 Storm Water Grant Application Process: Orange County Storm water Resource Plan (OC SWRP) Workshop hosted by the County of Orange. Approximately 40 stakeholders from various cities and water agencies across the county attended the workshop. Topics on the agenda included:</p> <ul style="list-style-type: none"> <li>● Proposition 1 Storm Water Grant Program Overview</li> <li>● OC Storm water Resource Plan Overview</li> <li>● OC Storm water Resource Plan Project List Submittal Process</li> <li>● Project Proponent Project Assessment and Evaluation Plan (PAEP) Assistance (from the Southern California Storm water Monitoring Coalition)</li> </ul> <p>Project submittals are due by June 30, and dates of future meetings or workshops have not been posted.</p>

## PUBLIC/GOVERNMENT AFFAIRS

<p><b>Member Agency Relations</b></p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>● Judged and announced winners for 2020 Water Awareness Poster Contest</li> <li>● Met with Mesa Water and Mountain Counties Water to discuss virtual tours of “Forest to Faucets”</li> <li>● Participated in multiple County Wide COVID-19 coordination conference calls</li> </ul> <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>● Participated in the MWDOC Member Agency Managers meeting</li> <li>● Worked with Christina Hernandez to create a “shovel ready” project list of projects in Orange County to share with MWD and ACWA</li> </ul>
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<p><b>Member Agency Relations - continued</b></p>	<ul style="list-style-type: none"> <li>• Provided an update on SB 625 (Bradford) to the OC Met Managers meeting attendees</li> </ul>
<p><b>Community Relations</b></p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Created and published June 2020 Issue of the MWDOC eCurrents Newsletter</li> <li>• Launched Chalk the Walk Art Contest for Orange County K-12 students. Theme: Saving Water at Home Together</li> <li>• Met with Metropolitan Water District of Southern California to discuss virtual tours, scouts programs, and education program transitions</li> <li>• Participated in an Orange County Business Council Workforce Development Committee meeting</li> </ul> <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Participated in the Metropolitan Water District of Southern California's member agency shutoffs working group meeting</li> </ul>
<p><b>Education</b></p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Presented at bi-weekly Metropolitan Water District of Southern California's Member Agency Education Coordinators' Meeting</li> <li>• Participated in Department of Water Resources monthly Water Education Committee Meeting</li> <li>• Met with education partners—Orange County Department of Education and State Education and Environment Roundtable—to discuss next steps for MWDOC Choice School Programs and continue work to revise program goals to meet state standards</li> <li>• Worked with MWDOC Choice School Programs contractors to produce online video resources for Orange County K-12 students</li> <li>• Met with Elsinore Valley Water District education representative to discuss online water education resource opportunities</li> <li>• Met with North County Regional Occupational Programs, and also Saddleback Community College and Santiago Canyon College to discuss creation of an Orange County Water and Energy Workforce advisory</li> <li>• Met with Harbor Freight Fellows to discuss opportunities for the Water Energy Education Alliance (WEEA)</li> <li>• Created a WEEA webpage for more information and sponsorships</li> <li>• Met with Ten Strands to discuss support of WEEA</li> <li>• Met with Ten Strands to discuss a funding toolbox for education initiatives</li> </ul>
<p><b>Media Relations</b></p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Fielded various calls from media related to budget and rates</li> <li>• Participated on the WaterZone NBC radio program (102.3 FM, 106.5 FM, 1050 AM)</li> </ul>

<p><b>Special Projects</b></p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Maintained and distributed an excel spreadsheet to water agencies across the state to track messaging and action items in response to COVID-19, 202 agencies participated.</li> <li>• Created additional COVID-19 visual messaging for social media on behalf of WEROC department.</li> <li>• Created and prepared recognition for upcoming retirements.</li> <li>• Created business card for incoming employee.</li> <li>• Reviewed and revised department budget making additional cuts for FY 20/21</li> <li>• Participated on a CalDesal Communications and Outreach Committee, Website Committee, and Social Media Committee meeting</li> <li>• Completed several website updates</li> </ul> <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Staffed the WACO Planning Committee Meeting via Zoom</li> <li>• Met with LAFCO staff to receive an update on MWDOC's MSR</li> <li>• Participated in the WACO Planning practice/logistics meeting with staff and presenters</li> <li>• Staffed the ISDOC Executive Committee meeting</li> <li>• Provided requested documents and information to LAFCO for the MWDOC MSR</li> <li>• Staffed the June WACO Committee Meeting featuring speaker Karla Nemeth</li> </ul>
<p><b>Legislative Affairs</b></p>	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> <li>• Participated in the ACWA Region 10 State Legislative Committee prep call</li> <li>• Attended the CMUA Regulatory Affairs Committee Meeting</li> <li>• Attended the CMUA Legislative Committee Meeting</li> <li>• Attended the ACWA State Legislative Committee Meetings on May 15 and June 5</li> <li>• Participated in the ACWA Bond Working Group Meeting</li> <li>• Participated in the Southern California Water Coalition Legislative Task Force Meeting (May 18 &amp; June 1)</li> <li>• Participated in the CalDesal Legislative Committee Meeting</li> <li>• Attended the CSDA Virtual Legislative Days seminars and live briefings</li> <li>• Participated in the ACWA/CMUA SB 200 Implementation Working Group Meeting (May 20 &amp; June 3)</li> <li>• Participated in the MWD Member Agency Legislative Conference Calls on May 21 &amp; June 4</li> <li>• Drafted a letter of support for SB 1386 (Moorlach)</li> <li>• Prepared a Floor Alert for SB 1386 (Moorlach)</li> <li>• Joined the SB 1386 Coalition letter</li> <li>• Drafted a letter of support for AB 2107 (Rodriguez &amp; Gray)</li> <li>• Sent out information to the Board of Directors and MWDOC/MWD Directors, re: SB 625 (Bradford)</li> <li>• Participated in the ACWA Federal Affairs Infrastructure Working Group</li> <li>• Attended the CSDA Legislative Committee Meeting</li> </ul>

<b>Legislative Affairs - continued</b>	<ul style="list-style-type: none"><li>• Monitored MWD's Communications &amp; Legislation Committee and Board meetings where they discussed SB 625 (Bradford)</li></ul>
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**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
AGENCIES MANAGERS MEETING**

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*Director*

Megan Yoo Schneider, P.E.  
*Director*

Brett R. Barbre  
*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

**ZOOM LINK:** Join Zoom Meeting  
<https://zoom.us/j/290377118>

Meeting ID: 290 377 118  
Password: 900674

Dial by your location  
(669) 900-9128 -or-  
(888) 788-0099 Toll-free

**WHEN:** Thursday, June 18, 2020 from **10:30 am to 12:00 pm.**

**DRAFT AGENDA**

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

Page #/Link

**2. Information/Discussion Items:**

2-1. Draft MWDOC Board Agendas .....	<a href="#">(Drop Box Link)</a>
2-2. COVID-19 Update	
a. Orange County Status Update	
b. MET Request – Financial Impact Questionnaire .....	<a href="#">2</a>
2-3. Metropolitan 2020 IRP Update	
a. Process Update .....	<a href="#">4</a>
b. Member Agency Engagement .....	<a href="#">11</a>
c. Member Agency Priorities.....	<a href="#">(Drop Box Link)</a>
2-4. Update on timing of the discussions for:	
a. Economic Benefit Studies	
b. MWDOC Member Agency Broader Issues	
2-5. Legislative Update	

**3. Announcements & Reminders:**

3-1. Urban Water Management Plan RFP Update.....	<a href="#">16</a>
3-2. MWDOC Water Loss Technical Assistance & Shared Services Exhibits.....	<a href="#">37</a>

**4. Report Items:**

4-1. Monthly GM Report .....	<a href="#">48</a>
4-2. Legislative Reports .....	<a href="#">66</a>
4-3. WEROC Matrix .....	<a href="#">102</a>
4-4. Grant Funding Opportunities .....	<a href="#">104</a>

**5. Next meeting will tentatively be held July 16, 2020.**



**SOUTH ORANGE COUNTY WATERSHED MANAGEMENT AREA  
MANAGEMENT COMMITTEE**

AGENDA  
June 1, 2020  
1:30 PM – 3:30 PM

---



**[WebEx Meeting](#)**

**Meeting number:** 126 910 3621

**Password:** 3DeJkFk3Y7m (33355353 from phones and video systems)

**Call-in:**+1-510-338-9438

**Shaun Pelletier**

City of Aliso Viejo

**Lisa Zawaski**

City of Dana Point

**Mary Vondrak**

City of Laguna Beach

**Ken Rosenfield**

City of Laguna Hills

**Kathy Nguyen**

City of Laguna Niguel

**Rebecca Pennington**

City of Laguna Woods

**Devin Slaven**

City of Lake Forest

**Joe Ames**

City of Mission Viejo

**Hazel McIntosh**

City of Rancho Santa Margarita

**David Rebensdorf**

City of San Clemente

**Norris Brandt**

San Juan Basin Authority

**Joe Parco**

City of San Juan Capistrano

**Grant Sharp**

County of Orange

**Dennis Cafferty**

El Toro Water District

**Mark Tetteimer**

Irvine Ranch Water District

**Rodney Woods**

Moulton Niguel Water District

**Charles Busslinger**

Municipal Water District of OC

**Dan Ferons**

Santa Margarita Water District

**Rick Shintaku**

South Coast Water District

**Betty Burnett**

South OC Wastewater Authority

**Fernando Paludi**

Trabuco Canyon Water District

**David Youngblood**

Laguna Beach County Water District

1. **Welcome & Introductions**
2. **Update: Brown Act Applicability & Meeting Format**  
*Jenna Voss & Amanda Carr, County of Orange*
3. **Update & Discussion: Aliso Creek Watershed Collaboration Group**  
*Jenna Voss & Andrew McGuire, County of Orange*
4. **Updates: Potential Water Bond Funding & Roundtable of Regions**  
*Jenna Voss*
5. **Updates: Proposition 1 IRWM & Stormwater Grants**  
*Jenna Voss*
6. **Updates: Water Quality Improvement Plan (WQIP)**  
*Cindy Rivers, County of Orange*
  - a) **Implementation of the Comprehensive Human Waste Source Reduction Strategy (CHWSRS) Work Plan and Human Waste Abatement Group** – *Michael Trapp, Vada Moon, MBI*
  - b) **Flow Ecology Study** – *Cindy Rivers*
7. **Update & Discussion: Tri-FACC Collaboration Opportunities**  
*Jenna Voss*
8. **MC Member Roundtable**  
*Committee*
9. **Next Management Committee Meeting: July 6, 2020**  
**Next Executive Committee Meeting: August 6, 2020**
10. **Closing and Adjourn**



## Executive Committee Meeting

Tuesday, June 2, 2020

7:30 a.m.

**The next meeting of the ISDOC Executive Committee will be via teleconference only. The MWDOC/OCWD offices are closed to the public. Please use the information below to access the meeting.**

Join Zoom Meeting

<https://zoom.us/j/94478831550>

Meeting ID: 944 7883 1550

Dial by your location

669 900 9128 US (San Jose)

877 853 5247 US Toll-free

888 788 0099 US Toll-free

Meeting ID: 944 7883 1550

### AGENDA

- I. Welcome, Introductions – 7:30 am**  
**[Please silence cell phones]**
- II. Approval of Minutes – 7:35 am**
  - Consider approval of the minutes for the April 7, 2020 meeting.
- III. Public Comments on items not on the agenda- 7:40 am**
- IV. New Business – 7:45 am**
- V. Old Business – 7:55 am**
  - Update on ISDOC LAFCO Dues Formula
- VI. Treasurer’s Report – 8:00 am – Director Finnegan**
  - Report of accounts.
  - Mobile banking for hard checks.
- VII. CSDA Report – 8:05 am – Director Schafer**
  - Receive, discuss and file the CSDA Report
- VIII. LAFCO Report – 8:10 am – Director Fisler**
  - Receive, discuss and file the LAFCO report
- IX. ACWA Report – 8:15 am – Director Jacobs**
  - Receive, discuss and file the ACWA report.

#### 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](http://www.mwdoc.com/isdoc)

#### Executive Committee

##### President

Hon. Sandra Jacobs  
*Santa Margarita Water District*

##### 1<sup>st</sup> Vice President

Hon. Mark Monin  
*El Toro Water District*

##### 2<sup>nd</sup> Vice President

Hon. Arlene Schafer  
*Costa Mesa Sanitary District*

##### 3<sup>rd</sup> 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*

**X. OCCOG Report – 8:20 am – Director Scheafer**

- Receive, discuss and file OCCOG report

**X. Orange County Operational Area Report - 8:25 am – Director Monin**

- Receive, discuss and file OCOA report

**XI. Subcommittee Reports – 8:30 am**

- Programs
  - Discussion of future Quarterly Luncheon date/speaker
- Membership
- Legislative
  - Discuss and consider taking action on proposed legislation of interest to Special Districts.

**XII. Adjourn – 8:40 am**



## ISDOC Executive Committee (Virtual Meeting via Zoom)

April 7, 2020

### Minutes

#### I. Welcome

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

Sandra Jacobs, President (SMWD)

Mark Monin, 1<sup>st</sup> Vice President (ETWD)

Arlene Schafer, 2<sup>nd</sup> Vice President (CMSD)

Joan Finnegan, Treasurer (MWDOC)

Bill Green, Secretary (SCWD)

James Fidler, Immediate Past President (Mesa WD)

Others Present:

Gavin Centeno (OC LAFCO)

Alicia Duncan (OCWD)

Mike Gaskins, Director (ETWD)

Kathy Krasenics (Smart Watt Inc.)

Al Nederhood (YLWD)

Vicki Osborne (MWDOC)

Chris Palmer (CSDA)

Mike Scheafer, Director (CMSD)

John Withers

Stacy Taylor (Mesa WD)

Heather Baez (MWDOC)

Christina Hernandez (MWDOC)

Jody Brennan (SCWD)

#### II. Minutes

The minutes of the March 3, 2020 meeting were reviewed. Upon a motion by Mark Monin and second by Joan Finnegan, the minutes were unanimously approved.

#### III. Public Comments

Mark Monin suggested using Web Ex as a virtual meeting platform.

IV. New Business

- There was discussion on continuation of the monthly Executive Committee meeting schedule due to the pandemic. Suggestions were to continue to hold the monthly meetings on a virtual schedule or to hold the meetings every other month unless there is an agenda item that needs to be addressed. It was decided to hold meetings every other month unless a time sensitive agenda item needs to be addressed.
- President Jacobs reported that the deadline to return ballots on the new LAFCO dues formula is April 24, 2020. To date, 12 out of 27 ballots have been received.

V. Treasurer's Report

Joan Finnegan reported a balance of \$12,427.62. President Sandra Jacobs reported that updates are being made to the account for on-line banking.

VI. CSDA Report

- Seat B has completed the appointment process and the new seat B representative is Don Bartz of Phelan Pinon Hills Community Service District.
- Seat C is now open. Arlene Schafer reported she will be running again.
- CSDA Legislative Days will be held as a virtual conference.
- CSDA Finance Committee is developing a short-term financing list to help Special Districts in need during COVID-19.
- CSDA recently held webinars on Human Resources, FEMA and other COVID-19 related issues and has a page on their website dedicated to COVID-19.

VII. LAFCO Report

Jim Fidler reported the next OC LAFCO meeting will be held on April 8, 2020 at 8:15 a.m. as a GoTo Meeting. Agenda items will include CEQA Act updates, a legislative report and a consultant services agreement for redesign of the agency's website.

VIII. ACWA Report

Sandra Jacobs reported on the following:

- The May ACWA Conference has been moved to July 28-31 in Monterey and may be moved again.
- ACWA is taking the lead in the new COVID-19 "No Shutoff" rule.

- ACWA will be hold a webinar on April 9 related to COVID 19 “Rising to Meeting New Challenges”

IX. OCCOG Report

Mike Scheafer reported the OCCOG General Assembly scheduled for March had been cancelled and there is no rescheduling information yet. The next OCCOG meeting will be on April 23.

X. Orange County Operational Area Report

Victoria Osborn, Director of Emergency Manager, WEROC, reported the WEROC EOC had been activated and that water and wastewater services are deemed essential. They are developing messaging stating during COVID-19 the water remains safe to drink. She reported that existing wastewater treatment is working well for COVID-19 and they are monitoring flushables and Sewer Spill Overflows (SSOs). Vicki is conducting recovery training on March on April 8 via webinar and is assisting in procuring PPE for Special Districts and is meeting regularly with agencies. The recent beach closures were primarily due to storm conditions. The next OA meeting will be held in May.

XI. Subcommittee Reports

- Programs: Mark Monin reported that the April 30 Quarterly Luncheon has been cancelled. It was suggested that the July quarterly luncheon be moved to July 23 to avoid conflict with the rescheduled ACWA conference.
- Membership: Stacy Taylor reported a new potential member is Cal Desal.
- Legislative Update:
  - AB 2093 is related to records retention and requires saving all emails for a 2-year period (including spam) and ACR 179 declares May 17-23 as Special District’s week. Upon motion by Mark Monin and second by Arlene Schafer and passed by a unanimous vote, the Executive Committee will send a letter of opposition for AB 2093 and a letter of support for ACR 179.

XII. Adjourn

The meeting adjourned at 8:43.



# AGENDA

Friday, June 5, 2020  
7:30 a.m. - 9:00 a.m.

Please [register](#) for the meeting to access the meeting link

**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](http://www.ocwd.com/news-events/events/waco)  
[www.mwdoc.com/waco](http://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

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**1. Welcome**

- Jim Atkinson, Mesa Water District

**2. Housekeeping & Meeting Etiquette**

**3. Pledge of Allegiance**

**4. 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
- California Special Districts Report – Chris Palmer, California Special Districts Association

**5. Program - The Delta Conveyance Project: A Proposal to Protect Water Supplies**

- Karla Nemeth, Director, California Department of Water Resources

**Adjourn**

**Next WACO Meeting**

Friday, July 10, 7:30 a.m. via Zoom  
(2<sup>nd</sup> Friday of the month due to Independence Day holiday)

**Next WACO Planning Committee Meeting**

Tuesday, June 16, 7:30 a.m. via Zoom





**WACO Planning Committee**  
**Tuesday, June 16, 2020**  
**7:30 A.M.**

**Join Zoom Meeting**  
<https://zoom.us/j/885737099>

**Meeting ID: 885 737 099**

**Dial by your location**  
**669-900-9128**

## AGENDA

### **ACTION ITEMS**

1. July 10 WACO meeting (*2nd Friday. Virtual.*)
  - Topic: What's Coming Down the Pipe - Contaminants of Emerging Concern
  - Speaker: David Sedlak, UC Berkeley (Invited)
  - Speaker: TBD, U.S. EPA (Staff working with federal lobbyist to secure speaker)
    - Decide back up speaker(s)
    - Decide questions and topics for the speakers to address
    - Any changes from last meeting?
2. August 7 WACO meeting (*Virtual*)
  - Topic: Title TBD
  - Speaker: Brenda Burman, Commissioner, U.S. Bureau of Reclamation
    - Back up speaker: Deputy Commissioner, Bureau of Reclamation
    - Decide questions and topics for the speaker to address
3. September 11 WACO meeting (*2nd Friday. Most likely virtual.*)
  - Topic: The Affordability of Water
  - Speaker: Laurel Firestone, member, State Water Resources Control Board
  - Speaker: Paul Jones, General Manager, Eastern Municipal Water District
    - Decide back up speaker(s)
    - Decide questions and topics for the speakers to address

### **DISCUSSION ITEMS**

1. Future topics for virtual meetings
2. Future topics for in-person meetings

#### Previously mentioned topics:

- Dissolution of Sativa Water District
- Ducks Unlimited (Howard Hull)
- International view of water (Ahmad Zahra)
- The future of power – Dr. Michael Binderbauer, Tri Alpha Energy (Howard Hull)
- Urban Water Management Plan (Bob McVicker)
- Water Solutions Network (Larry McKenney)
- The future of 5G w/Crown Castle (Sat Tamaribuchi)
- Species in the river - Dept. of Fish & Wildlife (Peer Swan)
- The challenges of wholesalers (Jim Atkinson)
- Update on Prop 1 funding for storage projects/ status of projects gaining matching funds (Larry Dick)

3. Discussion of June 5 meeting
  - Karla Nemeth, Director, CA Department of Water Resources

### **ADJOURN**

#### Mailing Address

P.O. Box 20895  
Fountain Valley, CA 92728

#### Meeting Location

Virtual - Zoom

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

[www.mwdoc.com/waco](http://www.mwdoc.com/waco)  
[www.ocwd.com/news-events/events/waco](http://www.ocwd.com/news-events/events/waco)

#### Officers

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*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*



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## **DATES TO REMEMBER**

### **JUNE/JULY 2020**

1. Jun 26 – 8:00 a.m. – TV-6 (Gaskins) (Tentative whether TV-6 is broadcasting)
2. Jun 26 – 11:30 a.m. – Pres/VP/GM Meeting
3. Jul 1 – 8:30 a.m. – MWDOC/MET Directors Workshop
4. Jul 3 – DISTRICT OFFICE CLOSED
5. Jul 6 – 8:30 a.m. – MWDOC Planning/Operations
6. Jul 6 – 1:30 p.m. – SOCWMA Management Committee
7. Jul 7 – 7:30 a.m. – ISDOC Executive Committee
8. Jul 8 – 8:30 a.m. – LAFCO
9. Jul 8 – 8:30 a.m. – MWDOC Admin/Finance Committee
10. Jul 9 - 8:30 a.m. – SOCWA Engineering Committee
11. Jul 10 – 7:30 a.m. – WACO Meeting
12. Jul 10 – 11:30 a.m. – Pres/VP/GM Meeting
13. Jul 13 – 7:30 a.m. – Agenda Review
14. Jul 15 – 8:30 a.m. – MWDOC Board Meeting
15. Jul 16 – 10:30 a.m. – MWDOC Managers Meeting
16. Jul 17 – DISTRICT OFFICE CLOSED
17. Jul 20 – 7:30 a.m. – Regular Engineering/Finance Committee Meetings
18. Jul 20 – 8:30 a.m. – MWDOC Public Affairs Meeting
19. Jul 21 – 7:30 a.m. – WACO Planning Committee
20. Jul 23 – 7:30 a.m. – Regular Board Meeting
21. Jul 24 – 11:30 a.m. – Pres/VP/GM Meeting
22. Jul 28 – 12:00 p.m. – South County Agencies Meeting
23. Jul 29-30 – ACWA Summer Conference (Virtual)
24. Jul 30 – 11:30 a.m. – ISDOC Quarterly Meeting
25. Jul 31 – 8:00 a.m. – TV-6 (Freshley) (Tentative whether TV-6 is broadcasting)
26. Jul 31 – DISTRICT OFFICE CLOSED

# 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 30<sup>th</sup> 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.