

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

March 26, 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://zoom.us/j/423823538>. (Meeting ID: 423823538). 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.)

PRESENTATION OF AWARDS, RECOGNITIONS AND INTRODUCTIONS

a. Service Awards

There are no acknowledgements.

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

There are no acknowledgements.

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

There are no acknowledgements.

d. Staff Department Presentations

There is no Staff Department Presentation.

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 February 27, 2020 Board meeting (Minutes Included)

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

- b. Consider ratifying updates made to Fair Political Practice Commission Form 806 made subsequent to the adoption of Form 806 at the February Board Meeting and authorizing the posting of same to the District's website (Reference Material Included)

Recommended Action: Staff recommends the Board approve the updates.

APPROVAL OF ITEMS REMOVED FROM TODAY'S CONSENT CALENDAR

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

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

DIRECTOR/COMMITTEE REPORTING

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

GENERAL MANAGER ACTION ITEMS

3. **Appointment for the Orange County LAFCO Regular Special District Member Seat** (Reference Material Included)

Staff will review the formal notice that the term for the Orange County LAFCO Regular Special District Member seat, currently held by James Fisler, expires June 30, 2020. The appointment process is conducted by mailed ballot. The deadline for submitting nominations and Declaration of Qualification to vote for the seat is due to LAFCO by 3:00 pm on April 24, 2020.

Recommended Action: The Board will provide direction to Staff and consider authorizing the General Manager to submit a nomination and Declaration of Qualification to Vote to LAFCO by the deadline.

GENERAL MANAGER INFORMATION ITEMS

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

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

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

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

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

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

- a. SOCWA Board Meeting – March 5, 2020
- b. SOCWA Engineering Committee Meeting – March 12, 2020
- c. SOCWA Special Finance Committee Meeting – March 24, 2020

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

- a. MWDOC Planning & Operations – March 2, 2020
- b. MWDOC/MET Directors Workshop – March 4, 2020
- c. MWDOC Administration & Finance Committee – March 11, 2020
- d. MWDOC Public Affairs & Legislation – March 16, 2020
- e. MWDOC Board Meeting – March 18, 2020
- f. MWDOC Managers Meeting – March 19, 2020

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

- a. Report on the March 11, 2020 meeting

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

There were no meetings.

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

- a. Report on the March 3, 2020 ISDOC Executive Committee Meeting

12. **WACO Meetings** (Reference Material Included)
 - a. Report on the March 6, 2020 WACO Meeting
 - b. Report on the March 17, 2020 WACO Planning Committee meeting

13. **City Coordination Efforts**

There was no meeting.

COMMITTEE AND GENERAL INFORMATION

14. **Dates to Remember for March/April 2020** (Reference Material Included)

15. **Carry-Over Pending Matters**

COMMENTS REGARDING NON-AGENDA ITEMS

ATTORNEY REPORT

CLOSED SESSION

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

1. At this time the Board will go into Closed Session pursuant to Government Code Section 54956.9 (d) (1) to consult with legal counsel and staff on a matter of pending litigation. *The People of the State of California, acting by and through the Department of Transportation. Plaintiff, vs. County of Orange; Pacific and Telegraph Co.; Santa Margarita Water District; Laguna Hills Sanitation, Inc., California Corporation; and Does 1 through 50, inclusive. Defendants- Orange County Superior Court- Case No. 30-2020-01122114-CU-EI-CXC.*
2. At this time, the Board will go in to 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) (4) to consult with legal counsel and decide whether to initiate litigation (one matter).

REGULAR SESSION

REPORT ON CLOSED SESSION (Legal Counsel)

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

ADJOURNMENT

Recommended Action: The Board will be requested to take action adjourning today's Board meeting to **Thursday, April 23, 2020 at 7:30 a.m.** at the El Toro Water District, 24251 Los Alisos Boulevard, Lake Forest, California.

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

Request for Disability-Related Modifications or Accommodations

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

MINUTES OF THE SPECIAL MEETING
OF THE
BOARD OF DIRECTORS
OF THE
EL TORO WATER DISTRICT
February 18, 2020

President Monin called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 o'clock a.m. on February 18, 2020 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

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

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

Also present were DENNIS P. CAFFERTY, General Manager/Secretary, JUDY CIMORELL, Human Resources Manager, NEELY SHAHBAKHTI, Finance Manager/Controller, GILBERT J. GRANITO, General Counsel, POLLY WELSCH, Recording Secretary, and ED MEANS, MEANS Consulting.

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.

2019 Strategic Plan Update

Mr. Cafferty stated that the draft 2019 Strategic Plan was previously sent to the Board members.

Mr. Means stated that we will be reviewing the editorials and contents of the draft Strategic Plan. He further stated that a final document will be presented to the Board once the comments are incorporated.

Mr. Means stated that the Board reviewed the District's Mission and Values, and he held meetings with staff on the District's weaknesses, strengths, and threats.

Director Freshley commented that there are several places throughout the document where duplicate statements are made. She further stated that the points on the President's letter could be removed and some language deleted.

Mr. Means stated that the introductory page lists 6 Goals, and on the Strategic Plan Process we have explained the structure of the Plan. He further stated that Figure 2 on page 6 has been modified.

Mr. Granito suggested that on page 5 The Strategic Plan Process, in the fifth line the word "threats" could be changed to "challenges".

Mr. Means stated that on ETWD's Vision and Mission page, it captures the essence of the Board's discussion. Director Havens stated that the format needs to be cleaned up, along with perhaps a color block background or font similarity.

President Monin stated that on the ETWD Vision and Mission page, the picture of the R-6 Reservoir should be replaced with something else.

President Monin stated that on the Goals on the Introduction page, he would like to remove the Goals "a -f" and replace them with numbers Goals "1-6". Mr. Means stated that the reason for the "a-f" is so there is not a sequence of importance as would be associated with a "1-6" numbering.

Mr. Cafferty stated that on page 10 the 200 acre feet number of base flow water supply should be eliminated. Director Vergara agreed that it should reflect quantification and not a number that may not be achievable.

Mr. Means moved on to Strategy A.3 Advanced Demand Management and achieve State mandated water use efficiency targets.

Director Freshley stated that she would suggest reviewing the entire document and replacing all acronyms with the words spelled out. The Board agreed.

Director Freshley suggested in A.4.1 "Implement the Capital Improvement Program" integrate it into the Strategic Statement A.4 "Build necessary infrastructure to maintain water, sewer, and recycled water service", rather than a separate item.

President Monin asked if we will be sharing our Strategic Plan at a future CAG meeting. Mr. Cafferty replied that the final Strategic Plan could be a future CAG topic.

Mr. Means stated that the Board identified three Key Performance Indicators. These are CIP expenditures against planned, progress to develop and implement an Asset Management Program, and are we seeing undue overflows on the wastewater side or levels of violation.

Mr. Means stated that Goal B, Water Quality and Environmental Compliance ensures that ETWD meets or surpasses all water quality and environmental requirements. He further stated that we included 100% compliance for safe drinking water, lab support, and performance indicators. Director Freshley stated that she feels we should measure performance relative to budget.

Mr. Means stated that Goal C is Finance, prudently and transparently managing for long-term stability and affordability. He further stated that the Finance Goals are improving Financial Risk Management, and ensuring adequate financial passage exists. Director Freshley stated that she would question KPI #4 she would like to take "Value of Receivables" out because she doesn't understand the value in measuring them.

Director Havens stated that in the title is "Transparently Manage", but none of the Strategies or Key Performance Indicators talk about terms for transparency. Mr. Means replied that there is in the Stakeholder Goal later in the presentation, where most of the Transparency related elements are.

President Monin stated that Environmental, Social, and Governance (ESG) and Carbon are coming into all corporations, so perhaps we should add these to a section of our Strategic Plan. Mr. Means suggested adding the language to the Operations part of the Plan, of the President's statement.

Mr. Granito suggested that on page 13, Goal B.1.2 "Continue to optimize 401(k) Investments", the word "optimize" should be replaced with "monitor". The Board concurred.

Mr. Means stated that Goal D is Organizational Effectiveness, which maintains a high-quality workforce and systems to foster excellence. He further stated that training programs, administrative systems, technology and applications, open and professional work environment, safe and secure work environment, operations that are efficient and effective, and implementing the Strategic Plan.

Director Havens suggested separating Strategy C.1, Implement Training Programs into two items, such as 1) training programs and 2) succession planning.

Director Vergara stated that he would like to see all of the acronyms spelled out, such as SCADA, SOP, etc. Mr. Means will go through the document and make these changes.

Director Freshley asked why we would track staff training hours. Mr. Means replied that most companies offer some hours of staff training. Ms. Cimorell will check into how we track staff training hours.

Mr. Means stated that Goal E, Relationships are to communicate and collaborate with customers, stakeholders, neighbors, and peer agencies in the region to further the water and wastewater interests of our community.

Director Freshley suggested including any awards we get into the Strategic Plan, such as the Transparency Certification, District of Distinction, etc.

Mr. Means stated that Goal F, Operations provides safe, cost-effective and reliable operations while protecting the environment. He further stated that we have implemented improved planning tools, operate and maintain facilities, plan and prepare for emergencies, and manage natural resource use.

Mr. Means stated that he included a Glossary page. President Monin suggested adding the acronyms to the Glossary page where needed.

President Monin stated that he would like to see the word “improvement” in the Strategic Plan.

Director Vergara thanked Mr. Means for working with the Board members in preparing our Strategic Plan.

Vice President Gaskins stated that he was impressed the way Mr. Means compiled the Strategic Plan.

President Monin stated that he found the Plan very helpful and incorporated a lot of different ideas and thoughts.

Director Havens stated that she was impressed at the amount of things that are easily overlooked, and an annual review of the Strategic Plan could assist in keeping the District on track.

Director Freshley stated that she is very familiar with Strategic Planning and was very comfortable participating and sharing strengths and weaknesses of the organization.

Ms. Welsch provided a staff viewpoint and also thanked Mr. Means for including the staff's input in a comfortable environment.

Ms. Shahbakhti stated that she enjoyed the Management sessions.

Break

At approximately 9:18 a.m. the Board took a short recess.

Regular Session

At approximately 9:27 a.m. Regular session resumed.

Board Meeting Procedures

Mr. Cafferty provided a power point presentation which is a summary of a ACWA presentation. He further stated that the presentation incorporated components of Roberts Rules of Order which we may want to incorporate into our meetings, or the Board may want to create a policy for our Board to follow.

Mr. Cafferty stated that the topics included meeting discussion, points of order, appeals, authority and role of the chair and members of the staff, and inappropriate remarks.

Mr. Cafferty noted that the ACWA presentation identified a procedure in which Board members address the Chair of the meeting requesting to speak, at which point the Chair acknowledges the Board member wishing to speak, and allowing each Board member to speak if desired.

Mr. Cafferty stated that the ACWA presentation identified that there should be no side bar conversations during the Board meetings, and no inappropriate remarks of any kind.

Director Freshley stated that our Board is very professional and respectful toward each other, and therefore doesn't feel the need for a policy. The remaining Board members concurred that there is no need for a Board policy.

Director Havens suggested that the Board members could be a little more formal during the meetings.

President Monin stated that the Chair will read the paragraph regarding public comments aloud in each meeting from the agenda.

Director Vergara stated that the Chair should determine how long a person may speak, especially if there is a small audience where we could be more flexible.

Comments Regarding Non-Agenda Items

There were no comments.

Attorney Report

There was no report.

Adjournment

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

Motion: Vice President Gaskins moved, seconded by Director Freshley and unanimously carried that today's meeting be hereby adjourned at 10:05 a.m.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

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

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

MINUTES OF THE REGULAR MEETING
OF THE
BOARD OF DIRECTORS
OF THE
EL TORO WATER DISTRICT
February 27, 2020

President Monin called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 a.m. on February 27, 2020 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

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

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

Also present were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, NEELY SHAHBAKHTI, Finance Manager/Controller, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator (arrived at 8:55 a.m.), RICK OLSON, Operations Superintendent, MARK PADE, Chief Plant Operator, BOBBY YOUNG, Principal Engineer, GILBERT J. GRANITO, General Counsel, POLLY WELSCH, Recording Secretary, WYATT MCCLEAN, Lake Forest Customer, and KEITH STRIBLING, HighMark Representative.

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.

Mr. McClean introduced himself and stated that he wanted to thank the Board for their efforts in this difficult economy.

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.

Staff Department Presentations

Mr. Pade and Mr. Olson provided a brief overview on the operations and maintenance at the Water Recycling Plant.

At approximately 8:16 a.m. Mr. Pade and Mr. Olson left the meeting.

Consent Calendar

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

1. Consider approving the January 23, 2020 Board meeting minutes.
2. Consider approving the Directors to attend the ACWA Spring Conference on May 3-8, 2020 in Monterey, CA

President Monin asked for a Motion.

Motion: Director Freshley made a Motion, seconded by Director Havens, 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 provided an update on the District's 401(k) Retirement Savings Plan.

Mr. Stribling stated that pages 9 through 15 are the Investment Returns Performance of the 7 portfolios. He further stated that he characterizes it as a generally in-line year for the quarter with benchmarks between plus 60 base points and minus 40 base points depending on the portfolio.

Director Havens stated that looking at page 26, Capital Preservation, the current yield is for what length of time. Mr. Stribling replied that it is an annual yield on the cash flow return.

Mr. Stribling stated that on page 9, Capital Preservation Portfolio of Investment Returns, shows 5 year return, 10 year return, inception to date.

Director Havens asked what are the fees on these accounts. Mr. Stribling replied that all of the returns are net of imbedded fees, and there are also investment management fees and trust in custody fees. Mr. Cafferty replied that the Highmark fee is 30.5 base points, which is what we negotiated previously. He further stated that HighMark's fees are invoiced to Prudential and we pay a quarterly invoice of approximately \$17,000, which is just under

\$70,000/year.

At approximately 8:33 a.m. Mr. Stribling left the meeting.

President Monin asked for a Motion.

Motion: Vice President Gaskins made a Motion, seconded by Director Freshley and unanimously carried across the Board to Receive and File the Quarterly Review of the District's 401(k) Retirement Savings Plan.

Roll Call Vote

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

Director Reports for Meetings Attended

Vice President Gaskins stated that he attended ISDOC, SOCWA, WACO, ACWA Water Quality Committee meeting, CAG, OCWA Luncheon, Agenda Review, Chair/GM meeting, Engineering/Finance meeting, Regular Board meeting, Special Board meeting, and the MWDOC Water Policy Forum dinner.

President Monin stated that he attended the Regular Board meeting, Engineering/Finance meeting, Chair/GM meeting, Agenda Review, Special Board meeting, ISDOC, WACO, MWDOC/MET Directors workshop, Women in Water event, OCCOG, Emergency Management meeting, and the OCWA luncheon.

Director Havens stated that she attended the MWDOC/MET Directors workshop, the SOCWMA Executive meeting, WACO, MWDOC Water Policy Forum dinner, CAG, Special Board meeting, OCWA, Women in Water event, Engineering/Finance meeting, and Regular Board meeting.

Director Freshley stated that she attended the MWDOC/MET workshop, SOCWA Board meeting, ACWA's Engineering meeting, OCWA, RRC meeting, CAG, Engineering/Finance meeting, Regular Board meeting, SOCWMA meeting, MWDOC Water Policy Forum dinner, Special Board meeting, Laguna Woods City Council meeting, SOCWA Finance meeting, Women in Water event, and will be on TV-6 tomorrow.

Director Vergara stated that he attended MWDOC's Planning/Operations meeting, Lake Forest City Council meeting, MWDOC/MET workshop, WACO, MWDOC Admin/Finance meeting, CAG, MWDOC Water Policy Forum dinner, Special Board meeting, MWDOC Board meeting, WaterReuse meeting, Engineering/Finance meeting, and the Regular Board meeting.

General Manager Action Items

Resolution No. 20-2-1 Which Adopts Fair Political Practices Commission Form 806 in the Form and Content and Authorizing and Directing the Posting of Said Form 806 on the District's Website

Mr. Cafferty stated that this is an FPPC requirement that must be done when the Board appoints themselves to Committees. He further stated that the District must post this list on the website.

Vice President Gaskins stated that the Form 806 in the Board package was not complete, so staff will provide the corrected Form 806 to the Board members and management staff.

The Board reviewed the Form 806 and made some adjustments/additions. Staff will make the modifications to the Form 806.

President Monin asked for a Motion.

Motion: Director Freshley made a Motion to approve Resolution 20-2-1 and Form 806 as corrected and to the Posting of Said Form 806 on the District's Website, seconded by Vice President Gaskins, and unanimously carried across the Board.

Roll Call Vote

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

Nomination of a Candidate to the California Special Districts Association Board of Directors, Southern Network, Seat B

Mr. Cafferty stated that CSDA has 6 networks, and each have 3 Board members. He further stated that Seat B has become available.

Mr. Cafferty stated that CSDA is looking for nominations for Seat B.

None of the Board members expressed interest in being nominated for the CSDA Seat B.

Nomination of a Candidate to the California Special Districts Association
Board of Directors, Seat C

Mr. Cafferty stated that the CSDA Seat C is available for nomination.

None of the Board members expressed any interest in being nominated for the CSDA Seat C.

General Manager Information Items

General Manager's Monthly Report

President Monin stated that the Customer Service report is still doing well.

Legislative Reports

There were no comments.

Public Education and Outreach & Water Conservation Reports

Ms. Seitz stated that there were no water waste complaints for the month of January.

Ms. Seitz stated that the District will be celebrating its 60th anniversary on August 12th. She further stated that we will also be having an Open House, formal presentation, tour, and elected officials ceremony.

Ms. Seitz stated that MWDOC's Water Awareness Poster Contest is open to Orange County students in grades K-12.

Ms. Seitz stated that the District hosted the Women in Water event on February 21st.

Ms. Seitz stated that MWDOC actively engages with teachers and requests surveys on the education programs which include the Bolsa Chica Conservancy, the Discovery Cube, and Shows that Teach.

Ms. Seitz stated that the District has partnered with the Orange County Registrar of Voters to be one of five vote centers in Lake Forest for upcoming primary election. She further stated that ETWD will be a 4-day vote center and residents can vote in person or drop off their ballot during the 4-days.

Ms. Seitz stated that the District received a request to participate in a special advertising supplement for an editorial that would be inserted in the Orange County Register on a Sunday in late March and is being coordinated through MWDOC. She further stated that a one-page feature would cost \$5,000 and a two-page would cost \$10,000.

Ms. Seitz stated that those who have committed so far include MWDOC, SMWD, SCWD, IRWD, and Southern California Partnerships.

Director Havens asked what size the advertisement would be. Ms. Seitz replied that it would be magazine size.

Director Freshley stated that she doesn't feel we should be using ratepayers' money to advertise for the District. President Monin stated that he feels the same as Director Freshley. Director Vergara also agreed with Director Freshley.

Director Vergara asked who is collecting the money for this advertising. Ms. Seitz replied that it's Agendum and Civic Publications that are putting this together.

Director Vergara stated that the General Manager will look into whether this fits into our Mission and Vision. President Monin and Vice President Gaskins agree. Director Havens suggested that staff check with the FPPC to make sure there is no conflict of interest in participating in this.

At approximately 9:10 a.m. Ms. Seitz and Director Vergara left the meeting.

SOCWA Reports

Director Freshley stated that at the SOCWA Finance meeting the staff prepared a spreadsheet of projects and costs.

MWDOC

President Monin stated that at the MWDOC Planning/Operations meeting they discussed Water Use Efficiency and Regional System Planning and Local Water Supply.

President Monin stated that at the MWDOC Admin/Finance meeting they had a Treasurers report, a Financial report, and a draft of the budget.

Mr. Cafferty stated that Mr. Olson attended the MWDOC Managers meeting where they discussed rate increases.

LAFCO

There was no meeting.

SOCWMA

Director Havens stated that there were a number of Receive and File reports, and discussion on Water Resilience & Roundtable discussions.

ISDOC

Vice President Gaskins stated that there is a Form 700 workshop at MWDOC on March 17th.

WACO

President Monin stated that they had a program on What Increased Housing Means for Water.

City Coordination Efforts

There were no comments.

Committee and General Information

There were no comments.

Dates to Remember for February/March 2020

There were no comments.

Carry Over Pending Matters

There were no comments.

Comments Regarding Non-Agenda Items

Mr. Cafferty stated that the March 23rd Budget Committee #1 date is the same date/time as our Engineering/FIC meeting, so we need to change the Budget Committee #1 date, so he is recommending Wednesday, March 25th at 7:30 a.m.

Attorney Report

Mr. Granito reported that there is no need for a Closed Session at today's meeting.

Adjournment

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

Motion: Director Havens made a Motion, seconded by Director Freshley and unanimously carried that today's meeting be adjourned at 9:20 a.m. to Thursday, March 26, 2020 at 7:30 a.m. at the District's Administrative Offices at 24251 Los Alisos Blvd, Lake Forest, CA. 92630.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

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

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



January 22, 2020

REGULAR MEMBERS

CHAIR
CHERYL BROTHERS
 CITY MEMBER

VICE CHAIR
DOUGLASS DAVERT
 SPECIAL DISTRICT MEMBER

IMMEDIATE PAST CHAIR
DEREK J. MCGREGOR
 PUBLIC MEMBER

LISA BARTLETT
 COUNTY MEMBER

DR. ALLAN BERNSTEIN
 CITY MEMBER

JAMES FISLER
 SPECIAL DISTRICT MEMBER

DONALD P. WAGNER
 COUNTY MEMBER

ALTERNATES

WENDY BUCKNUM
 CITY MEMBER

KATHRYN FRESHLEY
 SPECIAL DISTRICT MEMBER

LOU PENROSE
 PUBLIC MEMBER

MICHELLE STEEL
 COUNTY MEMBER

STAFF

CAROLYN EMERY
 EXECUTIVE OFFICER

Saundra Jacobs
 ISDOC President
 P.O. Box 20895
 Fountain Valley, CA 92728

SUBJECT: Appointment for the Orange County LAFCO Regular Special District Member Seat

Dear Ms. Jacobs,

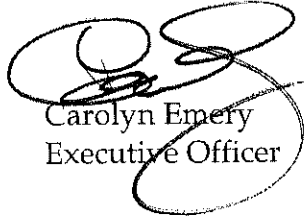
This letter serves as formal notice that the term for the Orange LAFCO Regular Special District Member seat, currently held by James Fisler, expires June 30, 2020. In accordance with the Special District Selection Committee Bylaws, the appointment process is conducted by mailed ballot. A schedule of key events and responsibilities for the appointment process for this seat is outlined below:

<i>Appointment Process Schedule for OC LAFCO Regular Special District Seat Expiring June 30, 2020</i>	
DATE	EVENT
March 23, 2020	OC LAFCO Executive Officer emails notification letters with nomination forms and Declaration of Qualification to Vote to independent special district presiding officers and special district general managers.
April 24, 2020 (3 PM)	Deadline for submitting nominations and Declaration of Qualification to Vote for the Regular Special District member is due to OC LAFCO by 3:00p.m.*
May 4, 2020	Ballot is emailed to all special district presiding officers/designees.
June 8, 2020 (3 PM)	Ballot is due to OC LAFCO by 3:00 p.m.
June 15, 2020	OC LAFCO staff (or designee) tabulates ballots and announces results.
July 8, 2020	Oath of office administered (Commission Hearing).
<i>* Pursuant to Government Code Section 56332(c)(1), if only one candidate is nominated for a vacant seat, that candidate shall be deemed selected with no further proceedings.</i>	

Should you have any questions, please contact our Commission Clerk Cheryl Carter-Benjamin at (714) 640-5100 or by email at ccarter-benjamin@oclafco.org.

Appointment for the Orange County LAFCO Regular Special District Member Seat
January 22, 2020
Page 2 of 2

Sincerely,



Carolyn Emery
Executive Officer

cc: Chair, OC LAFCO
Special District Presiding Officers
Special District General Managers

GENERAL MANAGER'S REPORT

March 2020

I. OFFICE OF THE GENERAL MANAGER

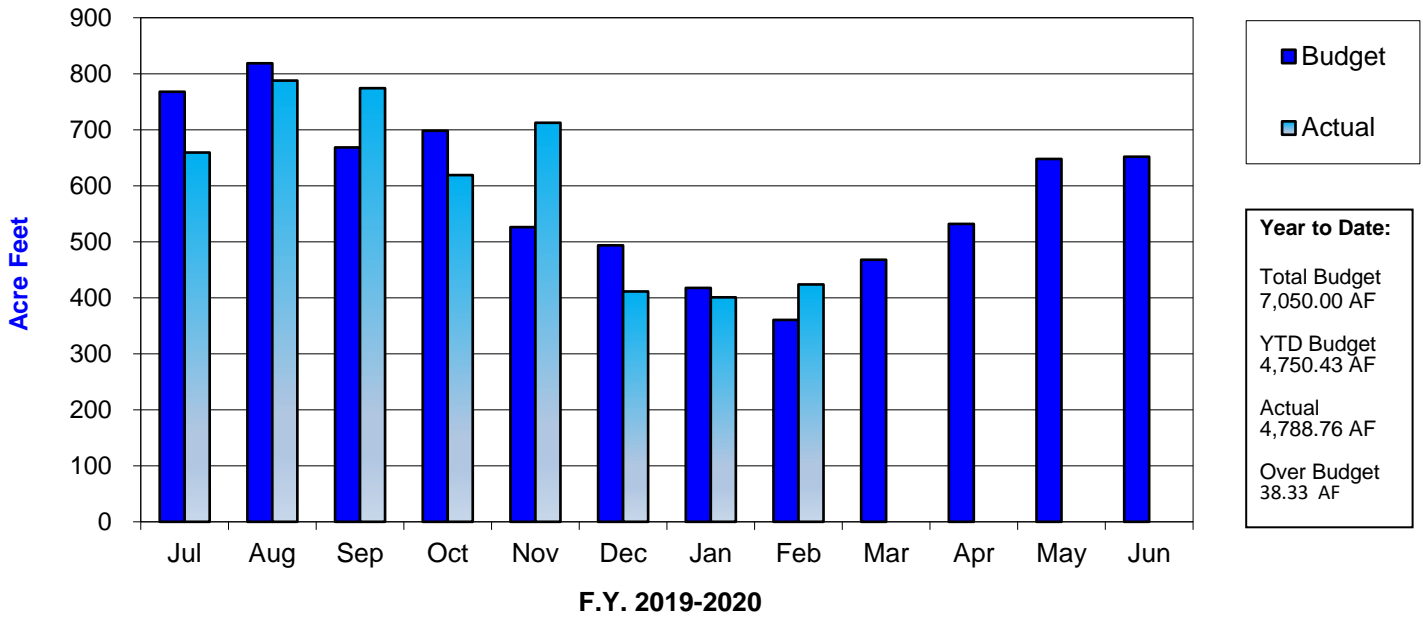
- Attended RRC Meeting
- Attended Lunch Meeting with Fernando Paludi, TCWD General Manager
- Attended All Employee Meeting
- Attended SOCWA Board Meeting
- Attended Chair/GM Meetings
- Attended Lunch Meeting with President Monin, Vice President Gaskins, Paul Cook, IRWD General Manager, Doug Reinhart, IRWD Board Member, and Mary Aileen Mathis, IRWD Board Member
- Attended Orange County Recycled Water Guidelines Agency Meeting
- Attended Agenda Review Meeting
- Attended MWDOC Managers Meeting (Remotely)
- Attended Regular Engineering/Finance Committee Meetings
- Attended SOCWA Special Finance Committee Meeting (Remotely)
- Attended Regular Board Meeting
- Participated in WEROC COVID 19 Update Conference Call
- Attended COVID 19 Strategy Meeting with President Monin, Vice President Gaskins, and Gil Granito

II. DOMESTIC AND RECYCLED WATER SALES

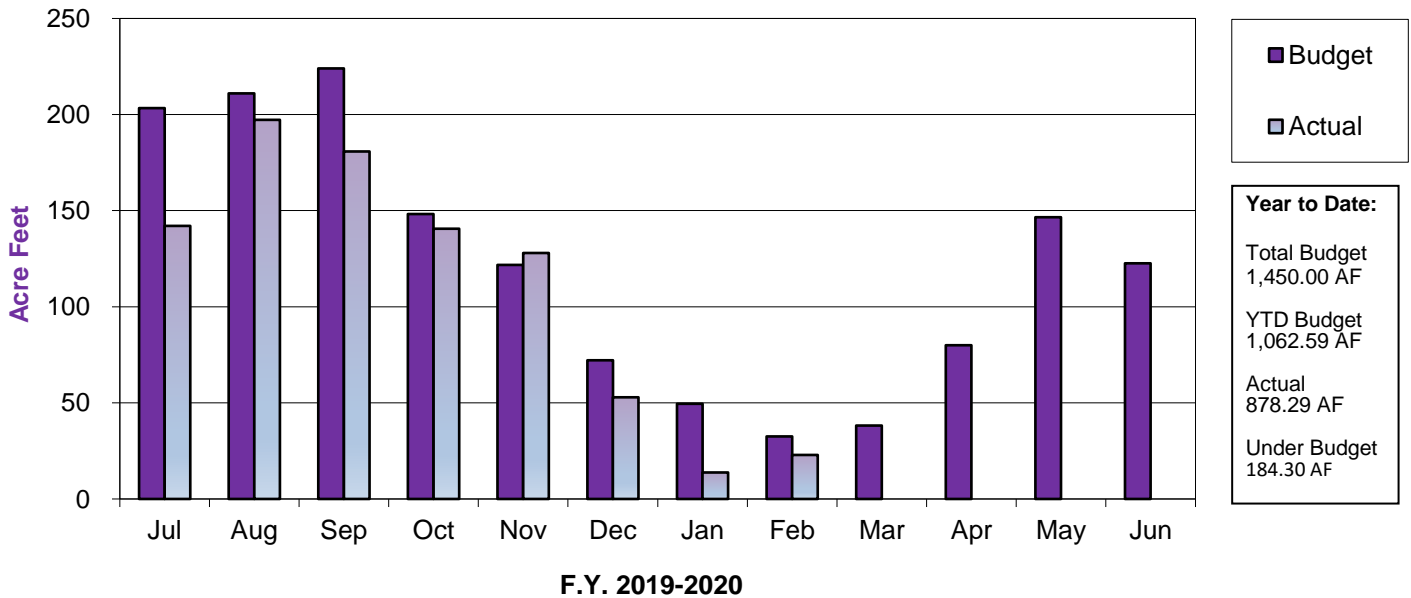
Actual domestic sales for the year-to-date as of February 29, 2020 are 4,788.76 acre-feet. This compares to year-to-date budgeted domestic sales of 4,750.43 acre-feet. The year-to-date variation in actual to budgeted sales reflects an increase of 38.33 acre-feet. Actual sales are 8.24 acre-feet lower than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of February 29, 2020 are 878.29 acre-feet. This compares to year-to-date budgeted recycled sales of 1,062.59 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 184.30 acre-feet. Actual sales are 2.11 acre-feet higher than last year-to-date actual sales for the same period.

POTABLE WATER SALES



RECYCLED WATER SALES



Customer Service Activity Report

Regular Service Calls	FEB 2020	FEB 2019	Telephone Calls	FEB 2020	FEB 2019
Serviceman Dispatched to Read, Connect/Disconnect Service	56	68	Change of Service: Connections and Disconnections	60	84
Field Investigations:			Billing / Payments & Graph Inquires	257	292
Check for leaks - calls to CS Office:(irrigation,meter,street leaks)			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	83	99
Customer Responsible	16	21	Variance / Adjustment Inquiries	23	34
District Responsible	8	6	Variance / Adjustment Requests Processed	6	14
None found/other	18	15	Ordinance Infraction / Water Waste Complaints	0	2
High Reads Checked - High Consumption (Billing Dept.)	42	21			
Cust Leaks: _20_ No Leaks: _22_					
Check Stopped Slowed Meters-Low Consumption (Billing)	22	6	Outside Utility Districts	71	49
Re-Check Read	3	6	Phone calls Transfer to other Departments within ETWD	112	86
Ordinance Infraction	2	5	Phone calls for the Board of Directors	3	0
Recycled Water	0	1	Recycled Water	0	0
Water Quality: Taste / Odor / Color	0	1	Water Quality Taste - Odor - Color	0	1
Phone response: _0_ Field response: _0_			Leaks / Breaks	45	12
Flooding (Hydrant) Meters issued	0	0	Flooding Meter calls (Hydrant)	3	1
Sewer - Odor/Stoppage/ Manhole Covers	3	0	Sewer Problems (odor / spills)	2	4
Meter Box: Lids / Covers Replaced	18	12			
Meter Box Clean, Digout	3	5	Backflow / Cross Connection (questions or yearly testing forms)	3	0
Raised Meter Box	1	1	ETWD facilities inquiries: Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	6	5
Trim Bushes / Meter Obstruction	12	28			
General Maintenance Response	8	5	Tyco (ADT) Calls (Alarms to ETWD facilities)	2	2
Fire Hydrants: Hit / Leaks / Caps	0	1	ATT Calls (access to tower sites)	0	0
Pressure(psi) Checks / Reads	2	5	SCE Calls (access to tower sites)	0	1
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	8	6	Pager Calls specifically for Pump Stations - SCADA	0	0
AMS angle-meter-stop replace/repair	1	1			
Bees Removed	1	0			
Backflow / Cross Connection	5	0	Payment Extensions	13	90
Fogged Registers	12	52	Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)	0	59
OMCOP: Old Meter Change - Out Program	2	1	Return Calls from customers left on our voice mail system. Ext 500	7	13
Other: (uncommon non-maintenance calls)	7	2	Email Correspondence:	75	86
On-Call After Hrs. CS Response	20	18	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	3	0
# 48/24 Hr. Door Hangers Hung	1	169	Misc. (other: employment, deliveries, sales calls)	66	51
# Locked Off For Non-Pay (Disconnect)	0	12			
Removed Meter	0	1			
New Meter	5	3			
Unread Meters	8	16			
Total Field Investigations	284	488	Total Telephone Calls	840	985
Uncollectible Accounts:			Credit Card Payments	FEB 2020	FEB 2019
Budget YTD	\$13,333.00	\$ 13,333.00	REGULAR	745	\$70,778.43
Actual YTD	\$ 6,259.00	\$ 399.00		692	\$71,950.50

MICROBIOLOGICAL MONITORING

February 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

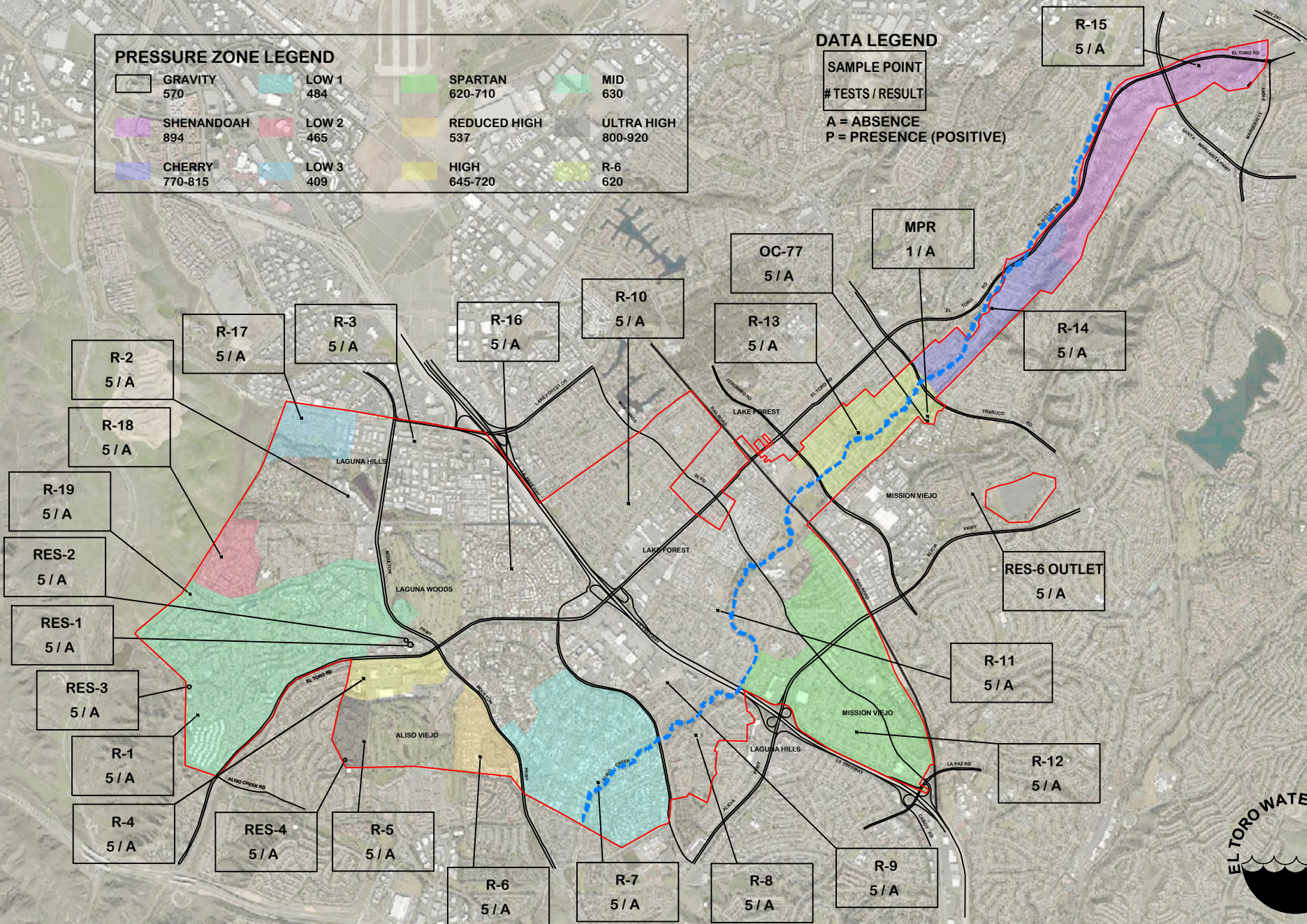
DATA LEGEND

SAMPLE POINT

TESTS / RESULT

A = ABSENCE

P = PRESENCE (POSITIVE)

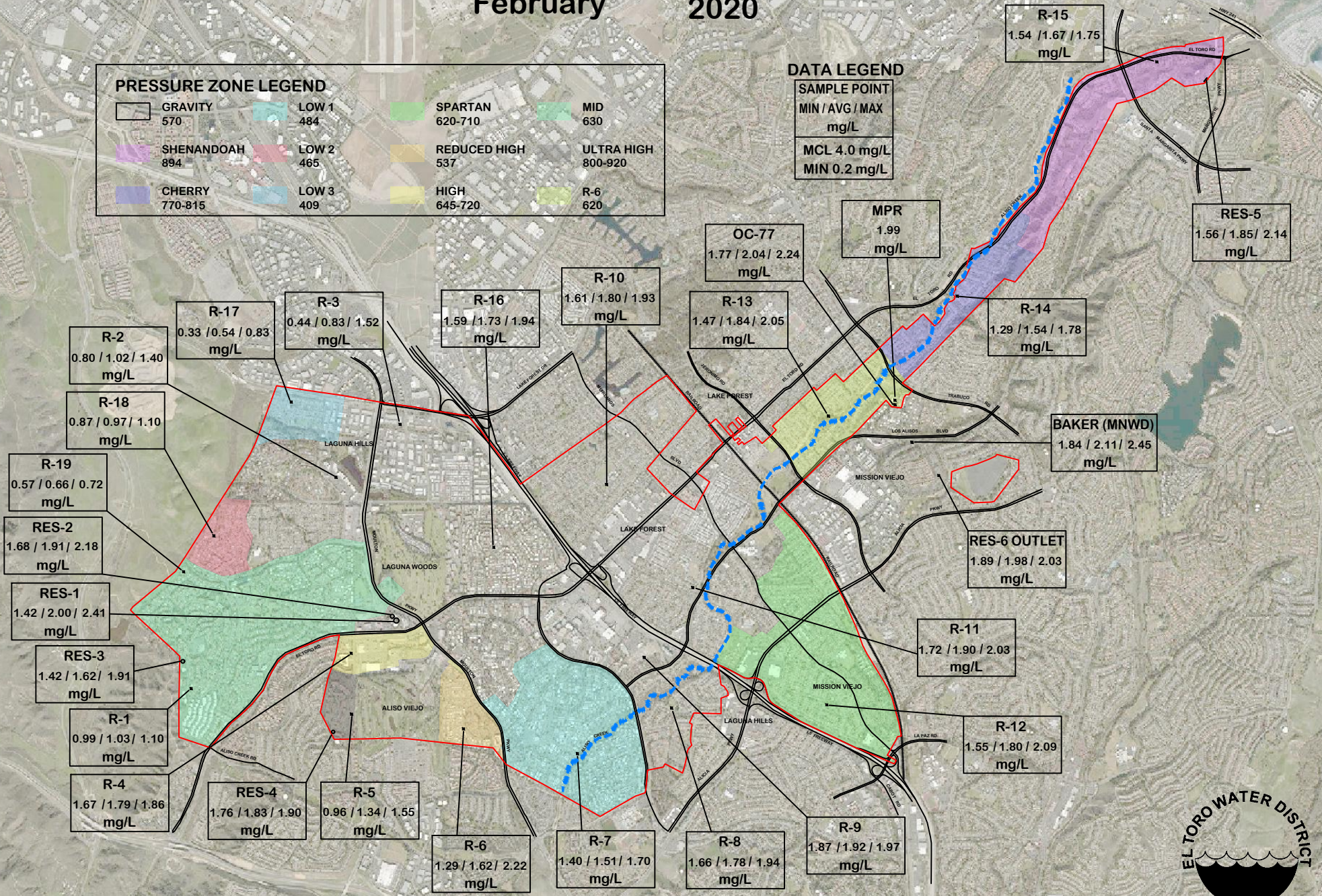


CHLORINE RESIDUAL MONITORING

February 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



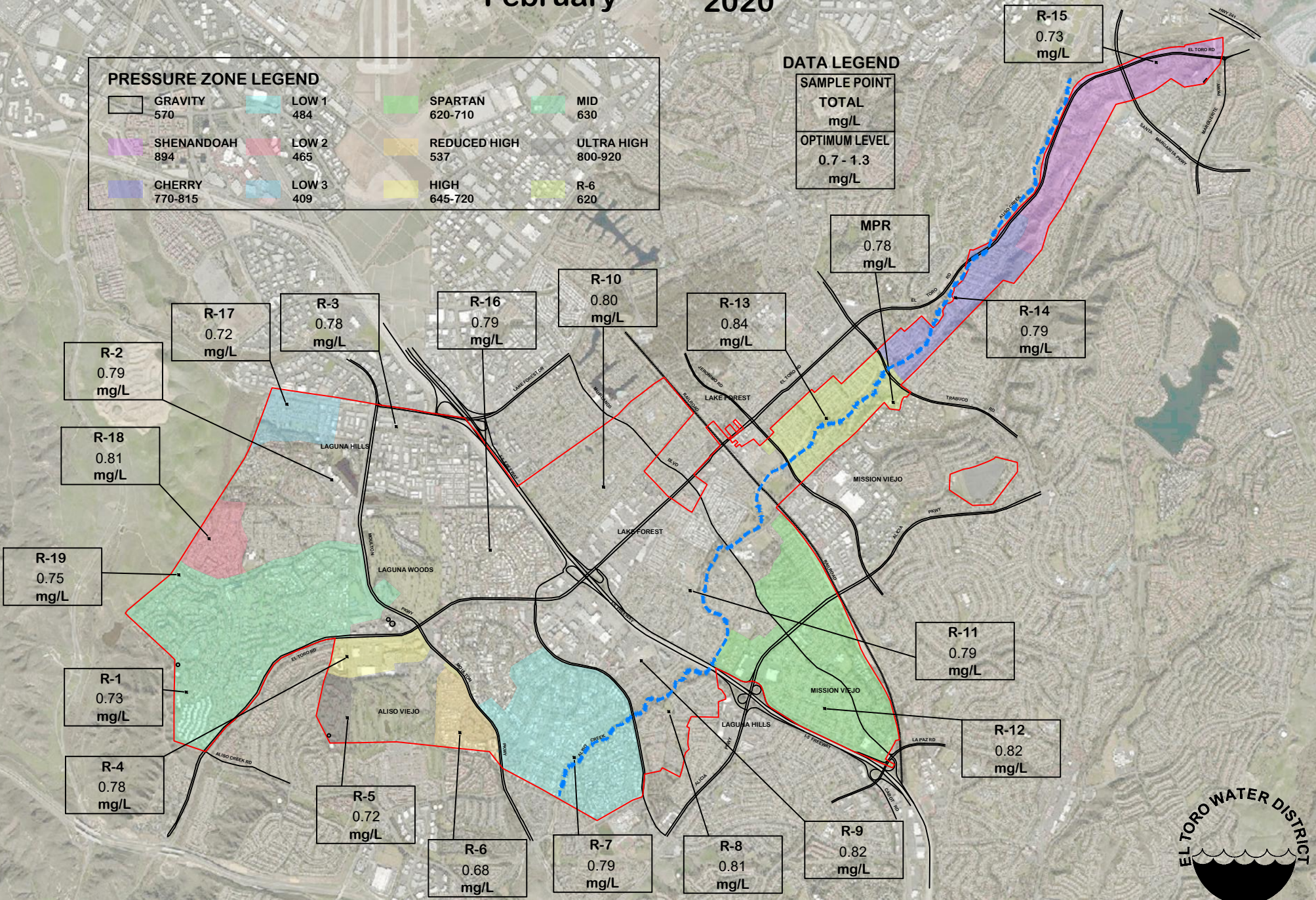
FLUORIDE MONITORING

February 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



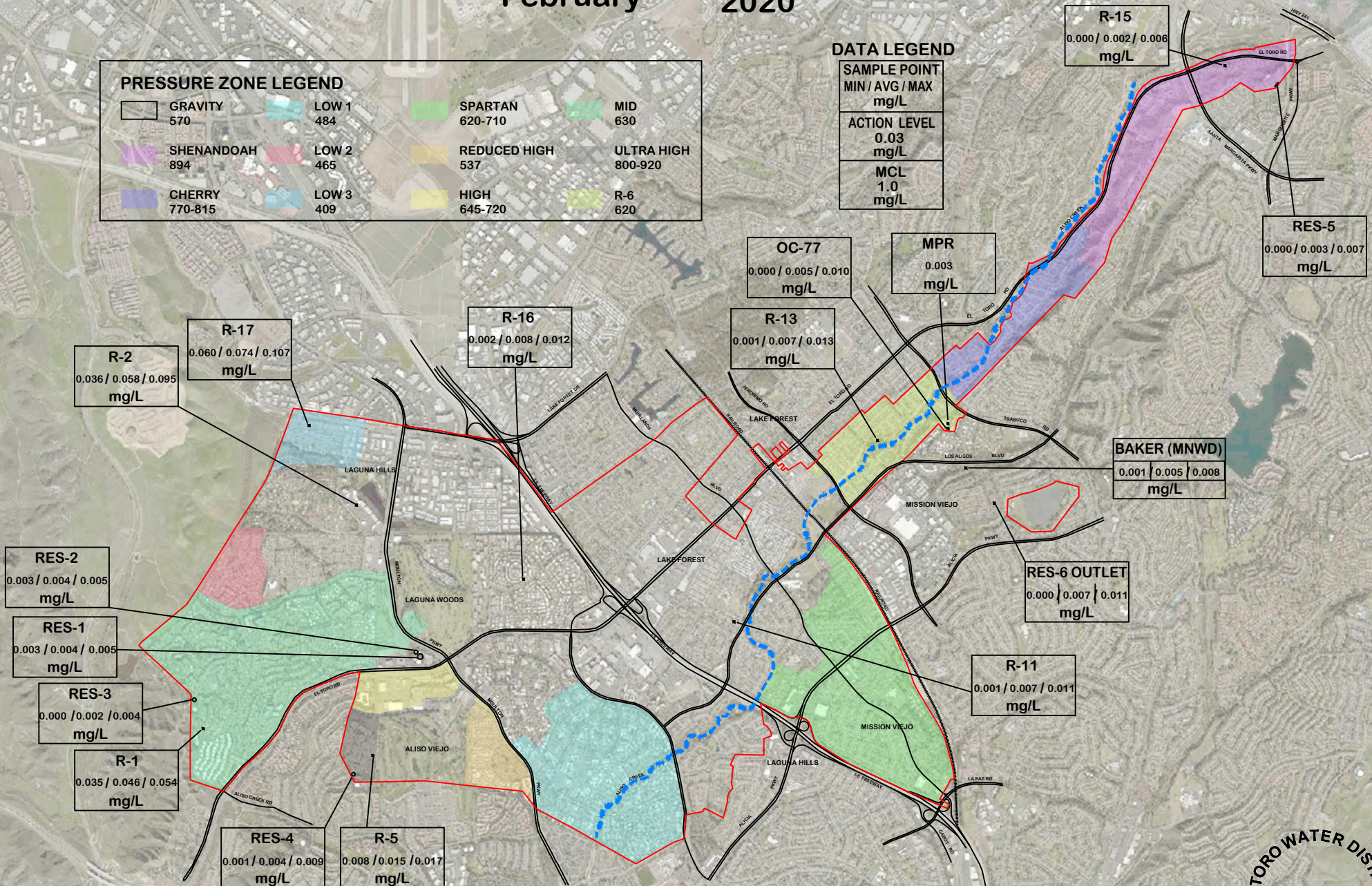
NITRITE MONITORING

February 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
	MID 630		ULTRA HIGH 800-920
	HIGH 645-720		R-6 620

DATA LEGEND

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



Weekly Water Quality System Status

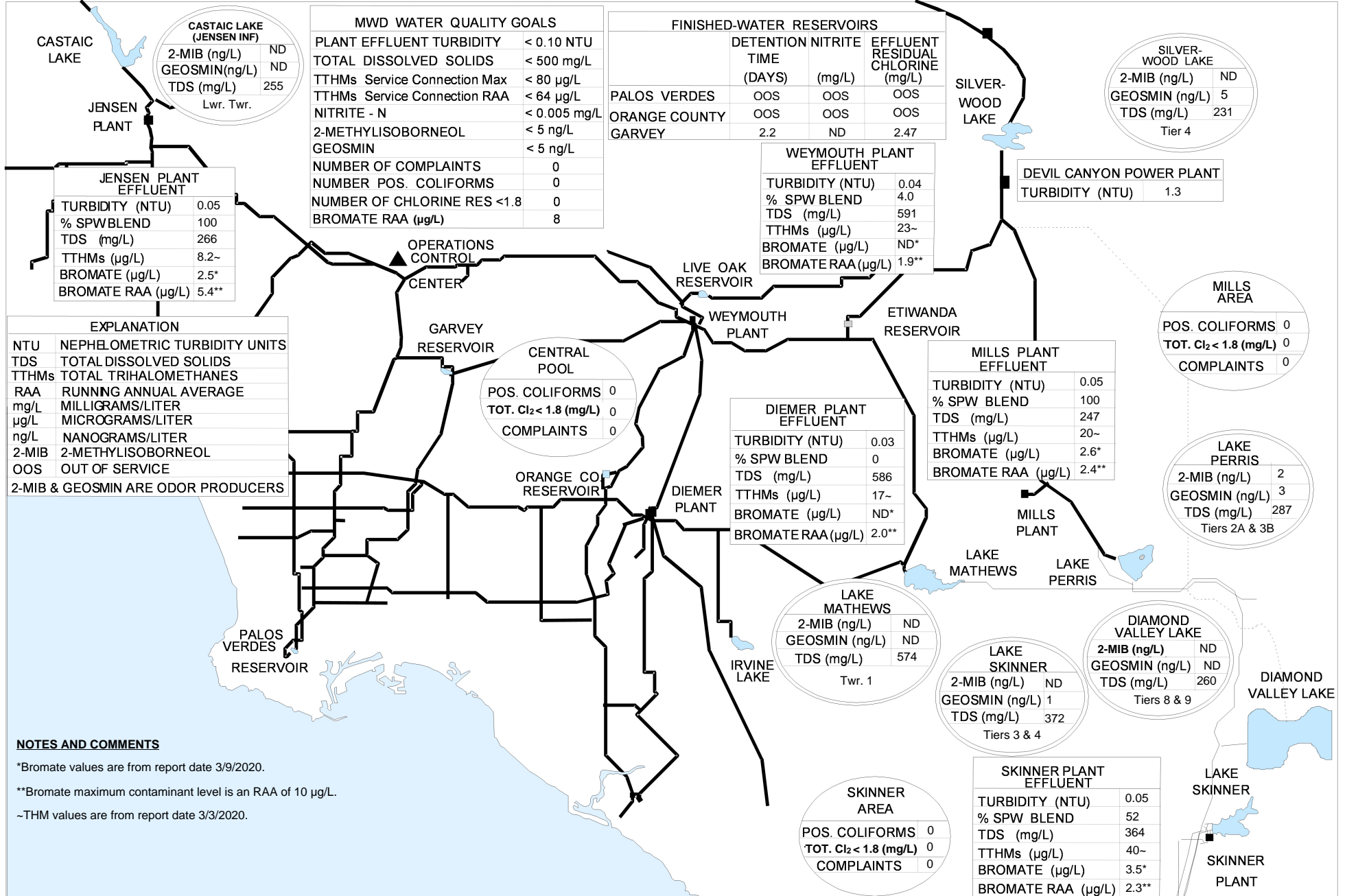
Wednesday, March 18, 2020

Generated On:3/18/2020 7:54:45 AM



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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



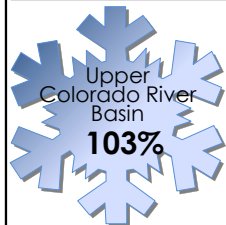
MWD water quality goals meet or exceed all State and Federal regulations.

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



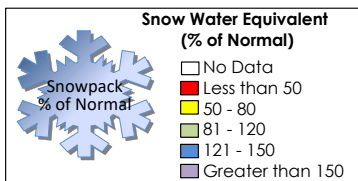
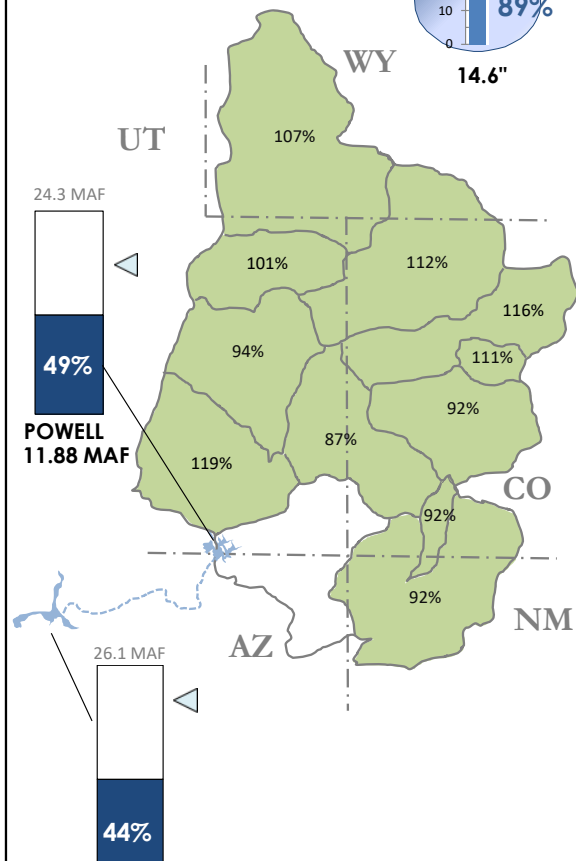
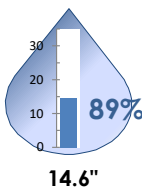
Water Supply Conditions Report

As of: 03/17/2020



2020 Colorado River

988,000 AF
79% of full CRA
Does not include storage withdrawals



Turn page for more CRA Data

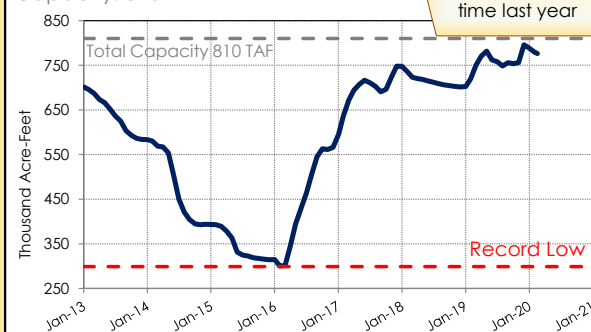
Flip Over for SWP Data

Highlights

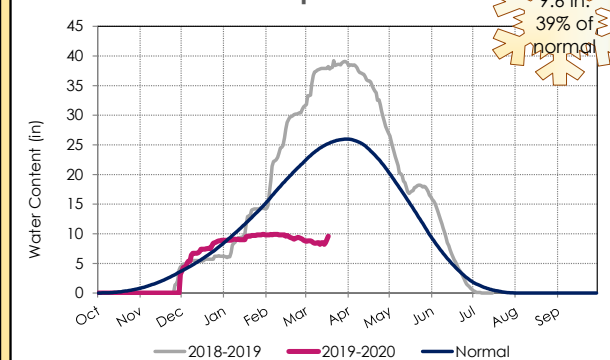
- Precipitation at the 8-Station is at 57% of normal
- Snow in the Northern Sierra is at 48% of normal
- Precipitation and snow in the Upper Colorado River Basin are respectively at 89% and 103% of normal

Diamond Valley Lake Storage

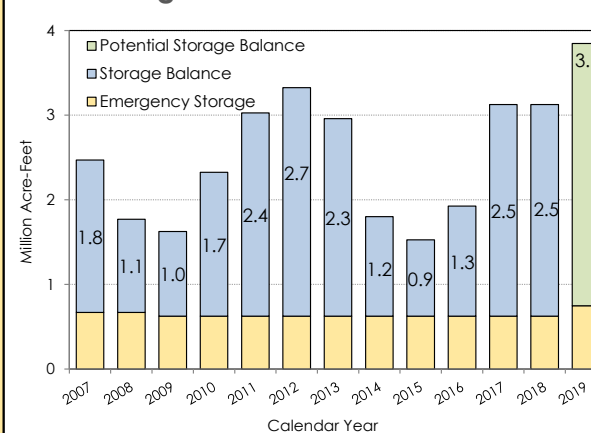
Capacity: 810 TAF



Southern Sierra Snowpack

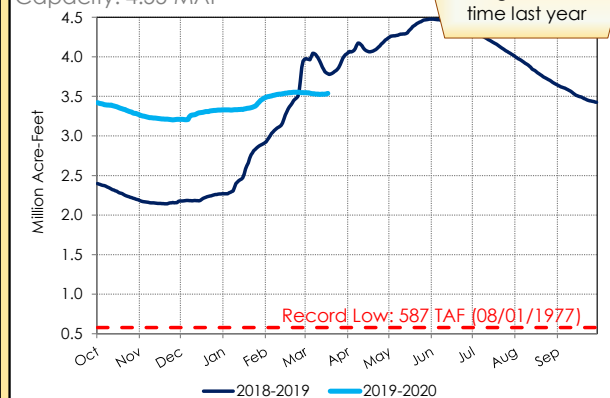


MWD Storage Reserve Levels



Lake Shasta Reservoir Storage

Capacity: 4.55 MAF



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

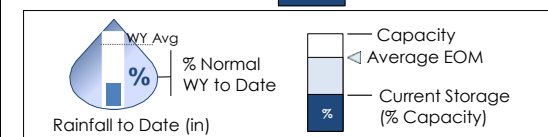
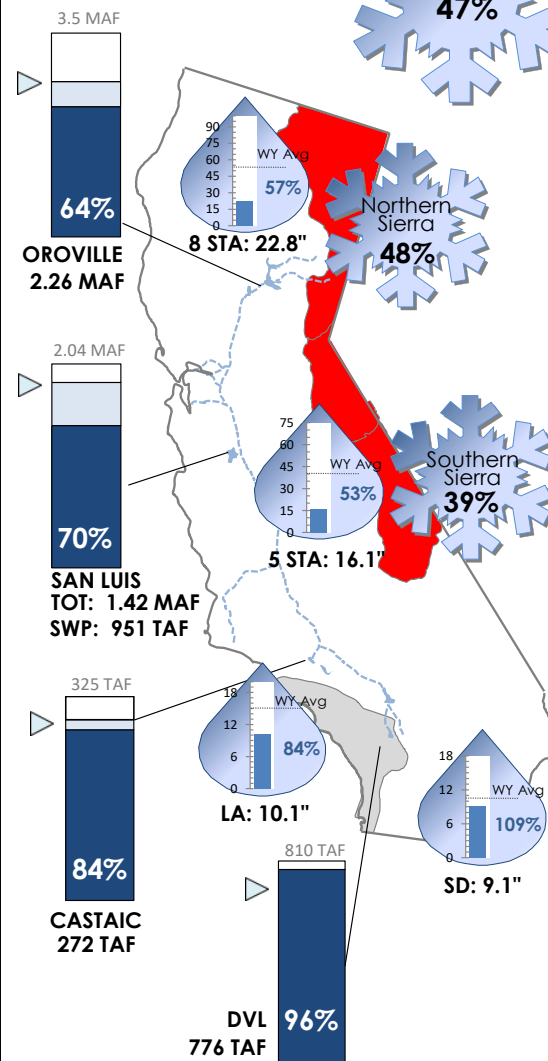


Water Supply Conditions Report

As of: 03/17/2020

2020 SWP Allocation

286,725 AF
15% of Table A



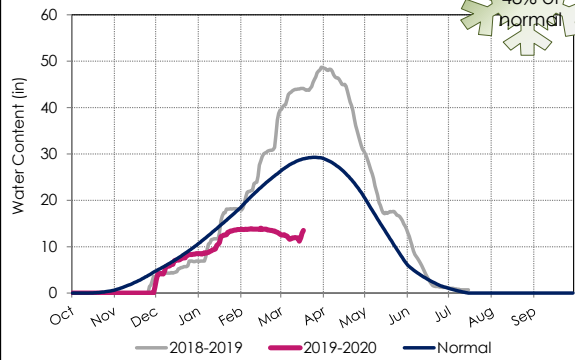
Flip Over for CRA Data

Turn page for more SWP Data

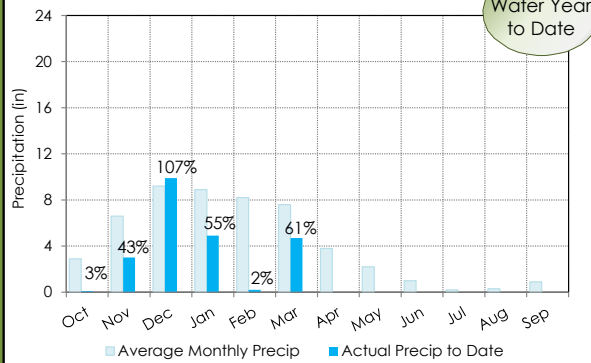
As of: 03/17/2020

State Water Project Resources

Northern Sierra Snowpack

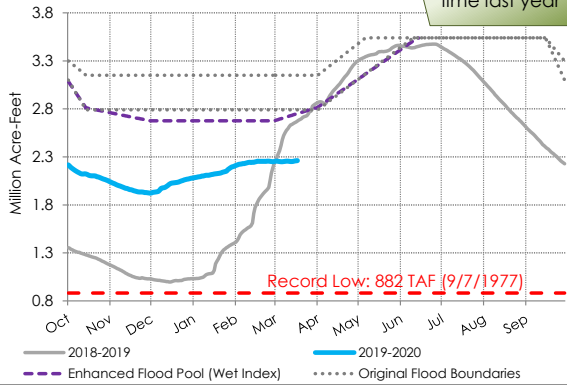


8 Station Index Precip

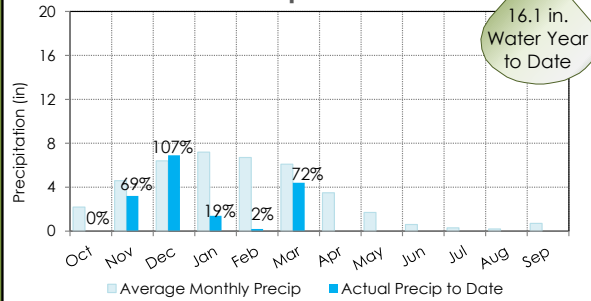


Oroville Reservoir Storage

Capacity: 3.5 MAF

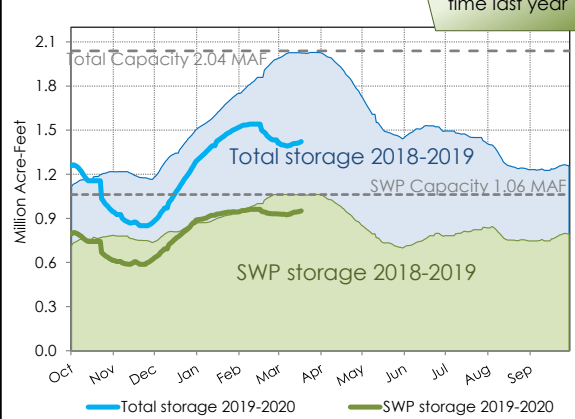


5 Station Index Precip



San Luis Reservoir Storage

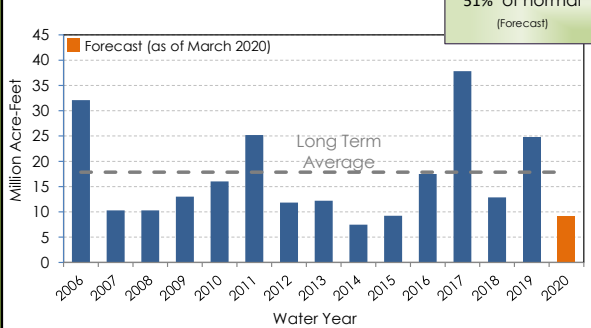
Capacity: 2.04 MAF



Other SWP Contract Supplies for 2020 (AF)

Article 21	TBD
Carryover	TBD
Article 14b	TBD

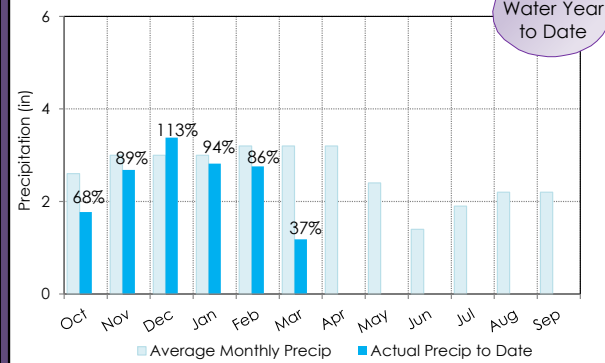
Sacramento River Runoff



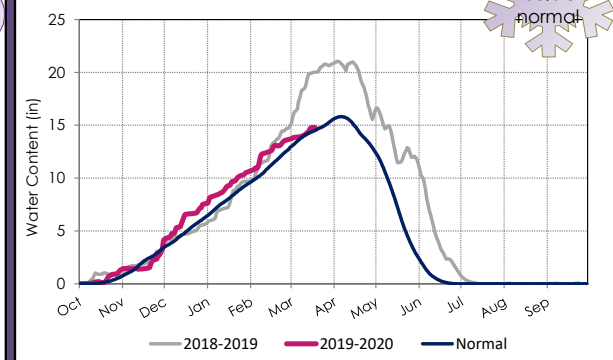
Colorado River Resources

As of: 03/17/2020

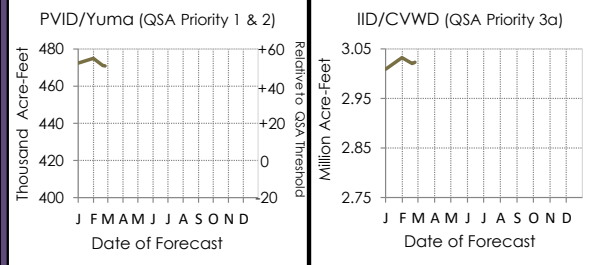
Upper Colorado Basin Precip



Upper Colorado Basin Snowpack

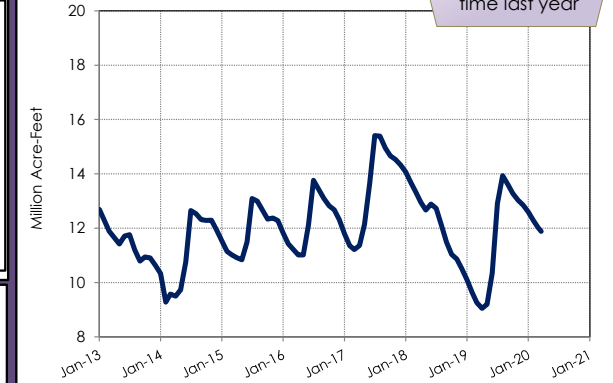


2020 Colorado River Ag Use



Lake Powell Storage

Capacity: 24.3 MAF

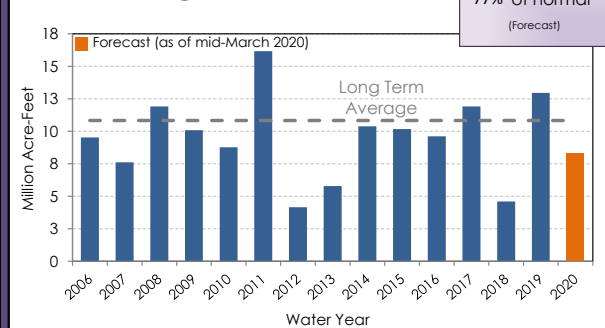


Lake Mead Shortage/Surplus Outlook

	2020	2021	2022	2023	2024
Shortage	0%	0%	11%	31%	37%
Surplus	0%	0%	2%	7%	11%

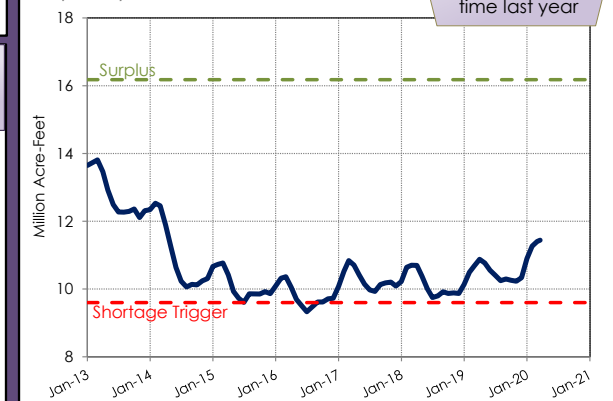
Likelihood based on results from the February 2020 MTOM/CRSS model run. Includes DCP Contributions.

Powell Unregulated Inflow



Lake Mead Storage

Capacity: 26.1 MAF



(WRP) Tertiary Treatment Plant

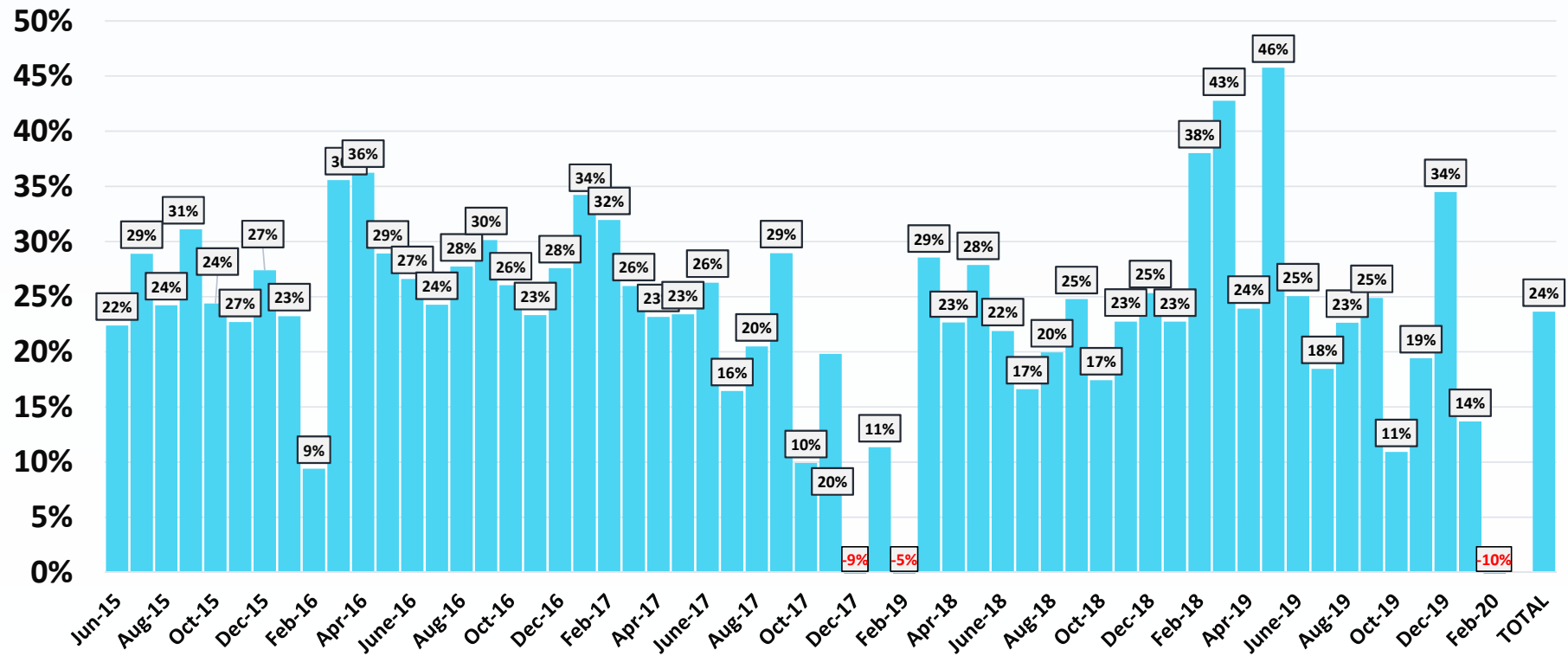
Feb.20

Total Recycled Water Production

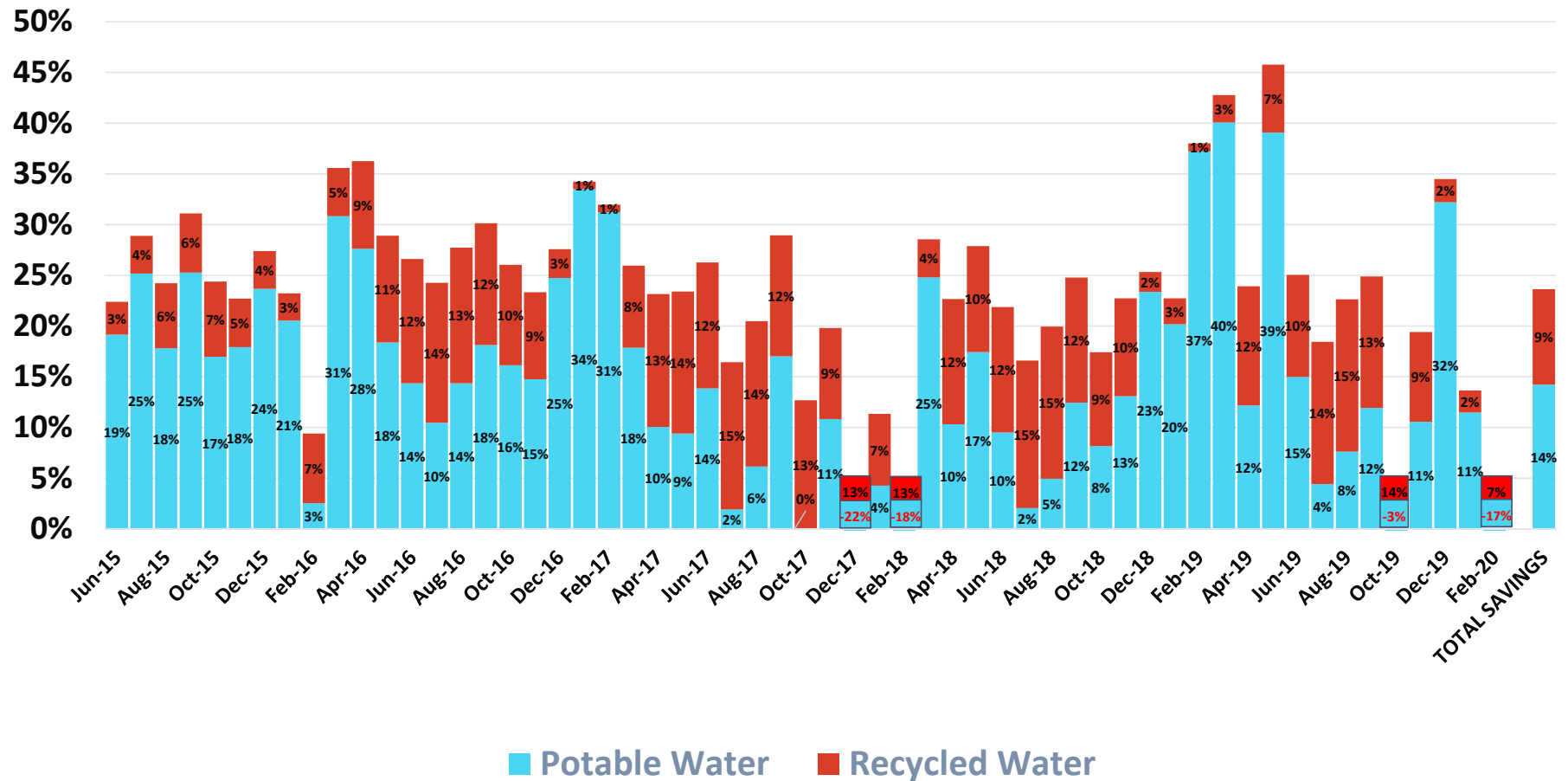
Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.105	0.399	0.092	0.596
Total Q MG	3.034	11.561	2.666	17.261
Total Acre Feet	9.311	35.479	8.182	52.972

*No Potable Water Was Used to Supplement the Recycled Water Total Production this Month.

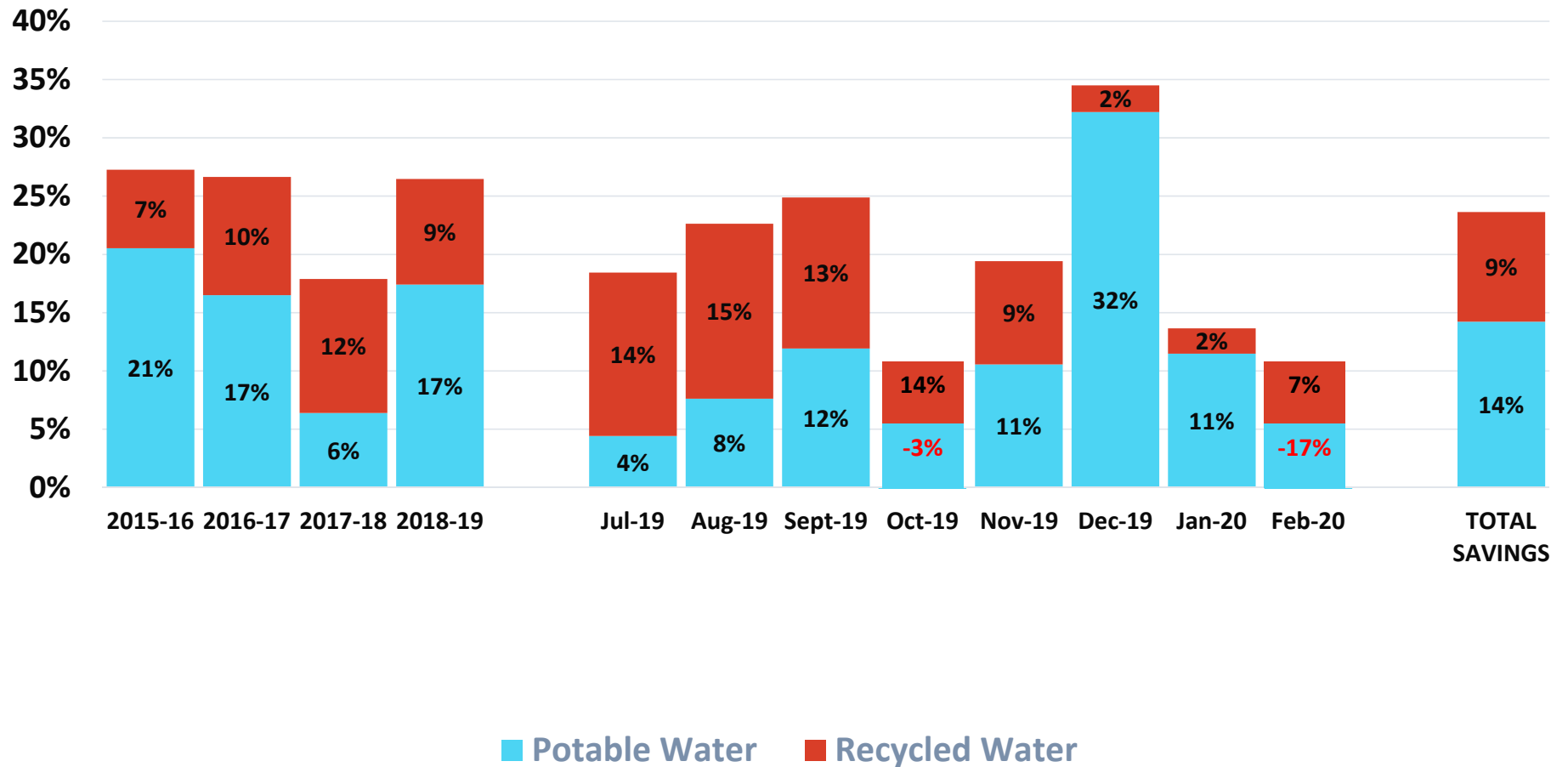
ETWD WATER SAVINGS COMPARED TO 2013



ETWD WATER SAVINGS COMPARED TO 2013



ETWD WATER SAVINGS COMPARED TO 2013



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

MONTH ENDING:

Febuary 2020

ODOR COMPLAINTS	NUMBER	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village				
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Private System				
Other: WRP				
TOTAL	0			
ROOT FOAMING	FOOTAGE	CHEMICAL USED	CHEMICAL COST	COMMENTS:
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Other				
TOTAL	0			
ROOT CUTTING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
TOTAL	0			
HYDRO-CLEANING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village	1,668			
Laguna Woods Village	35,769			
New World	9,160			
Private System				
Hot Spots	18,818			
ETWD TOTALS:	65,415			
SANTA MARGARITA TOTALS:				
COMBINED TOTALS:	65,415			
TV INSPECTIONS	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village	3,460			
Laguna Woods Village	4,108			
New World				
Private System				
Other				
TOTAL	7,568			
Wet Wells	3	LAPAZ ,DELTA, MATHIS		
Flow Meter/Sampling	Number			
WATER TANK FILLS	27	27,000		

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

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

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

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

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

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

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

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

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

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

EL TORO WATER DISTRICT MONTHLY POTABLE WATER QUALITY ANALYSIS					
MONTH:		February		YEAR : 2020	
CONSTITUENT ANALYSIS		INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	147(A)	Pres/Absence		Average
2 Chlorine (ppm)	Detectable Resid	180	Average = 1.44 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 0.05		
Odor	3 Units	20	ND<1		
Color	15 Units	20	ND<5		
Temperature	No standard	20	58.0°F To 64.0°F		
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	73	0.000 to 0.011 Res.		

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

Abbreviations:

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

WILL SERVE REQUEST STATUS REPORT

(February 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)

Date Requested	Applicant	Project Description	Type	Location	Status	Date Issued
3/8/19	Target Corporation	Target Mission Viejo Redevelopment	ND	24500 Alicia Pkwy.	Issued	7/3/19
8/16/19	Burgertown USA	Burgertown Sewer Connection	TI	24418 Muirlands	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

**EL TORO WATER DISTRICT
UNAUTHORIZED DISCHARGE SUMMARY
YEAR OF 2020**

DATE	PUBLIC / PRIVATE	SPILL TYPE	LOCATION	REASON	IMMEDIATE CORRECTIVE MEASURES	PREVIOUS MAINTENANCE		POST-INCIDENT PREVENTIVE MEASURES	RWQCB	DISCHARGED TO	SPILL VOLUME (PUBLIC) Gallons		SPILL VOLUME (PRIVATE) Gallons		REGULATORY NOTIFICATION AND RESPONSE
						CLEANING	TV				CONTAINED	SPILLED	CONTAINED	SPILLED	
January 23, 2020	Private	PLSD	23645 El Toro Rd.	Debris in private lateral	No longer spilling when ETWD staff arrived. Shut water service off to prevent additional discharge until line was clear	N/A	N/A	Spoke to Property Management Company	N/A	Parking Lot	N/A	N/A	5	5	Communicated with City of Lake Forest, Water Quality Inspector, and Orange County Environmental Health
February			NO SPILLS												
LEGEND											0	0	5	5	
S.D.C. = San Diego Creek		RES. = Residential			R.S. = Rocks										
S.D. = Storm Drain		C. = Commercial			C.W.D. = Calcium Water Deposits										
A.C. = Aliso Creek		S.B. = Siphon			B.P. = Broken Pipe										
G.B. = Grease Blockage		P.F. = Power Failure			U.W. = Untreated Water										



WRP BATTERY STORAGE SYSTEM

MONTHLY REPORT

JANUARY, 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	\$4,593.03	\$3,003.03
09/12/2019 - 10/11/2019	-45 kW	988 kW	\$1,646.72	\$56.72
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	\$178.21	(\$1,411.79)
12/13/2019 - 01/14/2020	-225 kW	904 kW	(\$2,136.00)	(\$3,726.00)
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)
TOTAL			\$8,900.50	(\$3,819.50)



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James C. Barker
Ryan Leavitt

Municipal Water District of Orange County, California

Washington Update

March 10, 2020

Coronavirus Roils Washington and the Financial Markets; Congress Considering Economic Stimulus Measures and Potentially an Extended Congressional Recess Period

Coronavirus continues to be the top news story around the country—especially here in Washington, DC. Last week at least five Members of Congress/Senators as well as some Executive Branch Officials came into contact with a person infected with the coronavirus at a major political conference in DC. As a result, those Congressmen and Senators are now under a self-imposed quarantine for two weeks. In our conversations with various Congressional offices, we are hearing that many of the major trade associations and national industry groups have begun cancelling their Washington, DC conferences and annual fly-ins to meet with Federal Government officials this year.

Concerning incidents like what took place at the above mentioned conference this year have pushed some Members of Congress to suggest to Congressional Leadership that the Congress should go on an extended recess period for the remainder of March. Congress is already scheduled to take a one-week break the week of March 16-20.

As a result of coronavirus concerns around the globe and in the U.S., global financial markets have been in turmoil and the U.S. stock markets have experienced double-digit losses since February. Uncertainty among investors of the economic impacts of coronavirus have stoked fears of a global recession. The hospitality and travel sectors have already been hit extremely hard.

In response, the White House and Congress are working on a potential economic stimulus package, that could include some infrastructure components, to try and jumpstart the U.S. economy. Although, early on, there have already been some disagreements between the House Speaker and the President on the scope of the package and the mechanisms to pay for it. Middle-income class tax cuts and subsidies for the airline industry are a few of the proposals that have already been floated.

Water districts would not be immune from the negative impacts of a recession in the U.S. economy. With recession naturally follows the inevitable decreases in federal, state, and local tax revenue. With fewer tax revenue, we would expect increased pressure to reduce government spending at all levels. Those reductions in government spending could take the form of cutting spending on federal and state water funding programs.

House and Senate Appropriations Committees Schedule Hearings on the FY2021 Spending Bills

On March 10, 2020, the House Energy & Water Appropriations Subcommittee held a hearing on the President's U.S. Army Corps of Engineers (USACE) and Bureau of Reclamation (BOR) Budget Requests. And on March 25, 2020, Members of House of Representatives will be invited to testify before the Energy & Water Subcommittee to share their own appropriations priorities.

In late February, 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 projects like the Doheny Beach Desalination Project that have already gone through the process to be awarded desalination 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 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.

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. See the chart below.

Programs	FY19 Levels	FY20 Levels	President's FY20 Budget	President's FY21 Budget
Bureau of Reclamation	\$1.565 billion	\$1.68 billion	\$1.120 billion	\$1.1 billion
Army Corps of Engineers	\$6.998 billion	\$7.65 billion	\$4.964 billion	\$6 billion
Clean/Drinking Water State Revolving Funds	\$2.76 billion	\$2.77 billion	\$1.98 billion	\$1.98 billion
WIFIA	\$68 million	\$55 million	\$25 million	\$25 million

PFAS Update:

Since our last report, we delivered the letters signed by MWDOC Board President Tamaribuchi (electronically and hard copies) to all of Orange County's Members of Congress and both CA Senators that expresses concerns about PFAS legislation that could negatively impact MWDOC and its member agencies. Specifically, concerns about listing PFAS as hazardous substances under the Superfund Law CERCLA—at least without an exemption for public water systems.

In late February, the Environmental Protection Agency (EPA) proposed a “regulatory determination” which is the first step to administratively set a mandatory drinking water limit for the PFAS chemicals PFOA and PFOS. Under the Safe Drinking Water Act, the EPA must first propose and finalize a rule determining that a chemical warrants a drinking water limit before it can propose and finalize an actual limit.

Additionally, some Members of Congress and staff have reported to us that they believe there will be another effort in the 2020 National Defense Authorization Act (NDAA), or annual defense spending bill, to again attempt to include some PFAS related legislation. The expectation is that the 2020 NDAA will be considered by the House around May of this year. We will continue to monitor this issue and provide periodic updates.

H.R. 3723 (Rep. Mike Levin), the *Desalination Development Act*:

On Wednesday, March 11, 2020, Rep. Mike Levin's bill (H.R. 3723) is set to be voted on by the House Natural Resources Committee. If it is passed by the House Natural Resources Committee, the next step would be for it to be considered by the full House of Representatives.

This legislation would raise the funding authorization in the Water Infrastructure Improvements for the Nation (WIIN) Act for desalination projects to \$260 million over the next five years. Levin's objective in introducing this bill is to support projects like South Coast Water District's Doheny Ocean Desalination Project.

It is worth noting that on behalf of MWDOC, we provided some technical assistance and proposed language to Rep. Levin's staff on this legislative effort. We also assisted them in preparing for the debate of the bill for the Committee's upcoming consideration of the legislation.

FOLLOW UP: Southern California Water Luncheon and Briefing to be held in Washington, DC on February 26, 2020:

We are happy to report that the annual water lunch and briefing in Washington, DC this year was a success. MWDOC's PAL Committee Chair Megan Schneider did an excellent job running the program during the event and introducing all of the speakers and presenters. We were pleased that three Members of Congress (Reps. Levin, Calvert, and Lowenthal) attended and gave remarks to the group. Additionally, we had staff representing almost a dozen other Congressional offices in attendance: Reps. Porter, Chu, Correa, Rouda, Schiff, Davis, Napolitano, Cisneros, Takano, Grijalva, and majority and minority senior staff of the House Natural Resources Subcommittee on Water.

JCB/RWL 3/10/20



BEST BEST & KRIEGER
ATTORNEYS AT LAW

Memorandum

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: March 16, 2020
Re: Monthly State Political Report

Legislative Report

All the bills are in and the Legislature is operating at full speed. The first large policy committee hearings are being set for the first week of April. Fiscal bills have until April 24th to clear committee while non fiscal bills get an additional week. As expected, the two major water policy issues concern PFAS and wildfires.

PFAS Legislation

Although the major focus on PFAS is happening at the federal level, a number of related bills have been introduced at the state level. Leading the way is the MWD sponsored bill SB 996 (Portantino) which seeks to head off haphazard regulation through legislation, with PFAS being the most relevant example. There are so many contaminants of emerging concern, or “CECs,” that the SWRCB is overwhelmed with addressing them one at a time. SB 996 would establish a scientific advisory panel to help the SWRCB sort through them and focus on the most significant ones and (hopefully) guide the process toward rational control measures that are based on sound science.

Another ambitious PFAS inspired bill is AB 2560 (Quirk), which would require the SWRCB to comply with notice and comment requirements before establishing or revising notification and response levels for contaminants in drinking water. This is needed because the customer notification requirements for response levels make them *de facto* maximum contaminant levels, but the SWRCB may see it differently. The administration views response levels as non-regulatory and will likely oppose notice and comment requirements.

Two other bills in this group include SB 1044 (Allen) that would require manufacturers and sellers of PFAS containing firefighting equipment to provide notice to the buyer, and SB 1056 that would force the SWRCB to certify methodologies for testing for PFAS, as well as certifying California labs.



BEST BEST & KRIEGER
ATTORNEYS AT LAW

Wildfire Legislation

The total list of bills in the Legislature dealing with wildfire liability probably exceeds 20, but the two leading bills that concern water suppliers are AB 2182 (Rubio), which is sponsored by ACWA, and SB 1099 (Dodd), which is sponsored by CMUA. Both bills address the same issue of emergency backup generators that water districts use to ensure a continuous water supply during a power outage. Air Quality Management Districts (AQMD) take different approaches to allowable runtimes and testing protocols, but emergency generators have taken on a new significance in the face of wildfires and power shutoffs becoming the new normal, and the air regulations are not keeping up. One AQMD, for example, limits generators to 200 hours per year and allows 20 hours for testing. When the electrical grid is damaged by a wildfire, however, power may not be restored to a water district facility for months.

The issue with testing limitations based on maximum allowed time is that accepted national standards call for testing to be performance based, not a set number of hours. In the past water districts lived with the 20 hour test limits but the new reality of wildfires and power shutoffs means that “good enough” is no longer good enough. Operators of emergency generators that support critical public services now need to have absolute certainty that a generator will perform as expected.

Both bills address the issue by exempting emergency generator operations during emergencies, including planned power shutoffs, but AB 2182 seeks to exempt generators from AQMD control during emergencies, while SB 1099 takes a less confrontational approach by requiring AQMDs to adopt appropriate rules.

Administrative Report

The SWRCB has taken two major actions in the last month:

Low-Income Rate Assistance Program (LIRA) – The report on the Low-Income Rate Assistance (LIRA) that was required by AB 401 (Dodd-2015) was released without fanfare. The report lays out three levels of assistance based on the cost of 6 CCF of water. It calls for the program to be funded by personal income tax and a tax on bottled water. Implementing the tax increases through legislation would be challenging. Left unaddressed is what would happen to water districts that already have programs that offer a higher level of assistance.

Economic Feasibility Analysis for Maximum Contaminant Levels (MCLs)– SWRCB published a white paper on the parameters of an economic feasibility analysis for Hexavalent Chromium 6. Although specific to Chrome 6, the white paper purports to be a template for the economic feasibility analysis for all MCLs going forward. For this reason BB&K is actively engaging with the SWRCB.

The County of Orange Report

March 10, 2020
by Lewis Consulting Group



Don Wagner Re-Elected / Clarity for November Ballot

It appears that after all the votes have been counted, about 47% of Orange County voters will have cast their ballot in the March Primary. Despite the heavily contested Democratic Presidential Primary, turnout fell slightly short of the 49% turnout in June 2016.

In the Presidential race, Bernie Sanders ran slightly higher in Orange County than the state as a whole, garnering 35% of the vote locally.

Here is the list of candidates who will advance to the November 2020 runoff:

Orange County Supervisor - 1st District

Andrew Do 44% vs Sergio Contreres 21%

One of the biggest surprises of the election was that failure of long-time Santa Ana Mayor Miguel Pulido to make the run-off.

Orange County Supervisor - 3rd District

In the winner take all primary, Don Wagner emerged victorious with 53% over Ashleigh Aitken 47%, and will remain County Supervisor for the next 4 ½ years

38th Congressional District

Linda Sanchez 72% vs Michael Tolar 28%

Linda Sanchez should handily win the mostly L.A. County seat.

39th Congressional District

Young Kim 52% vs. Gil Cisneros 43%

A very strong showing for Young Kim in the effort to move the 39th C.D. back into the Republican column.

45th Congressional District

Katie Porter 50% vs Greg Raths 18%

A mild surprise for many as Greg Raths out polled Don Sedgwick, Peggy Huang and Lisa Sparks.

46th Congressional District

Lou Correa 57% vs James Waters 29%

Should be an easy November for Lou Correa.

47th Congressional District

Allen Lowenthal 39% vs John Briscoe 22%

Incumbent Lowenthal will be heavily favored in the mostly L.A. County district.

48th Congressional District

Harly Rouda 46% vs Michelle Steel 36%

The race will be a November barn-burner.

49th Congressional District

Bryan Maryott 54% vs Mike Levin 46%

Despite the O.C. results, Levin will be heavily favored in this mostly San Diego County district.

29th State Senate District

Ling Ling Chang 49% vs Josh Newman 34%

A strong Orange County showing for Ling Ling Chang in this hotly contested re-match.

37th State Senate District

John Moorlach 48% vs Dave Min 27%

A warning light on for the Moorlach re-election effort, as the two Democrats slightly out polled him.

55th State Assembly District

Philip Chen 62% vs Andrew Rodriguez 38%

Chen will be heavily favored for re-election.

65th State Assembly District

Sharon Quirk-Silva 56% vs Cynthia Thacker 44%

Quirk-Silva will be heavily favored.

68th State Assembly District

Steven Choi 45% vs Melissa Fox 33%

Assemblyman Choi will have a fight on his hands

69th State Assembly District

Tom Daly 72% vs Jon Paul White 28%

Easy sailing for Tom Daly's re-election.

*72nd State Assembly District * [too close to call]*

Janet Nguyen 34% vs Tyler Diep 25.31% OR Diedre Nguyen 25.02%

After a Republican blood bath in the Primary, Janet Nguyen should be favored.

73rd State Assembly District

Laurie Davies 28% vs Scott Rhinehart 23%

Davies will be favored after the voters sent Assemblyman Bill Brough packing.

74th State Assembly District

Connie Petrie-Norris 51% vs Diane Dixon 26%

This will be an evenly matched November slug-fest.



The March 11th LAFCO meeting was held after our print deadline, so other items of interest will be briefed at PAL.

On the Agenda . . .

Item 7A - 2nd Quarter Comprehensive Report

Contained in this item are active and anticipated project applications, 4th cycle MSR and Sphere of Influence update, South Orange County update, administrative outreach, extended relocation and outreach and a fiscal year 2019-2020 budget overview.

Item 8A - Proposed Budget and Fee Schedule

Proposed expenditures are \$1,310,930. The lion's share of that will be funded by County, Cities and Special Districts apportionments totaling \$1,169,500. That total is supplemented by drawing down \$123,430 from unused equity and \$18,000 from interest income. The apportionments will increase 4%.

Item 11 - Executive Officer Report

Update on:

- Annexation of San Juan Capistrano water and waste water utility to Santa Margarita Water District
- OC LAFCO Communication Plan
- 2020 Cal LAFCO Workshop
- 17th Street Tustin annexation Outreach
- South County Unincorporated Program
- California Property Tax Managers

New PPIC Survey

Here are selected questions and results from the Public Polity of California's latest poll. The poll of 1,700 California adults was conducted February 7-17 and a sample of this size yields a margin of error of +/- 3.4%.

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

53% approve
33% disapprove
4% don't know

2. Overall, do you approve or disapprove of the way that the California Legislature is handling its job?

51% approve
37% disapprove
11% don't know

4A. Are you registered as a Democrat, a Republican, another party, or are you registered as a decline-to-state or independent voter?

- 44% Democrat
- 24% Republican
- 6% another party (specify)
- 26% independent

5F. Do you think of yourself as closer to the Republican Party or Democratic Party?

- 25% Republican Party
- 52% Democratic Party
- 18% neither
- 6% don't know

8. Which of these statements is closest to your views about President Donald Trump?

- 26% I like Donald Trump and I like his policies
- 3% I like Donald Trump but I dislike his policies
- 11% I dislike Donald Trump but I like his policies
- 59% I dislike Donald Trump and I dislike his policies
- 1% don't know

16. How much of a problem is housing affordability in your part of California? Is it a big problem, somewhat of a problem, or not a problem?

- 63% big problem
- 25% somewhat of a problem
- 11% not a problem
- 1% don't know

17. Does the cost of your housing make you and your family seriously consider moving away from the part of California you live in now, or not? (if yes, ask: "Does it make you consider moving elsewhere in California, or outside of the state?")

- 44% yes
- 10% yes, elsewhere in California
- 32% yes, outside the state
- 2% yes, other
- 56% no
- don't know

19. A potential constitutional amendment on the November ballot would mandate that cities, counties, and the state provide enough housing or shelter beds to put every homeless person under a roof. If the election were held today, would you vote yes or no on this constitutional amendment?

- 63% yes
- 32% no
- 5% don't know

20. Governor Newsom decided to scale back the high-speed rail project and complete the construction underway for a highspeed rail from Bakersfield to Merced while continuing to plan and seek funds for extending the high-speed rail system to other

parts of the state. Do you think that Governor Newsom's plan is a good idea or a bad idea?

- 49% good idea
- 41% bad idea
- 2% don't want/need high speed rail at all
- 8% don't know

21. Governor Newsom decided to scale back the Delta project and build one tunnel—instead of two—in the Sacramento-San Joaquin Delta to move water from northern California for agricultural, environmental, and urban uses in central and southern California. Do you think that Governor Newsom's plan is a good idea or a bad idea?

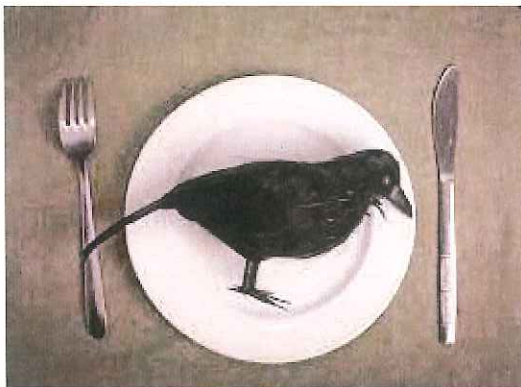
- 58% good idea
- 28% bad idea
- 1% don't want/need any tunnels
- 13% don't know

22. How much of a problem are violence and street crime in your local community today—a big problem, somewhat of a problem, or not much of a problem?

- 24% big problem
- 36% somewhat of a problem
- 38% not much of a problem
- 1% don't know

34. Would you consider yourself to be politically:

- 16% very liberal
- 19% somewhat liberal
- 27% middle-of-the-road
- 22% somewhat conservative
- 13% very conservative
- 2% don't know



So I Prefer My Crow with Just a Pinch of Salt

Last month's botched Presidential predictions: "It appears for now the contest has been winnowed down to Sanders, Buttigieg and the yet untested Michael Bloomberg."

"In the contest for the more mainstream liberal wing of the party, Mayor Pete Buttigieg's late surge has all but crushed the hopes of those supporting former Vice President Joe Biden."

"Democrat proportional delegate allocation has almost assured a "brokered" convention."

- Lessons to be learned -**
- 1) Never make a prediction prior to all candidates participating in a nationally televised debate.
 - 2) Take a deep breath before making any more predictions.



Update

COVID-19

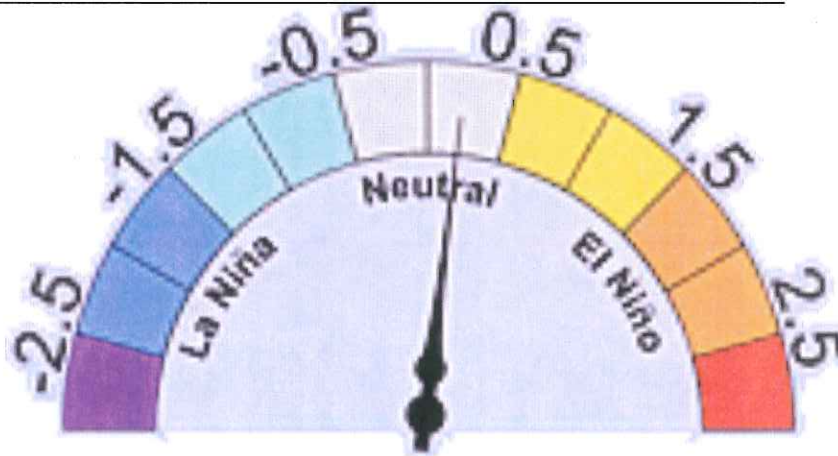
At the March 10th meeting of the board of Supervisors, County leadership was briefed on the status of the COVID-19 virus in the County. Dr. Nicole Quick reported that as of March 9, 2020, there were 133 confirmed cases in California but only five in our county. One of the five has been released from quarantine, while the other four remain sequestered. None of the five cases were a result of “community spread” Dr. Quick, Orange County’s Health Officer assessed that the risk of mass contagion in Orange County is low but she remains most concerned with adults over 60 years of age or those with underlying health problems. If things get worse, the emergency system in Orange County won’t be triggered until an emergency proclamation is made by any city or by the county. Extraordinary actions like school closures would be handled on a case by case basis.

The County also received an update from County Airport Director Barry Rondinella who briefed numerous new steps for cleaning and sterilizing at the airport.

Saying Good-bye to Shane Silsby

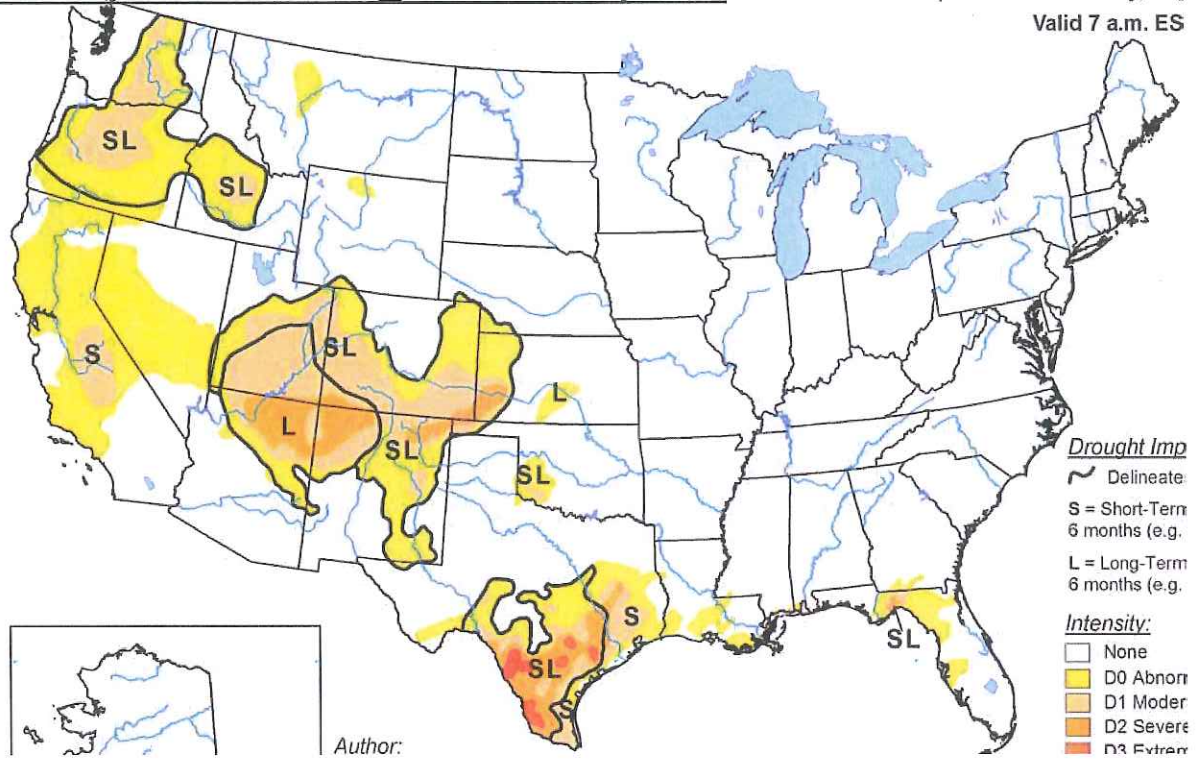
For six and half years Shane Silsby has served as Director of Orange County Public Works. During his tenure Silsby has won national acclaim for the job he has done in modernizing many facets of County government and adopting the latest technology along the way. March 9 was his last day on the job as he assumes a position at AECOM becoming their western states director overseeing thirty offices from Colorado to Hawaii.

ENSO METER El Niño - Southern Oscillation

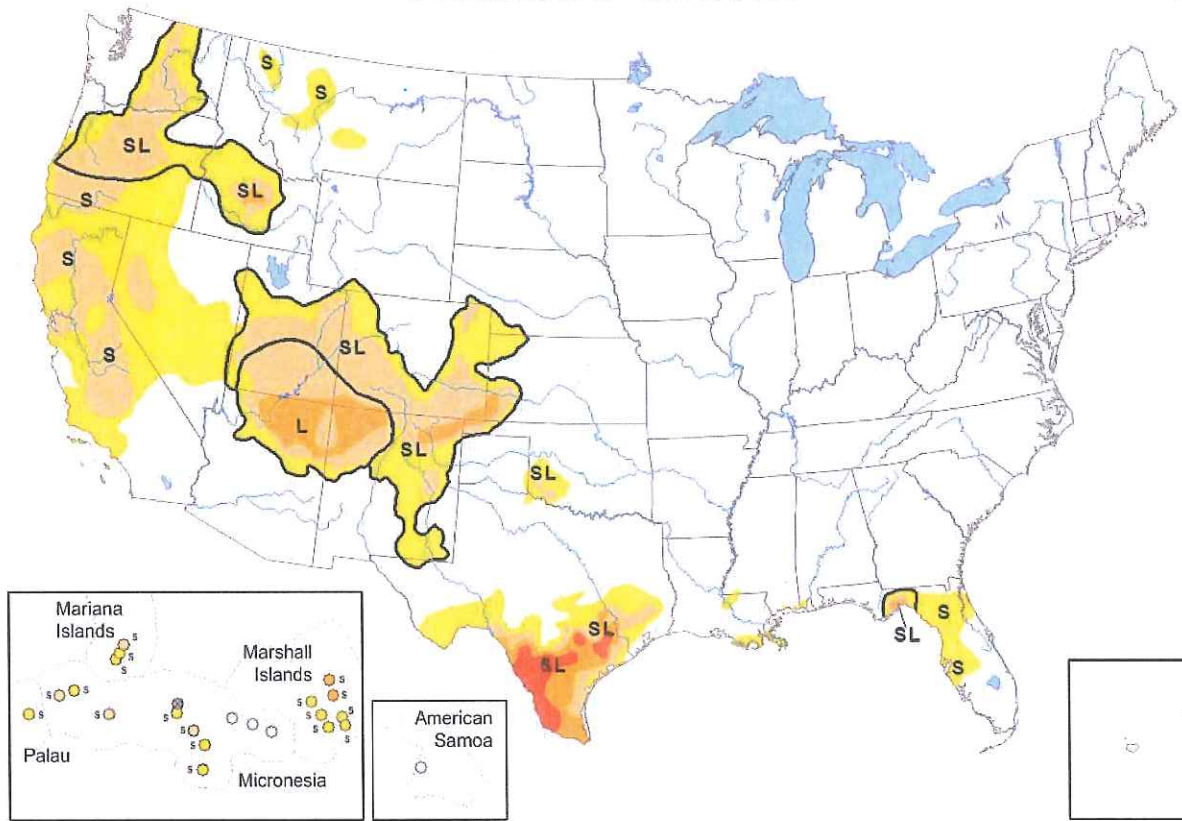


After flirting with very weak El Niño conditions, we are solidly back in neutral territory . . . neither El Niño or La Niña.

Did Last Week's Rain Make an Impact?



FEBRUARY 18, 2020



MARCH 5, 2020

Municipal Water District of Orange County Item No. 1e

PAL Committee, 3/16/2020

Prepared by Best Best & Krieger LLP

A. Priority Support/Oppose

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 2093	Gloria D	Public records: writing transmitted by electronic mail: retention.	3/10/2020-Action From JUD.: Do pass.To APPR..	Would, unless a longer retention period is required by statute or regulation, or established by the Secretary of State pursuant to the State Records Management Act, require a public agency, for purposes of the California Public Records Act, to retain and preserve for at least 2 years every public record, as defined, that is transmitted by electronic mail.	Out for Analysis	A. Priority Support/Oppose	
AB 2182	Rubio, Blanca D	Emergency backup generators: water and wastewater facilities: exemption.	3/2/2020-Referred to Coms. on U. & E. and NAT. RES.	Would exempt the operation of an alternative power source, as defined, to provide power to a critical facility, as defined, from any local, regional, or state regulation regarding the operation of that source. The bill would authorize providers of essential public services, in lieu of compliance with applicable legal requirements, to comply with the maintenance and testing procedure set forth in the National Fire Protection Association Standard for Emergency and Standby Power System, NFPA 110, for alternative power sources designated by the providers for the support of critical facilities.	Out for Analysis	A. Priority Support/Oppose	
AB 2296	Quirk D	State Water Resources Control Board: local primacy delegation: funding stabilization program.	2/24/2020-Referred to Com. on E.S. & T.M.	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	
AB 2560	Quirk D	Water quality: notification and response levels: procedures.	2/20/2020-From printer. May be	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	Out for Analysis	A. Priority Support/Oppose	

			heard in committee March 21.	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 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 and peer review procedures, as prescribed, when establishing or revising notification or response levels.			
SB 45	Allen D	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	
SB 996	Portantino D	State Water Resources Control Board: Constituents of Emerging Concern Program.	3/5/2020-Referred to Com. on EQ.	Would require the State Water Resources Control Board to establish by an unspecified date and then maintain an ongoing, dedicated program called the Constituents of Emerging Concern Program to support and conduct research to develop information and, if necessary, provide recommendations to the state board on constituents of emerging concern in drinking water that may pose risks to public health. The bill would require the state board to establish the Stakeholder Advisory Group and the Science Advisory Panel, both as prescribed, to assist in the gathering and development of information for the program, among other functions. The bill would require the program to provide opportunities for public participation, including conducting stakeholder meetings and workshops to solicit relevant information and feedback for development and implementation of the program.	Out for Analysis	A. Priority Support/ Oppose	
SB 1099	Dodd D	Emergency backup generators: critical facilities: exemption.	2/27/2020-Referred to Com. on EQ.	Would, consistent with federal law, require air districts to adopt a rule, or revise its existing rules, to allow critical facilities with a permitted emergency backup generator to use that emergency backup generator during a deenergization event or other loss of power, and to test and maintain that emergency backup generator, as specified, without having that usage, testing, or maintenance count toward that emergency backup generator's time limitation on actual usage and routine testing and maintenance. The bill would prohibit air districts from	Out for Anaysis	A. Priority Support/ Oppose	

imposing a fee on the issuance or renewal of a permit issued for those critical facility emergency backup generators.

B. Watch

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 1957	Gallagher R	Paradise Irrigation District: water pipeline: design-build process.	2/18/2020- Re-referred to Com. on L. GOV.	Current law authorizes, until January 1, 2025, local agencies, as defined, to use the design-build project delivery process, as specified, for specified public works. This bill would authorize the Paradise Irrigation District to utilize the design-build project delivery process to assign contracts for the construction of a water conveyance pipeline from the Town of Paradise to the City of Chico.	Watch	B. Watch	
AB 2095	Cooper D	Water theft: enhanced penalties.	2/24/2020- Re-referred to Com. on L. GOV.	Current law authorizes the legislative body of a city or a county to make, by ordinance, any violation of an ordinance subject to an administrative fine or penalty and limits the maximum fine or penalty amounts for infractions, to \$100 for the first violation, \$200 for a 2nd violation of the same ordinance within one year of the first violation, and \$500 for each additional violation of the same ordinance within one year of the first violation. This bill would authorize the legislative body of a city or a county to make, by ordinance, any violation of an ordinance regarding water theft, as defined, subject to an administrative fine or penalty in excess of the limitations above, as specified.	Out for Analysis	B. Watch	
AB 2148	Quirk D	Climate change: adaptation: regional climate adaptation planning groups: regional climate adaptation plans.	3/9/2020- Re-referred to Com. on NAT. RES.	Current law establishes the Integrated Climate Adaptation and Resiliency Program, administered by the Office of Planning and Research, to coordinate regional and local efforts with state climate adaptation strategies to adapt to the impacts of climate change, as specified. This bill would require the Strategic Growth Council, by July 1, 2021, to establish guidelines for the formation of regional climate adaptation planning groups. The bill would require the council, by July 1, 2022, to develop criteria for the development of regional climate adaptation plans.	Out for Analysis	B. Watch	
AB 2322	Friedman D	Small water suppliers and rural communities: drought and water shortage planning: repeal.	2/15/2020- From printer. May be heard in committee March 16.	Current law makes legislative findings and declarations regarding drought planning for small water suppliers and rural communities, and requires the Department of Water Resources, in consultation with the State Water Resources Control Board and other relevant state and local agencies and stakeholders, to use available data to identify, no later than January 1, 2020, small water suppliers and rural communities that may be at risk of drought and water shortage vulnerability and notify counties and groundwater sustainability agencies of those suppliers or communities. Current law	Watch	B. Watch	

				requires the department, in consultation with the state board, to propose to the Governor and the Legislature, by January 1, 2020, recommendations and guidance relating to the development and implementation of countywide drought and water shortage contingency plans to address the planning needs of small water suppliers and rural communities, as provided. This bill would repeal these provisions.			
AB 2324	Friedman D	Urban water use.	2/15/2020- From printer. May be heard in committee March 16.	Current law requires the Department of Water Resources, in coordination with the State Water Resources Control Board, to conduct necessary studies and investigations, as prescribed, and make a recommendation to the Legislature, by January 1, 2020, on the feasibility of developing and enacting water loss reporting requirements for urban wholesale water suppliers. This bill would repeal these provisions.	Watch	B. Watch	
AB 3256	Garcia, Eduardo D	Climate risks: bond measure.	2/24/2020- Read first time.	The California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, approved by the voters as Proposition 68 at the June 5, 2018, statewide direct primary election, authorizes the issuance of bonds in the amount of \$4,000,000,000 pursuant to the State General Obligation Bond Law to finance a drought, water, parks, climate, coastal protection, and outdoor access for all program. This bill would state the intent of the Legislature to enact a bond measure that would address climate risks to the State of California.	Out for Analysis	B. Watch	
SB 797	Wilk R	Water resources: permit to appropriate: application procedure.	3/3/2020- Set for hearing March 24.	Current law requires the State Water Resources Control Board to issue and deliver a notice of an application as soon as practicable after the receipt of an application for a permit to appropriate water that conforms to the law. Current law allows interested persons to file a written protest with regard to an application to appropriate water and requires the protestant to set forth the objections to the application. Current law declares that no hearing is necessary to issue a permit in connection with an unprotested application, or if the undisputed facts support the issuance of the permit and there is no disputed issue of material fact, unless the board elects to hold a hearing. This bill, if the board has not rendered a final determination on an application for a permit to appropriate water within 30 years from the date the application was filed, would require the board to issue a new notice and provide an opportunity for protests before rendering a final determination, with specified exceptions.	Out for Analysis	B. Watch	
SB 971	Hertzberg D	Small water supplier and countywide water shortage	3/3/2020- Set for hearing March 24.	Would require a small water supplier, as defined, with 1,000 to 2,999 service connections, inclusive, to prepare and adopt a small water supplier water shortage	Out for Analysis	B. Watch	

		contingency planning.		contingency plan that consists of specified elements. The bill would require a small water supplier with 15 to 999 service connections, inclusive, to take specified actions related to water shortage planning and response. The bill would require small water suppliers to provide to the public, and to report, the plan and specified water shortage planning information, as prescribed.			
SB 1011	Dahle R	Water quality: waste discharge requirements: fees: report.	2/27/2020- Referred to Com. on RLS.	The Porter-Cologne Water Quality Control Act, with certain exceptions, requires a waste discharger to file a report of waste discharge with a California regional water quality control board and to pay an annual fee established by the State Water Resources Control Board (state board). The act requires the state board to report to the Governor and the Legislature on the expenditure of those annual fees on or before January 1 of each year. This bill would make a nonsubstantive change to these provisions.	Out for Analysis	B. Watch	
SB 1044	Allen D	Firefighting equipment and foam: PFAS chemicals.	2/27/2020- Referred to Coms. on EQ., G.O., and JUD.	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	
SB 1056	Portantino D	Drinking water: testing: perfluoroalkyl and polyfluoroalkyl substances.	2/27/2020- Referred to Com. on EQ.	Would require the State Water Resources Control Board, on or before January 1, 2022, to certify a methodology or methodologies for testing drinking water, groundwater, and surface water for perfluoroalkyl and polyfluoroalkyl substances, as provided, and to accredit qualified laboratories in California to analyze perfluoroalkyl and polyfluoroalkyl substances pursuant to the adopted methodology or methodologies.	Out for Analysis	B. Watch	
Total Measures: 18							
Total Tracking Forms: 18							

**The Metropolitan Water District of Southern California
State Legislative Matrix
March 9, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p>AB 1071 Limon (D)</p> <p>Sponsor: California Climate and Agricultural Network</p>	<p>Amended 1/6/2020</p> <p>Senate</p>	<p>Climate change: agriculture: Agricultural Climate Adaptation Tools Program: grants</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>SUPPORT</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>AB 1580 Levine (D)</p> <p>Sponsor: Author</p>	<p>Amended 7/1/2019</p> <p>Senate Appropriations Committee - Suspense File</p>	<p>Major infrastructure construction projects: oversight committees</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>OPPOSE</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
March 9, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;">AB 2246 Mayes (I)</p> <p>Sponsor: Metropolitan</p>	<p style="text-align: center;">Introduced 2/13/2020</p>	<p>Surface Mining and Reclamation Act of 1975: exemption: Metropolitan Water District of Southern California</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 style="text-align: center;">SPONSOR</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;">SB 45 Allen (D)</p> <p>Sponsor: Author</p>	<p style="text-align: center;">Amended 1/23/2020</p> <p style="text-align: center;">Assembly</p>	<p>Wildfire, Drought, and Flood Protection Bond Act of 2020</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;">SUPPORT AND AMEND</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
March 9, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p>SB 69 Wiener (D)</p> <p>Sponsors: California Coastkeeper Alliance and Pacific Coast Federation of Fishermen's Associations</p>	<p>Amended 7/11/2019</p> <p>Assembly Appropriations Committee – Suspense File</p>	<p>Ocean Resiliency Act of 2019</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>WATCH</p> <p>Based upon Board-adopted 2019 State Legislative Priorities and Principles</p>	<p>Would replace existing forestry, fishery and water quality regulatory processes with 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>SB 204 Dodd (D)</p> <p>Sponsor: Delta Counties Caucus</p>	<p>Amended 5/17/2019</p> <p>Assembly Water, Parks and Wildlife</p>	<p>State Water Project: contracts</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>WATCH</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
March 9, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p>SB 414 Caballero (D)</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>Small System Water Authority Act of 2019</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>SUPPORT</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>SB 559 Hurtado (D)</p> <p>Sponsor: Friant Water Authority</p>	<p>Amended 7/3/2019</p> <p>Assembly Appropriations Committee- Suspense File</p>	<p>Department of Water Resources: grant: Friant-Kern Canal</p> <p>Seeks to address problems of land subsidence on the federally-owned Friant Kern Canal.</p>	<p>SUPPORT IF AMENDED</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>

**The Metropolitan Water District of Southern California
State Legislative Matrix
March 9, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;">SB 996 Portantino (D)</p> <p style="text-align: center;">Sponsor: Metropolitan</p>	<p style="text-align: center;">Introduced 2/13/2020</p>	<p>State Water Resources Control Board: Constituents of Emerging Concern Program</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;">CO-SPONSOR</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>
<p style="text-align: center;">SB 1044 Allen (D)</p> <p style="text-align: center;">Sponsor: California Professional Firefighters and Natural Resources Defense Council</p>	<p style="text-align: center;">Introduced 2/18/2020</p>	<p>Firefighting equipment and foam: PFAS chemicals</p> <p>Requires any seller, including a manufacturer, of firefighting personal protective equipment to provide written notice to the purchaser at the time of sale if the equipment contains PFAS. In addition, the bill prohibits the discharge of state class B firefighting foam that contains intentionally added PFAS.</p>	<p style="text-align: center;">SUPPORT</p> <p style="text-align: center;">Based upon Board approved 2020 State Legislative Priorities and Principles</p>	<p>Metropolitan and member agencies benefit from this bill because banning the use of PFAS-laden firefighting foam would protect source waters. 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>

**The Metropolitan Water District of Southern California
State Legislative Matrix
March 9, 2020**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p>SB 1099 Dodd (D)</p> <p>Co-Sponsors: California Municipal Utilities Association and Las Virgenes Municipal Water District</p>	<p>Introduced: 2/19/2020</p>	<p>Emergency backup generators: critical facilities: exemption.</p> <p>Directs air districts to adopt or revise an existing rule that will allow critical facilities with permitted emergency back-up generators that are used as prescribed, to not have those uses count against required operational limitations.</p>	<p>SUPPORT and SEEK AMENDMENTS</p> <p>Based upon Board adopted 2020 State Legislative Priorities and Principles</p>	<p>The bill would provide flexibility in running emergency back-up generators. This is essential for water agencies confronted with a loss of power loss as a means to maintain water service and water quality for the community.</p>

ETWD Public Education and Outreach Report

March 26, 2020

COVID-19 Messaging

ETWD has issued information on COVID-19 and the safety of drinking water, office closure and a do not flush wipes message through the following communication channels: website, social media, bill insert, and Laguna Woods Village E-Blast.

Bill Message:

The customer March/April bill message: As of March 19, 2020, ETWD is temporarily closing its administrative office to the public. We are here to serve you Monday – Friday 7:30 a.m. – 5:00 p.m. by phone at (949) 837-0660 or by email at CustomerService@etwd.com. You can view or pay your bill 24/7 online at <https://etwd.com/view-pay-yourbill/>. Thank you for your assistance during this unprecedented time.

Laguna Woods Village TV-6

TV-6 presentations are cancelled until further notice.

Community Events/Outreach

All current events have been cancelled.

**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
February 26, 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 1st through June 30th.

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

1) Residential Rebate Program:

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

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

2) Commercial Plumbing/Irrigation Devices Rebate Program:

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

*Designated recycled water sites are not eligible for turf removal rebates. ETWD has discontinued synthetic turf rebates. Additional commercial rebates available online at ocwatersmart.com. MWDOC Grant funding based on availability.

Turf Removal Program Inspections

MMWDOC will move customers that recently applied for the turf removal program to an on hold status during the COVID-19 event. Customers that are in the final stages will be handled on a case by case basis.

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 February 2020 year-to-date sales, residential accounted for 63% of the overall Tier 3 usage and dedicated irrigation accounted for 58% of Tier 4 usage.](#)

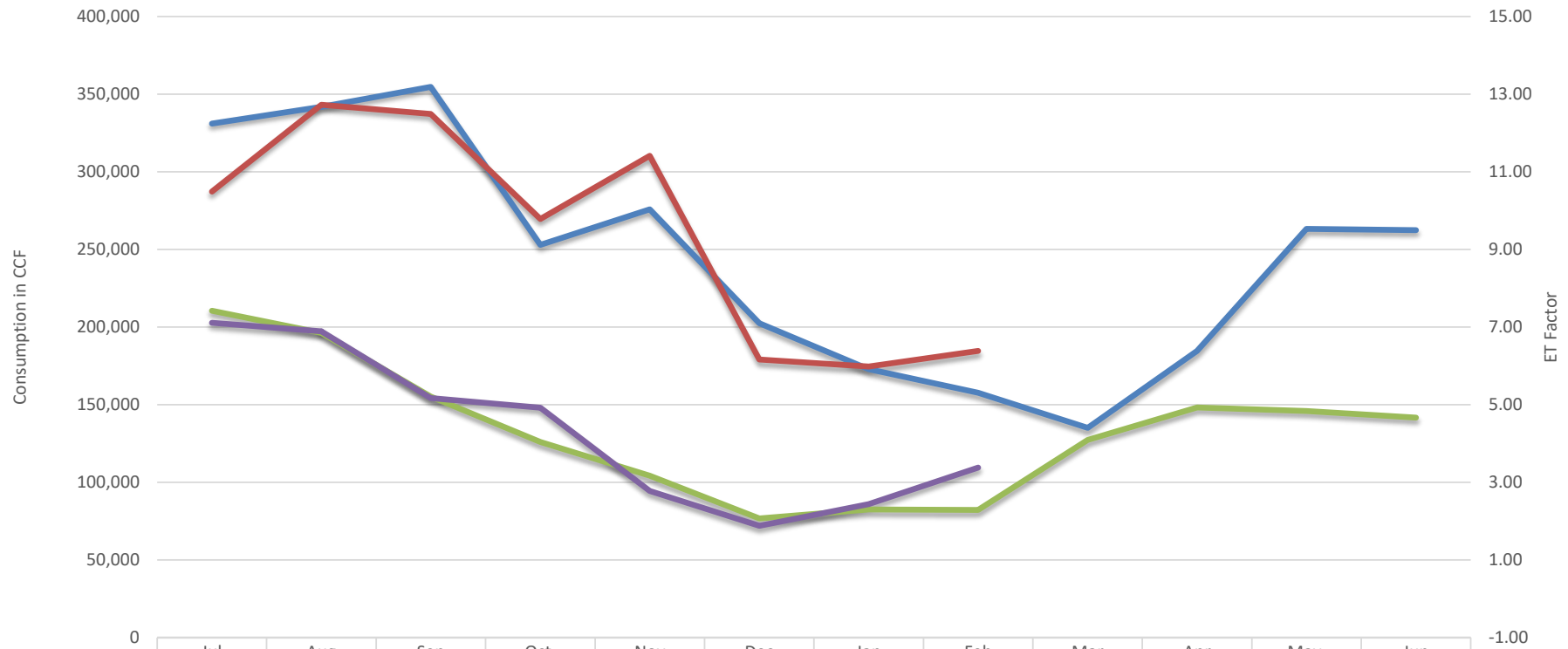
TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

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 17% from February 2019 when compared to February 2020. There was a 32.25% increase in consumption reflected in February 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.

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				
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				
%	87%	100%	95%	107%	113%	88%	101%	117%	0%	0%	0%	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	24.8	8.1	\$23,339
*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
Totals			928.2	302.5	\$873,502

- * 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	January-20	179	0.51	1,226	14.21	120,479	4,156	33,870
Smart Timer Program - Irrigation Timers	2004	January-20	132	2.27	2,456	53.51	26,522	8,660	55,228
Rotating Nozzles Rebate Program	2007	January-20	101	0.40	3,163	12.65	570,322	2,787	21,101
Commercial Plumbing Fixture Rebate Program	2002	January-20	335	1.03	3,528	43.14	108,480	5,295	55,085
Industrial Process/Water Savings Incentive Program (WSIP)	2006	January-20	0	0.00	3	200.18	37	1,257	4,520
Turf Removal Program ^[3]	2010	January-20	12,931	0.15	232,684	12.65	22,625,737	3,168	16,455
High Efficiency Toilet (HET) Program	2005	January-20	11	0.04	129	5.49	60,502	2,236	21,864
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 ^[2]	1992						363,926	13,452	162,561
Home Water Surveys ^[2]	1995						11,867	160	1,708
Showerhead Replacements ^[2]	1991						270,604	1,667	19,083
Total Water Savings All Programs			4	243,189	342	24,856,903	53,564	464,628	

⁽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	18	-	1,993	0.18	560.22	1,031
Buena Park	105	106	91	76	54	50	46	11	-	1,625	0.09	445.62	841
East Orange CWD RZ	10	8	8	8	3	1	6	2	-	201	0.02	59.47	104
El Toro WD	134	121	111	65	47	50	40	20	-	1,631	0.24	447.10	844
Fountain Valley	115	102	110	76	65	48	39	17	-	2,504	0.20	734.39	1,296
Garden Grove	190	162	165	251	127	87	70	30	-	3,750	0.23	1,055.42	1,940
Golden State WC	265	283	359	260	138	156	92	47	-	5,310	0.49	1,498.26	2,748
Huntington Beach	334	295	319	225	180	139	93	61	-	8,539	0.67	2,543.39	4,418
Irvine Ranch WD	1,763	1,664	1,882	1,521	1,369	1,194	883	301	-	27,040	3.84	7,245.54	13,991
La Habra	82	114	87	66	53	48	48	22	-	1,445	0.27	392.01	748
La Palma	34	25	34	29	10	14	7	8	-	487	0.10	135.32	252
Laguna Beach CWD	38	37	39	32	19	20	18	8	-	978	0.09	279.77	506
Mesa Water	114	86	89	113	79	53	42	20	-	2,632	0.24	781.63	1,362
Moulton Niguel WD	442	421	790	688	574	524	357	181	-	10,982	1.98	2,881.49	5,682
Newport Beach	116	92	95	66	61	51	41	16	-	2,732	0.19	823.71	1,414
Orange	218	163	160	124	80	73	56	29	-	4,056	0.34	1,213.78	2,099
San Juan Capistrano	76	73	92	63	33	32	23	14	-	1,528	0.14	435.26	791
San Clemente	140	94	141	75	70	83	64	32	-	2,799	0.37	789.41	1,448
Santa Margarita WD	553	662	792	466	367	271	213	145	-	10,145	1.73	2,774.17	5,249
Seal Beach	31	29	38	23	9	17	8	13	-	640	0.14	181.49	331
Serrano WD	13	10	26	8	11	8	2	3	-	370	0.02	109.93	191
South Coast WD	89	79	68	43	44	36	28	19	-	1,667	0.24	469.59	863
Trabuco Canyon WD	30	45	47	34	28	22	13	8	-	841	0.09	235.49	435
Tustin	78	59	80	66	44	48	34	13	-	1,707	0.13	495.85	883
Westminster	121	82	109	149	84	65	46	19	-	2,716	0.23	771.97	1,405
Yorba Linda	181	167	156	123	55	66	43	36	-	3,896	0.45	1,163.90	2,016
MWDOC Totals	5,365	5,094	6,002	4,726	3,661	3,211	2,365	1,093	-	102,226	12.72	28,528.61	19,750
Anaheim	331	285	295	266	213	173	135	61	-	11,051	0.73	3,324.69	5,718
Fullerton	200	186	211	165	107	99	113	59	-	3,966	0.63	1,112.82	2,052
Santa Ana	163	131	132	259	141	124	128	13	-	3,236	0.13	903.91	1,674
Non-MWDOC Totals	694	602	638	690	461	396	376	133	-	18,253	1.49	5,341.42	3,526
Orange County Totals	6,059	5,696	6,640	5,416	4,122	3,607	2,741	1,226	-	120,479	14.21	33,870.03	23,276

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		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.	
Brea	9	8	4	0	43	6	20	4	31	4	32	0	33	0	24	0	220	80	585.35
Buena Park	3	0	0	0	4	10	7	4	10	7	15	3	17	7	15	1	78	52	186.72
East Orange CWD RZ	2	0	0	0	2	0	1	0	11	1	6	0	1	0	0	0	32	1	26.86
El Toro WD	7	2	11	0	8	9	9	17	33	8	29	4	34	0	16	0	194	359	2,729.70
Fountain Valley	3	2	4	0	7	10	13	1	33	12	28	12	36	4	24	(2)	179	54	232.40
Garden Grove	5	2	9	0	10	14	13	11	28	0	27	2	36	3	23	0	187	43	211.61
Golden State WC	9	49	9	25	39	12	35	16	56	37	88	6	85	15	48	0	446	213	980.18
Huntington Beach	18	33	20	35	19	2	42	12	88	94	70	30	105	65	45	13	492	376	1,348.19
Irvine Ranch WD	414	135	71	59	67	310	239	207	344	420	416	78	379	105	186	29	2,750	2,498	13,162.63
La Habra	4	7	2	0	4	7	3	1	12	7	8	0	19	3	14	(2)	77	45	237.72
La Palma	1	0	2	0	2	0	3	2	1	0	5	0	7	0	5	0	27	2	8.38
Laguna Beach CWD	76	2	71	0	86	0	86	1	27	0	11	0	8	0	10	0	526	20	272.59
Mesa Water	10	2	15	2	17	28	36	12	149	41	49	0	34	55	20	0	421	209	894.01
Moulton Niguel WD	51	74	40	45	46	95	163	100	236	129	284	33	316	64	161	(31)	1,675	867	4,280.63
Newport Beach	242	26	168	75	11	9	28	43	30	12	24	0	21	0	5	14	1,088	423	2,941.42
Orange	20	24	13	9	18	31	51	13	69	10	61	13	93	26	75	0	514	204	1,095.57
San Juan Capistrano	14	18	6	11	6	19	20	8	22	8	23	5	20	1	14	9	279	140	746.29
San Clemente	26	7	28	2	28	24	26	3	37	13	38	41	36	0	25	0	1,150	415	3,015.67
Santa Margarita WD	53	171	64	93	53	321	189	136	326	221	273	220	222	37	150	9	1,799	1,638	6,936.47
Seal Beach	1	0	1	36	1	12	2	2,446	2	4	5	0	6	31	6	0	24	2,533	6,825.34
Serrano WD	1	0	0	0	4	0	11	2	4	0	8	0	10	0	6	0	62	2	18.26
South Coast WD	13	16	8	4	104	73	9	11	7	0	15	2	7	7	11	0	311	221	1,312.17
Trabuco Canyon WD	6	0	2	0	6	1	16	50	13	3	20	0	33	0	26	0	182	157	1,063.63
Tustin	8	4	9	1	18	14	33	8	33	23	27	1	37	0	31	0	238	81	404.72
Westminster	1	1	2	0	13	17	7	1	17	12	22	0	24	0	18	0	129	44	232.49
Yorba Linda	20	0	12	5	32	2	61	27	72	71	68	10	74	4	73	5	553	202	990.43
MWDOC Totals	1,017	583	571	402	648	1,026	1,123	3,136	1,691	1,137	1,652	460	1,693	427	1,031	45	13,633	10,879	50,739.42

Anaheim	19	10	9	26	7	52	30	34	87	10	66	0	142	73	80	3	532	533	2,981.41
Fullerton	9	29	8	0	40	26	32	12	53	7	45	0	77	0	42	8	363	207	1,083.63
Santa Ana	8	19	7	8	9	27	22	26	15	3	16	0	24	20	13	120	135	240	423.47
Non-MWDOC Totals	36	58	24	34	56	105	84	72	155	20	127	0	243	93	135	131	1030	980	4,488.51

Orange County Totals	1,053	641	595	436	704	1,131	1,207	3,208	1,846	1,157	1,779	460	1,936	520	1,166	176	14,663	11,859	55,228
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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			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	
	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	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	0	49	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	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	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	795	283	0	21.86
Garden Grove	80	0	0	88	50	0	110	0	0	55	98	0	52	0	0	0	0	0	72	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	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	0	30	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	119	0	0	47,684	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	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	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	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	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	153	0	448	0	13,928	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	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	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	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	0	35	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	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	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	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	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	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	0	0	0	3,448	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	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	6,115	4,359	500	519.44
MWDOC Totals	36,622	21,669	0	19,818	65,250	0	20,883	24,634	0	1,556	31,599	0	2,199	-710	0	1,043	1,980	0	###	1,652	0	197,372	281,755	14,752	18,603.02
Anaheim	338	0	0	498	712	0	794	5,221	0	147	3,953	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	31	0	0	3,081	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	893	5,752	0	150.90
Non-MWDOC Totals	531	2,533	0	1,492	1,908	0	1,315	13,656	0	212	8,093	0	0	0	0	140	0	0	65	0	0	7,994	66,860	1,589	2,498.29
Orange County Totals	37,153	24,202	0	21,310	67,158	0	22,198	38,290	0	1,768	39,692	0	2,199	-710	0	1,183	1,980	0	###	1,652	0	205,366	348,615	16,341	21,101.31

COMMERCIAL PLUMBING FIXTURES INSTALLED BY AGENCY^[1]
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	73	1,680	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	289	2,056	847
Garden Grove	4	1	167	676	410	0	354	353	3,158	1,992
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	0	3,172	2,139
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	382	6,402	2,544
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	229	2,041	1,135
Westminster	1	28	0	146	177	25	0	160	1,323	1,293
Yorba Linda	1	0	0	226	84	338	0	83	1,016	749
MWDOC Totals	1,594	1,172	2,161	17,275	13,829	5,830	10,102	2,458	81,401	37,380
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	129	6,455	6,127
Non-MWDOC Totals	275	359	646	4,841	1,168	2,664	1,077	1,070	27,079	17,705
Orange County Totals	1,869	1,531	2,807	22,116	14,997	8,494	11,179	3,528	108,480	55,085

[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	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
Buena Park	0	0	0	0	1	0	0	0	0	2	54	600
East Orange	0	0	0	0	0	0	0	0	0	0	0	0
El Toro	0	0	0	0	0	0	0	1	0	1	9	13
Fountain Valley	0	0	0	0	0	1	0	0	0	1	23	67
Garden Grove	0	0	0	0	1	0	0	0	1	2	7	3
Golden State	0	0	0	0	0	0	0	0	1	2	58	49
Huntington Beach	0	2	0	1	2	0	1	0	0	6	180	897
Irvine Ranch	1	1	1	0	2	1	1	0	0	10	119	851
La Habra	0	0	0	0	1	0	0	0	0	1	0	1
La Palma	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
Mesa Water	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
Newport Beach	0	0	0	1	0	0	0	0	0	1	21	109
Orange	0	0	0	0	1	2	1	0	0	5	97	674
San Juan Capistrano	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
Santa Margarita	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
Serrano	0	0	0	0	0	0	0	0	0	0	0	0
South Coast	0	0	0	0	1	1	0	0	0	2	134	392
Trabuco Canyon	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
Westminster	0	0	0	0	0	0	0	1	0	1	117	88
Yorba Linda	0	0	0	0	0	0	0	1	0	1	20	28
MWDOC Totals	1	3	1	2	9	5	3	3	2	35	840	3772
Anaheim	0	0	0	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	0	0	0	0	1	1	282	141
Santa Ana	0	0	0	0	1	0	0	0	0	1	135	608
OC Totals	1	3	1	2	10	5	3	3	3	37	1257	4520

[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^[1]
 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	2,337	0	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	0	48,595	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	6,129	0	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	20,182	0	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	1,682	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	5,534	0	416,749	295,334	483.49
Moulton Niguel	14,739	40,741	314,250	1,612,845	889,748	1,059,279	220,749	0	98,271	0	106,574	0	62,994	0	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	0	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	3,987	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	7,056	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	0	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	390	0	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	432	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	8,124	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	2,186	0	525,303	145,403	476.30
MWDOC Totals	238,978	304,598	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	424,780	264,697	288,590	509,385	135,077	97,607	9,679,083	12,704,756	16,445.98

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	-
Non-MWDOC Totals	0	9,214	0	0	0	0	0	0	0	0	0	0	0	0	0	9,214	9.03

Orange County Totals	238,978	313,812	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	424,780	264,697	288,590	509,385	135,077	97,607	9,679,083	12,713,970	16,455
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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	4	0	2,057	699.59
Fountain Valley	0	41	132	220	7	8	1	3	0	835	314.34
Garden Grove	0	63	350	363	7	4	5	0	0	1,493	538.63
Golden State WC	2	142	794	512	9	11	5	6	0	2,812	997.63
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	51	0	17,361	6,771.66
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	1	0	1,625	719.42
Moulton Niguel WD	0	400	2,497	1,939	49	38	21	14	0	5,763	1,590.90
Newport Beach	0	49	168	243	11	6	0	0	0	731	239.39
Orange	1	142	978	416	17	10	5	2	0	2,196	702.57
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	6	0	3,359	937.49
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	1	0	1,262	442.53
MWDOC Totals	1,651	3,330	12,038	11,118	958	424	257	107	0	51,494	18,285.12
Anaheim	0	156	1,188	614	70	19	5	9	0	5,898	2,444.59
Fullerton	0	61	293	286	14	9	8	5	0	1,077	360.31
Santa Ana	0	33	602	293	20	0	4	4	0	2,029	774.23
Non-MWDOC Totals	0	250	2,083	1,193	104	28	17	18	0	9,004	3,579.13
Orange County Totals	1,651	3,580	14,121	12,311	1,062	452	274	125	0	60,498	21,864.25

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



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

AGENDA

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

March 5, 2020
8:30 a.m.

THE BOARD OF DIRECTORS MEETING ROOM IS LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA. THE ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY-RELATED ACCOMMODATIONS (I.E., ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.), PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S BOARD SECRETARY'S OFFICE AT 949-234-5452 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN AN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.

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

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

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.

4. CONSENT CALENDAR

- A. Minutes of Board of Directors Meeting 1
 1. Board of Directors Meeting February 6, 2020

ACTION The Board will be requested to approve subject Minutes

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
March 5, 2020

PAGE NO

- B. Minutes of Executive Committee Meeting 6
- 1. Executive Committee Meeting November 20, 2019
- ACTION The Executive Committee will be requested to receive and file subject Minutes; and the Board will be requested to receive and file subject Minutes
- C. Minutes of Finance Committee Meeting 8
- 1. Finance Committee Meeting November 12, 2019
 - 2. Finance Committee Meeting December 10, 2019
- ACTION The Board will be requested to receive and file subject Minutes
- D. Minutes of Engineering Committee Meeting 16
- 1. Engineering Committee Meeting November 14, 2019
 - 2. Engineering Committee Meeting January 16, 2019
- ACTION The Board will be requested to receive and file subject Minutes
- E. Minutes of PC-15 Committee Meeting 24
- 1. PC-15 Committee Meeting January 16, 2020
- ACTION The Board will be requested to receive and file subject Minutes
- F. Minutes of PC-23 Committee Meeting 26
- 1. PC-23 Committee Meeting January 9, 2020
- ACTION The PC-23 Committee will be requested to receive and file subject Minutes; and the Board will be requested to receive and file subject Minutes
- G. Financial Reports for the Month of November 2019..... 28
- 1. Summary of Disbursements for November 2019 (Exhibit A)
 - 2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
 - 3. Schedule of Cash and Investments (Exhibit C)
 - 4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
 - 5. 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)

AGENDA

South Orange County Wastewater Authority
Board of Directors Meeting
March 5, 2020

ACTION Finance Committee recommends to the Board of Directors to ratify the November 2019 disbursements for the period from November 1, 2019, through November 30, 2019, totaling \$2,154,482, and to receive and file the November 2019 Financial Reports as submitted.

H. Financial Reports for the Month of December 2019..... 47

- 1. Summary of Disbursements for December 2019 (Exhibit A)
- 2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
- 3. Schedule of Cash and Investments (Exhibit C)
- 4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
- 5. 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)

ACTION Finance Committee recommends to the Board of Directors to ratify the December 2019 disbursements for the period from December 1, 2019, through December 31, 2019, totaling \$1,999,492, and to receive and file the December 2019 Financial Reports as submitted.

I. Fiscal Year 2018-19 Additional Cash Distribution to Member Agencies 66

ACTION Finance Committee recommends to the Board of Directors to approve payment of the additional cash from other sources to the Member Agencies as distributed in the Supplemental Financial Statements, Statement of Net Position.

J. FY 2019-20 2nd Quarter Cash Roll Forward 68

ACTION Finance Committee recommends to the Board of Directors to receive and file the Q2 Fiscal Year 2019-20 Cash Roll Forward as submitted.

K. Operational Reports – January 2020 71

- 1. Monthly Operations Report – January 2020
- 2. Ocean Outfall Discharges
- 3. Quarterly Report on Key Operational Expenses
- 4. Beach/Ocean Monitoring Report
- 5. Recycled Water Report
- 6. Pretreatment Report – February 2020

ACTION The Board will be requested to receive and file the January 2020 Operations Reports

AGENDA

South Orange County Wastewater Authority
Board of Directors Meeting
March 5, 2020

- L. Capital Improvement Program Status Report 110
ACTION The Board will be requested to receive and file report(s)

- M. Change Order to SS Mechanical Construction Contract for the Coastal Treatment Plant (CTP) Tertiary System Upgrades Project [PC-15]..... 125
ACTION Staff recommends to the Board of Directors to ratify Change Orders 7 and 11 amending the construction contract with SS Mechanical Construction for the Coastal Treatment Plant Tertiary System Upgrades Project reducing the contract amount by \$34,598.00 for a total contract amount of \$925,844.68.

- 5. GENERAL MANAGER'S REPORTS

- A. Small Capital Hydrogritter Purchases from Flow Systems, Inc. for \$254,023.86 (plus shipping) [PC-15 & PC-17] 127
ACTION Staff recommends to the Board of Directors to authorize the General Manager to purchase there (3) hydrogritters. This includes two (2) units for CTP at a cost of 169,742.89, and one (1) unit for RTP at a cost of \$84,280.97, including shipping costs that will be determined at the time the units are shipped.

- B. Resolution 2020-03, A Resolution of the South Orange County Wastewater Authority Establishing a Disaster Purchasing Policy 129
ACTION Staff recommends to the Board of Directors to review the drafted changes reflecting Board comments from the February 6, 2020 Board meeting and adopt Resolution 2020-03, A Resolution of the South Orange County Wastewater Authority Establishing a Disaster Purchasing Policy.

- C. Information Technology Strategic Plan 2019-2023 142
ACTION Staff recommends to the Board of Directors to receive and file the Technology Strategic Plan 2019-2023 with the inclusion of the revisions addressing the Board's comments and recommendations.

- D. Transition of Danita Hirsh to Full Time Executive Assistant 180
ACTION The Board will be requested to approve the General Manager to move Danita Hirsh to the status of a full-time employee.

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
March 5, 2020

E. General Manager's Status Report 181

ACTION Information and discussion

6. OTHER MATTERS

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

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

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

7. CLOSED SESSION

A. Closed Session Pursuant to Government Code Section 54957

1. Public Employee Performance Evaluation – Title: General Manager

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
APRIL 2, 2020

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

March 12, 2020

8:30 a.m.

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee has been scheduled to be held on **March 12, 2020**, at **8:30 a.m.** at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

THE SOCWA MEETING ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS (J.E., ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.) PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING

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

AGENDA

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

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

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

3. **Approval of Minutes**

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

Recommended Action:

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

4. **Operations Report**

Recommended Action:

Information Item

5. **Capital Improvement Construction Projects Report**

Recommended Action:

Information Item

6. **Knowledge Sharing**

Recommended Action:

Information Item

7. **Proposed Updated CIP Project Numbering**

Recommended Action:

Information Item

8. **Capital Improvement Program Budget**

Recommended Action:

Information Item

9. **San Juan Creek Ocean Outfall Junction Structural Rehabilitation**
[Project Committee 5]

Recommended Action:

Information Item

10. **San Juan Creek Ocean Outfall NPDES Permit**
[Project Committee 5]

Recommended Action:

Staff recommends the Engineering Committee approve the submittal of the updated Report of Waste Discharge to include the Doheny Desal Project into the San Juan Creek Ocean Outfall NPDES permit application.

11. Aliso Creek Ocean Outfall – Draft Strategic Plan for Emergency Outfall Repair
[Project Committee 24]

Recommended Action:

Information Item

12. Innovative Biosolids Update – Responses to Questions
[Project Committees 2 & 17]

Recommended Action:

Staff recommends the Engineering Committee recommend PC 2 and PC 17 Committees meet separately to review the proposals and responses.

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.

Dated this 5th day of March 2020.



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: 634769169**

**March 24, 2020
2:00 p.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 **March 24, 2020 at 2:00 p.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. 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. Pledge of Allegiance
3. 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.

4. Approval of Minutes

- a. Finance Committee Meeting Minutes of February 20, 2020

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

5. Financial Reports for the Month of January 2020

- a. Summary of Disbursements for January 2020 in the amount of \$4,330,515 (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 to recommend to the Board of Directors to ratify the January 2020 disbursements for the period from January 1, 2020, through January 31, 2020, totaling \$4,330,515, and to receive and file the January 2020 Financial Reports as submitted.

6. Financial Reports for the Month of February 2020

- a. Summary of Disbursements for February 2020 in the amount of \$1,873,223 (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)

March 24, 2020

- 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 February 2020 disbursements for the period from February 1, 2020, through February 29, 2020, totaling \$1,873,223, and to receive and file the February 2020 Financial Reports as submitted.

7. FY19/20 O&M & Environmental Budget Update and Proposed Budget Adjustment

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors the PC budget adjusted increases as proposed.

8. FY 2020/2021 O&M / Environmental Budget

The following items will be reviewed during the teleconference meeting to open the SOCWA Budget preparation process. The Committee will be asked to review the information presented and return with questions and comments on the next following Finance Committee teleconference meeting set for April 21, 2020.

- a. Key Budget Assumptions
- b. Staffing Overview
- c. Funding PERS / OPEB Costs
 1. Unfunded Pension Liability and Retiree Health
 2. Payments Removal from Fringe Pool
- d. General Assumptions
 1. Pension Lump Sum Payment; Group Insurance; Ops Costs
 2. General Fund (no change)
 3. Legal Expenditures
- e. Major Cost Drivers
 - Summary O&M by Member Agency
- f. Standby

Recommended Action: Finance Committee review, comments and recommendations for Board consideration.

9. Budget Schedule

- April 21, 2020 – General Fund Budget, Administration and Capital Budget (Presented based on Recommendations of the Engineering Committee)
- May 12, 2020 – Finance Committee Review
- May 19, 2020 – Finance Committee Review
- May 21, 2020 – Board Budget Workshop
- June 4, 2020 – Board Consideration of Budget for Approval

Recommended Action: Information Item.

10. Uniform Purchasing Policy and Procedures – Exhibit 2 – Non-Discretionary Expenses.

Recommended Action: Committee review and comment.

March 24, 2020

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.

Dated this 19th day of March 2020.



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

March 2, 2020, 8:30 a.m.

Conference Room 101

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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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. AMENDMENT NO. 9 TO THE SANTIAGO AQUEDUCT COMMISSION JOINT POWERS AGREEMENT
2. APPROVAL OF RESOLUTION DESIGNATING AUTHORIZED AGENTS FOR FY 2018 GRANT TRANSFER AGREEMENTS FOR HOMELAND SECURITY GRANTS
3. OC REGIONAL DISTRIBUTION SYSTEM HYDRAULIC MODEL INVESTIGATION REPORT

DISCUSSION ITEM

- 4. SANTA ANA RIVER CONSERVATION AND CONJUNCTIVE USE PROJECT (SARCCUP) METROPOLITAN WATER DISTRICT AGREEMENT - DRAFT TERMS

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.)

- 5. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects
- 6. REVIEW OF ISSUES RELATED TO CONSTRUCTION PROGRAMS, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

ADJOURNMENT

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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, Board Room, Fountain Valley, California
March 4, 2020, 8:30 a.m.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC PARTICIPATION/COMMENTS

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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(NEXT RESOLUTION NO. 2093)

PRESENTATION/DISCUSSION ITEMS

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

Recommendation: Receive input and discuss the information.

2. PRESENTATION BY METROPOLITAN WATER DISTRICT'S CHIEF FINANCE OFFICER KATANO KASAINI ON MET'S PROPOSED BIENNIAL BUDGET AND RATES FOR FISCAL YEAR 2020/21 AND 2021/22

Recommendation: Review and discuss the information presented.

INFORMATION ITEMS

3. METROPOLITAN’S 2020 INTEGRATED RESOURCES PLAN (IRP) UPDATE SCHEDULE

Recommendation: Receive and file the information presented.

4. WATER SUPPLY CONDITION UPDATE

Recommendation: Receive and file the information presented.

5. DELTA CONVEYANCE PROJECT ACTIVITIES UPDATE

Recommendation: Receive and file 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 February MET Board Meetings
- b. Review items of significance for MET Board and Committee Agendas

Recommendation: Review and discuss the information presented.

ADJOURNMENT

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

Jointly with the

ADMINISTRATION & FINANCE COMMITTEE

March 11, 2020, 8:30 a.m.

Conference Room 101

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

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

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PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – February 2020
 - b. Disbursement Approval Report for the month of March 2020
 - c. Disbursement Ratification Report for the month of February 2020
 - d. GM Approved Disbursement Report for the month of February 2020
 - e. Water Use Efficiency Projects Cash Flow – February 29, 2020
 - f. Consolidated Summary of Cash and Investment – January 2020
 - g. OPEB and Pension Trust Fund monthly statement

2. FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the Period ending January 31, 2020

DISCUSSION ITEM

- 3. SECOND DRAFT OF THE FY 2020-21 BUDGET
- 4. AMENDMENT TO ADMINISTRATIVE CODE RE DIRECTOR VACANCY

ACTION ITEM

- 5. APPROVE PARTICIPATION IN THE CENTER FOR DEMOGRAPHIC RESEARCH

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

- 6. PUBLIC HEARING DATE SCHEDULED FOR APRIL 15, 2020 RE ORDINANCE SUPERSEDING AND REPEALING MWDOC ORDINANCE NO. 54 REGARDING COMPENSATION FOR DIRECTORS
- 7. DEPARTMENT ACTIVITIES REPORTS
 - a. Administration
 - b. Finance and Information Technology
- 8. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

OTHER ITEMS

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

ADJOURNMENT

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MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
March 16, 2020, 8:30 a.m.
Conference Room 101

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

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

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PRESENTATION ITEM

1. PRESENTATION BY JOEY SOTO (title from Heather)

DISCUSSION ITEMS

2. 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

3. RECAP OF SOUTHERN CALIFORNIA WATER ISSUES CONGRESSIONAL DELEGATION BRIEFING LUNCHEON
4. 2020 OC WATER SUMMIT

ACTION ITEMS

5. SUPPORT FOR CANDIDATE(S) CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) CALL FOR NOMINATIONS: SEAT B – SOUTHERN NETWORK
6. CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) CALL FOR NOMINATIONS: SEAT C – SOUTHERN NETWORK
7. LAFCO DUES REAPPORTIONMENT
8. AB 2093 (GLORIA) – PUBLIC RECORDS RETENTION
9. AB 2178 (LEVINE) – EMERGENCY SERVICES: DE-ENERGIZATION DEFINITION
10. AB 2182 (RUBIO) – EMERGENCY BACKUP GENERATORS, WATER AND WASTEWATER FACILITIES: EXEMPTION
11. AB 2246 (MAYES) – SURFACE MINING RECLAMATION ACT OF 1975: METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
12. AB 2560 (QUIRK) – WATER QUALITY: NOTIFICATION AND RESPONSE LEVELS: PROCEDURES
13. ACR 179 (VOEPEL) – SPECIAL DISTRICTS WEEK
14. SB 996 (PORTANTINO) – STATE WATER RESOURCES CONTROL BOARD: CONSTITUENTS OF EMERGING CONCERN PROGRAM
15. SB 1099 (DODD) – EMERGENCY BACKUP GENERATORS: CRITICAL FACILITIES: EXEMPTION
16. PARTICIPATION IN CALIFORNIA WATER ENERGY EDUCATION ALLIANCE LEADERSHIP ROUNDTABLE (WEEA)
17. CONSIDER CANCELLATION OF APRIL 2, 2020 ELECTED OFFICIALS FORUM DUE TO CONCERNS WITH THE CORONAVIRUS

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.)

18. SCHOOL PROGRAM UPDATE

19. PUBLIC AND GOVERNMENT AFFAIRS ACTIVITIES REPORT

OTHER ITEMS

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

ADJOURNMENT

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REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
March 18, 2020, 8:30 a.m.

AGENDA

MOMENT OF SILENCE

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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NEXT RESOLUTION NO. 2093

CONSENT CALENDAR (Items 1 to 7)

(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. February 5, 2020 Workshop Board Meeting
- b. February 19, 2020 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: February 3, 2020
- b. Administration & Finance Committee Meeting: February 12, 2020
- c. Public Affairs & Legislation Committee Meeting: February 18, 2020
- d. Executive Committee Meeting: February 20, 2020

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of February 29, 2020
- b. MWDOC Disbursement Registers (February/March)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of January 31, 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 December 31, 2019

Recommendation: Receive and file as presented.

5. AMENDMENT NO. 9 TO THE SANTIAGO AQUEDUCT COMMISSION JOINT POWERS AGREEMENT

Recommendation: Approve the execution of Amendment No. 9 to the Santiago Aqueduct Commission (SAC) Joint Powers Agreement by the President of the MWDOC Board.

6. APPROVE PARTICIPATION IN THE CENTER FOR DEMOGRAPHIC RESEARCH

Recommendation: Approve participation in the Center for Demographic Research for fiscal years 2020-21 (\$53,100.32), 2021-22 (\$55,189.31), and 2022-23 (\$57,462.00). These amounts will be included in the budgets for each of the aforementioned fiscal years.

7. OC REGIONAL DISTRIBUTION SYSTEM HYDRAULIC MODEL INVESTIGATION REPORT

*Recommendation: (1) Receive and file the Orange County Regional Distribution System Hydraulic Model Investigation Report. The **updated** report is on the website at: <https://www.mwdoc.com/wp->*

[content/uploads/2020/02/MWDOC-Hydraulic-WQ-Model-Report-20200225.pdf](#); (2) Concur with staff recommendation to proceed with issuance of a Request for Proposals to build and calibrate an OC regional distribution system hydraulic and water quality model based upon the findings of the investigation report; and (3) Direct staff to return to the Board in May 2020 with recommendations for consideration of award of a professional services contract to build and calibrate the hydraulic model.

End Consent Calendar

ACTION ITEMS

8-1 APPROVAL OF RESOLUTION DESIGNATING AUTHORIZED AGENTS FOR 2018 FY GRANT TRANSFER AGREEMENTS FOR HOMELAND SECURITY GRANTS RES. NO. _____

Recommendation: (1) Approve the execution of the 2018 Grant Transfer Agreement with the City of Anaheim as the Local Urban Area Security Initiative (UASI) Administrator and (2) adopt Resolution authorizing the WEROC Director of Emergency Management and the General Manager as designated Authorized Agents for FY 2018 Homeland Security Grants and authority to execute any subsequent agreements related to the Homeland Security Grants. Staff will come back to the Board for a purchase award in the event the award is greater than \$25,000.

8-2 AMENDMENT TO ADMINISTRATIVE CODE RE DIRECTOR VACANCY

Recommendation: Review and discuss whether to amend the Administrative Code regarding Director Vacancies.

8-3 SUPPORT FOR CANDIDATE(S) CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) CALL FOR NOMINATIONS: SEAT B – SOUTHERN NETWORK

Recommendation: (1) Discuss the candidates who have applied for the CSDA Board of Directors, Southern Network, Seat B; (2) Determine which candidate(s), if any, to support for the vacant seat; and (3) Send a letter to the CSDA Board of Directors stating support for MWDOC's preferred candidate(s), if so determined

8-4 CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) CALL FOR NOMINATIONS: SEAT C – SOUTHERN NETWORK

Recommendation: Receive recommendation from the Public Affairs & Legislation Committee on whether a member of the MWDOC Board would like to be nominated and run for the CSDA Board of Directors Southern Network, Seat C.

8-5 LOCAL AREA FORMATION COMMISSIONS (LAFCO) DUES REAPPORTIONMENT FOR SPECIAL DISTRICTS

Recommendation: (1) Review and discuss the proposed formula updated the LAFCO dues apportionment for special districts; and (2) alternatively, authorize/direct President Tamaribuchi's vote on MWDOC's behalf.

8-6 AB 2093 (GLORIA) – PUBLIC RECORDS RETENTION

Recommendation: Adopt an oppose position on AB 2093 (Gloria), and join the California Special Districts Association's (CSDA) coalition letter.

8-7 AB 2178 (LEVINE) – EMERGENCY SERVICES: DE-ENERGIZATION DEFINITION

Recommendation: Adopt a support position on AB 2178 (Levine).

8-8 AB 2182 (RUBIO) – EMERGENCY BACK UP GENERATORS, WATER AND WASTEWATER FACILITIES: EXEMPTION

Recommendation: Adopt a support position on AB 2182 (Rubio), and send a letter to the author and the Association of California Water Agencies (bill sponsor).

8-9 AB 2246 (MAYES) – SURFACE MINING RECLAMATION ACT OF 1975: METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Recommendation: Adopt a support position on AB 2246 (Mayes), and authorize staff to sign on to the Metropolitan Water District of Southern California's coalition letter.

8-10 AB 2560 (QUIRK) – WATER QUALITY: NOTIFICATION AND RESPONSE LEVELS: PROCEDURES

Recommendation: Adopt a support position on AB 2560 (Quirk), and send a letter of support to the author and the California Municipal Utilities Association (CMUA).

8-11 ACR 179 (VOEPEL) – SPECIAL DISTRICTS WEEK

Recommendation: Adopt a support position on ACR 179 (Voepel) proclaiming the week of May 17, 2020 to May 23, 2020, to be Special Districts Week.

8-12 SB 996 (PORTANTINO) – STATE WATER RESOURCES CONTROL BOARD: CONSTITUENTS OF EMERGING CONCERN PROGRAM

Recommendation: Adopt a support position on SB 996 (Portantino), and authorize staff to sign on to the Metropolitan Water District of Southern California's coalition letter.

8-13 SB 1099 (DODD) – EMERGENCY BACKUP GENERATORS: CRITICAL FACILITIES: EXEMPTION

Recommendation: Adopt a support position on SB 1099 (Dodd), and send a letter to the author, the California Municipal Utilities Association, and the Las Virgenes Municipal Water District (bill sponsors).

8-14 PARTICIPATION IN CALIFORNIA WATER ENERGY EDUCATION ALLIANCE LEADERSHIP ROUNDTABLE (WEEA)

Recommendation: Authorize assuming leadership of the Water Energy Education Alliance (WEEA) (option 1).

8-15 CONSIDER CANCELLATION OF APRIL 2, 2020 ELECTED OFFICIALS FORUM DUE TO CONCERNS WITH THE CORONAVIRUS

Recommendation: Receive recommendation from the Public Affairs & Legislation Committee on whether to cancel the April 2, 2020 Elected Officials Forum.

Transfer Agreement with the City of Anaheim as the Local Urban Area Security Initiative
INFORMATION CALENDAR (All matters under the Information Calendar will be Received/Filed as presented following any discussion that may occur)

9. GENERAL MANAGER'S REPORT, MARCH 2020 (ORAL AND WRITTEN)

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

10. 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.

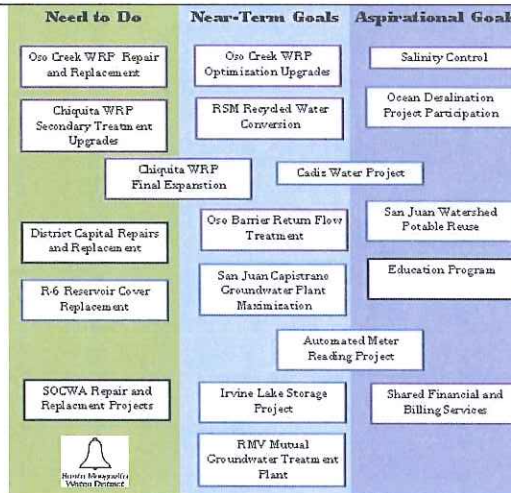
ADJOURNMENT

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
MARCH 2020**

<p>MWDOC Agencies Managers Meeting</p>	<p>MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on.</p> <p>In attendance were: R. Krause – Brea, B. Ingallinera – Brea, M. Sprague – Fountain Valley, C. Pasillas – Garden Grove, B. Ragland – Huntington Beach, P. Cook & P. Weghorst – IRWD, C. Regan – Laguna Beach CWD, P. Lauri – Mesa Water, J. Cruz – Moulton Niguel WD, M. Vukojevic – Newport Beach, J. Kennedy – OCWD, J. Diaz – Orange, S. Myrter – Seal Beach, J. McDivitt & R. Shintaku – South Coast WD, S. Miller – Westminster</p> <p>MWDOC Staff: R. Hunter, K. Seckel, H. De La Torre, C. Busslinger, J. Berg, H. Baez, C. Lingad, K. Hostert</p> <p>Agenda Items:</p> <ul style="list-style-type: none"> • WEROC Introduction - Vicki Osborn, Director of Emergency Management • MWDOC Budget • Metropolitan Budget <p>Follow-up Items:</p> <ul style="list-style-type: none"> • Diemer Chemical Exposure Incident Update • AWIA Update • BUC–AQMD Update <p>The next meeting is tentatively scheduled for Thursday, March 19, 2020.</p>
<p>Meetings</p>	<ul style="list-style-type: none"> ➤ Karl Seckel and Charles Busslinger attended a Strand Ranch meeting with IRWD and MET on February 14, 2020. ➤ Karl Seckel and Charles Busslinger attended the SMWD Strategic Planning Workshop on February 21, 2020. <p>SMWD annually conducts a Strategic Planning Workshop to have a clear direction on projects and funding for the upcoming two to three years. SMWD previously set the following Strategic Goals by 2030:</p> <ul style="list-style-type: none"> • 30% Local Water Supply • Recycle nominally 100% of their wastewater • Develop equivalent of 6 months of storage <p>During the workshop, SMWD reviewed their prioritization of proposed projects categorized by “Need to Do”, “Near-Term Goals” and “Aspirational Goals” shown in the graphic below.</p>

Meetings – continued



Several of the investments were pushed to higher prioritization categories. SMWD will be sharing a recap of the meeting in the near future.

- Charles Busslinger and Rachel Davis attended a meeting on February 10, 2020 on the SOCWMA Flow Ecology Study to discuss the County’s approach to, and definition of, the term “natural flows”. This has been an undefined essential element of the Water Quality Improvement Plan (WQIP) for MS4 compliance and watershed health in South Orange County.
- Charles Busslinger attended the CalDesal Conference on February 6-7, 2020. The conference covered a number of interesting topics. Two that stood out included Dr. Peter Fiske, Director of the Water-Energy Resilience Research Institute (WERRI) at Lawrence Berkeley National Laboratory (a U.S. Department of Energy Innovation Hub) that is attempting to “re-think” the traditional linear water treatment processes to make dramatic improvements in the water industry. Areas of focus for WERRI include autonomous operation of water treatment facilities, precision separation of pollutants, brine management, electrification, and modular membrane systems targeting water constituents tailored to local needs.

The second presentation provided an overview of international desalination efforts that brought into perspective the magnitude of acceptance of ocean desalination around the world. There are currently 47 times the capacity of the Poseidon HB plant in development in the Middle East alone and all of the plants are larger than 100 MGD and producing potable water at less than \$1,000/AF. Australia’s desalination investments have proven themselves due to the recent mega-fires with many of the previously idle desalination plant in full operation and several (including the Sydney desalination facility) in development to double in size.

MET ITEMS CRITICAL TO ORANGE COUNTY

**MET’s
Finance and
Rate Issues**

On February 10, the MET Board set a combined public hearing regarding:

1. The proposed water rates and charges for calendar years 2021 and 2022 necessary to meet the revenue requirements for fiscal years 2020/21 and 2021/22
2. Applicability of the MET Act Section 124.5 ad valorem property tax limitation for fiscal years 2020/21 and 2021/22.

The following schedule will be adhered to:

- Feb. 28, 2020 Notice to the Legislature of public hearing
- Mar. 10, 2020 Public Hearing
- Apr. 14, 2020 Board action to resolution for applicability of the tax rate inc
- Aug. 2020 Board action to adopt tax rate resolution for FY 2020/2021
- Aug. 2021 Board action to adopt tax rate resolution for FY 2021/2022

More information can be found in Item 2 regarding MET’s proposed Bienial Budget and rates for fiscal years 2020/21 and 2021/22

**Colorado
River Issues**

Colorado River Basin Salinity Control Program

On December 6, 2019, the U.S. Bureau of Reclamation (Reclamation) released a draft environmental impact statement (DEIS) for public comment. This DEIS describes the alternatives to replacing the Paradox Valley Unit (Unit), a deep aquifer brine injection well. This well has been used to remove approximately 100,000 tons of salt each year from the Colorado River in the Upper Basin. Ongoing seismic activity near the Unit led Reclamation to temporarily discontinue use of the Unit because the brine injection from the well is believed to be the cause of the seismic activity. Since the DEIS was released, Metropolitan participated in the Salinity Control Forum’s (Forum) work to select a preferred alternative to recommend to Reclamation.

One potential impediment in reaching a consensus-based preferred alternative for the draft EIS is a concern expressed by the seven Basin States regarding long-term funding for the Salinity Control Program, and if the Program can afford additional salinity control projects. The Basin States have developed a draft letter to Reclamation, highlighting the funding issue and expressing an interest to identify and implement a long-term funding solution. Some solutions may require federal legislation and others may require making administrative changes to the operations of the program. The Final EIS is scheduled for release in July 2020, with a Record of Decision in August 2020.

Bard Water District Seasonal Fallowing Program – 2020 Fallowing Call

In December 2019, Metropolitan and Bard Water District (Bard) agreed to a seasonal fallowing program (Program). This Program incentivizes farmers within Bard to

<p>Colorado River Issues -- continued</p>	<p>follow up to 3,000 irrigable acres for a four-month period at \$452 per acre, escalated annually. Metropolitan estimates a water savings of 1.5 to 2.0 acre-feet per irrigable acre. After the agreement was executed in December, Metropolitan sent a letter to Bard seeking participation of 3,000 irrigable acres within Bard Water District during 2020. In order to participate in the fallowing program, participants must have notified Metropolitan of the land offered for fallowing by February 1, 2020 for summer 2020 (April 1–July 31) fallowing.</p>
<p>Bay Delta/State Water Project Issues</p>	<p><u>Habitat Restoration</u></p> <p>Metropolitan and the State Water Contractors (SWC) are funding an update to the 2014 Yolo Bypass Infrastructure and Drainage Study. The Study focuses on the Tule Canal, which is the primary drainage conduit on the Yolo Bypass. It is also an important corridor for out-migrating juvenile salmon and adult salmon returning to spawn. The goal of the study update is to identify opportunities for habitat restoration in synergy with projects that address drainage issues on the Bypass. The U.S. Bureau of Reclamation signed a Record of Decision for the Yolo Bypass Salmonid Habitat Restoration and Fish Passage Project in September 2019. The project, comprising a 100-foot wide set of operable gates in the Fremont Weir, will provide access to floodplain rearing habitat for juvenile salmonids and passage for adults returning to the Sacramento River to spawn.</p> <p><u>Science Activities</u></p> <p>Metropolitan staff continued to collaborate with the SWC to identify and fund science projects addressing science priorities for Metropolitan and the SWC. Metropolitan staff also participated in several collaborative science meetings, including the Interagency Ecological Program Estuarine Ecology, Contaminant and Predation project work teams, Delta Science Program Primary Productivity workshop, and Delta Independent Science Board meetings.</p> <p>Metropolitan staff continued participating in the Collaborative Science and Adaptive Management Program, including participation on the Collaborative Adaptive Management Team (CAMT). At the January 21 CAMT meeting, Metropolitan staff provided input to the proposed 2020 work plan and received updates on salmon and steelhead science activities. Staff continued participation on the Delta smelt Structured Decision Making Technical Work Group and the Salmon Subcommittee to provide technical input to ongoing projects.</p>
<p>ENGINEERING & PLANNING</p>	
<p>Doheny Ocean Desalination Project</p>	<p>On October 30, 2019, South Coast held a Peer Review Cost Estimate workshop for the Doheny Desal Project. Rich Svindland of California American Water (CalAm), who helped develop the 6.4 MGD Monterey Ocean Desal Project using slant well technology, completed a peer review cost estimate for the Doheny Ocean Desal Project. The CalAm Peer Review was based on their experience in developing and <u>bidding</u> a project in Monterey, (that plant has not been constructed due to permitting and legal issues). The CalAm review of the previous Doheny Desal cost estimate by GHD indicated some differences in capital and operating costs including a higher level of staffing for the plant as suggested by CalAm. Overall, the cost differences resulted in estimated increased costs:</p>

<p>Doheny Ocean Desalination Project - continued</p>	<ul style="list-style-type: none"> • Capital costs were estimated at 5.4% higher • O&M costs were estimated at 15.8% higher • Overall, the unit cost of water increased from \$1,556 per AF to \$1,805 per AF, an increase of \$249 per AF, an overall increase of about 16.0% <p>South Coast WD’s Board has voiced their opinion that a 5 MGD project provides too much water and is beyond the ability of South Coast WD to shoulder by themselves. Without other partners, they may consider a plant size as small as 2.0 mgd without any oversizing to protect the potential for an ultimate 15 mgd project. The potential use of excess recycled supplies to be blended with ocean supplies was also discussed with the Latham Wastewater Plant in near proximity to the Doheny Desal Project. An unknown consideration is the concentrated iron and manganese laden sub-surface seawater found during the MWDOC pilot slant well testing.</p> <p>On January 23, 2020, the South Coast WD Board approved a conceptual study of ocean water augmentation using Direct Potable Reuse (DPR). This concept is based on the proposition that the challenges of Ocean Desalination and DPR could beneficially offset each other. South Coast WD has contracted with Dudek to prepare a white paper to evaluate this concept specifically to the Doheny Ocean Desalination Project on a feasibility and cost comparison basis. It is anticipated the study will take four months to complete.</p> <p><u>Next Steps by South Coast WD:</u></p> <ol style="list-style-type: none"> 1. Look for partners 2. High Level Schedule (has slipped a bit due to the Regional Board schedule) <ol style="list-style-type: none"> a. Environmental permitting Late Summer 2020 b. DBOM Contract Develop Early 2020 c. DBOM Contract Award Early 2021 d. Construction Early 2023
<p>MET 2019-20 Shutdown Schedule</p>	<p>MWDOC staff has held many meetings with MET and MWDOC member agencies since July 2019 to review the extensive MET 2019-2020 Shutdown Schedule.</p> <p>The February 9-16, 2020 West Orange County Feeder shutdown is complete and has returned to service.</p>
<p>SMWD Rubber Dams Project (San Juan Watershed Project)</p>	<p>Santa Margarita WD continues to focus on diversifying its water supply portfolio for South Orange County residents, businesses, schools, and visitors. On June 21, 2019, the San Juan Watershed Environmental Impact Report (EIR) was approved.</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 over 5 mgd. Fish passage and regulatory hurdles to satisfy subsurface travel time requirements are presenting some difficulties.</p>

<p>SMWD Rubber Dams Project (San Juan Watershed Project) - continued</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. SMWD discovered that the local geology has high vertical percolation rates and sufficient groundwater basin travel time. This has the potential to 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. They believe 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>South Orange County Emergency Service Program</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 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>Strand Ranch Project</p>	<p>A meeting was held on February 14, 2020 between MWDOC, MET, and IRWD to further 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. Based on the meeting, staff from MWDOC and IRWD will need to continue to discuss methods of quantifying the benefits of the program.</p>
<p>Poseidon Resources Huntington Beach Ocean Desalination Project</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 consistent 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"> 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"> a. Site b. Design c. Technology

<p>Poseidon Resources Huntington Beach Ocean Desalination Project – continued</p>	<p>d. Mitigation Measures</p> <p>2. Then consider all four factors collectively and determine the best combination of feasible alternatives.</p> <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 which is anticipated to be issued at the April 2020 Board meeting.</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"> • Facility onshore location; • Intake considerations including subsurface and surface intake systems; • Identified need for the desalinated water; • Concentrated brine discharge considerations; • Calculation of the marine life impacts; and • Determination of the best feasible mitigation project available. <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. This workshop was heavily attended with a considerable range of views 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>The latest information is the SARWQCB has scheduled a workshop on March 13, 2020 regarding the “need” for the Poseidon Project, and has asked MWDOC, OCWD, and MET to attend.</p> <p>The Regional Board Final Permit issuance is anticipated at the April 3, 2020 meeting</p> <p>Assuming success, 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>Trampas Canyon Dam and Reservoir</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>Trampas Canyon Dam and Reservoir - continued</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"> 1. Trampas Canyon Dam (Dam) 2. Conveyance facilities to transport recycled water into and out of the Reservoir (Pipelines) 3. Trampas Canyon Pump Station (Pump Station) <p>The construction of the facilities is being completed in three phases:</p> <ol style="list-style-type: none"> 1. Preconstruction/Site Preparation for the Dam and Pump Station Construction <ol style="list-style-type: none"> a. Project Status - Complete 2. Dam and Pipelines <ol style="list-style-type: none"> a. Project Status - The Construction Contract was awarded in December 2017 and is approximately 78% complete. 3. Pump Station <ol style="list-style-type: none"> a. Project Status - The pump station construction contract was award to Kingmen Construction on November 22, 2019 for \$3.356 million. Substantial completion of the pump station is anticipated August 31, 2020.
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EMERGENCY PREPAREDNESS

<p>WEROC Coordination</p>	<p>The WEROC Quarterly Meeting occurred on February 4th. Items on the agenda included: Dam planning and compliance assistance, AWIA update, Hazard Mitigation Plan and the readiness initiative focusing on training, exercise coordination and offerings. Following the meeting, a survey was sent to WEROC member agencies requesting their agency’s training needs. The survey closed on February 21st. The results from this survey are being incorporated into the master Training and Exercise Plan covering the next three years.</p> <p>Vicki continues to work on the WEROC program assessment as the new Director and is developing a strategic plan for the organization. A written review should be ready for presentation in April.</p> <p>Vicki will be meeting with member agencies in the coming months. In February, Vicki met with the Orange County Sanitation District’s General Manager and staff members to discuss current projects and the future, along with the City of Fullerton and the Irvine Ranch Water District. There are plans for meeting with all member agencies in the coming months.</p> <p>On February 25th, WEROC and a few member agencies attended a demonstration of the Yorba Linda Water District’s Helicopter Hydrant Project. The Heli-Hydrant is an innovative fire protection solution aimed at maximizing the water dropping capabilities of helicopters, to protect both wildlife and communities from wildfires. Strategically placed across fire-prone wildland areas, the Heli-Hydrant acts as a refillable and efficient water source for helicopters.</p>
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<p>WEROC Coordination - continued</p>	<p>Daniel is working with several agencies to acquire additional 800 MHz radio equipment as part of the WEROC radio system. Laguna Beach Fire requested to add the WEROC radio channels to their increasing capabilities and interoperability across the two disciplines.</p> <p>Janine has completed the annual audit and update of the member agencies point of contacts and is now auditing the AlertOC registered use contact and training database.</p>
<p>Coordination with the County of Orange and outside agencies</p>	<p>On February 6th, Vicki attended the Orange County Emergency Management Organization (OCEMO) meeting held at County of Orange Operational Area Emergency Operations Center. This meeting included an overview of the Corona Virus, December North Court Continuity Operation, and an update on the Operational Area Agreement. Other presentation topics included Operational Area Managers Report, grant updates, the California Office of Emergency Services (CalOES) report, and OCEMO sub-committee updates.</p> <p>On Feb 6th, Daniel attended a Cyber Security Seminar hosted by the California Office of Emergency Services (CalOES) in Ventura. This seminar was the first step for preparation for the California Capstone National Level Exercise (NLE) 2020 Series that will culminate in a functional/full-scale exercise May 11-14, 2020.</p> <p>On February 19th, Vicki attended the quarterly Operational Area Executive Board Meeting as the Independent Special Districts of Orange County appointed representative. In Orange County, the Operational Area Agreement creates an Executive Board, which reviews and approves emergency plans for the Operational Area and makes recommendations to improve emergency management for the entire region. One item of interest was the approval of the Operational Area Agreement. The next step includes the County taking this agreement to the County Board of Supervisors for final approval at the end of March. Once approved, it will be distributed to the Optional Area members including the Water and Waste Water agencies for signature.</p> <p>Vicki is coordinating with the Orange County Sheriff's Department Emergency Management Division on the new state requirement for Dam Owners and Operators to conduct an annual notification drill. The target timeline is May, which is Dam Awareness and Safety Month.</p> <p>WEROC continues to support California Water/Wastewater Agency Response Network (CalWarn). Janine and Leah are updating the CalWarn contact lists. These lists are vital during any event, large or small requiring mutual assistance. Vicki is joining the state planning committee and assisting with CalWarn coordination efforts, including updating the CalWarn Operations and Procedures. Vicki will be attending the in person CalWarn meeting on April 9th in Anaheim. It has been requested that Vicki participate in the California Office of Emergency Services (CalOES) Standardized Emergency Management System (SEMS) Guidelines Refresh Project. This project is long overdue as the original guidelines were developed in the mid 1990's. Having our representation in this group for Water and Waste Water agencies is vital.</p>

<p>America's Water Infrastructure Act (AWIA)</p>	<p>WEROC and its consultant, Herndon Solutions Group (HSG) are continuing to work with the WEROC agencies to achieve compliance with America's Water Infrastructure Act (AWIA). AWIA requires utilities to conduct a Risk and Resilience Assessment (RRA) of their community water systems by March 31, 2020; This date applies to systems serving a population of 100,000 or more. Smaller agencies will have a later date. Leslie from WEROC remains the project manager and coordination liaison with Hendon.</p> <p>The Risk and Resilience Assessment documents are being delivered to agencies via workshops. All Tier I agencies should meet their March 31st self-reporting compliance deadline to Environmental Protection Agency (EPA). MWDOC received its RRA assessment on Monday, February 24th. Due to the technical aspects and sensitive information contained within these documents, they will not be brought before the Board. Vicki is available to discuss the contents and outline the future pathway based on the report.</p> <p>Tier II Agencies (RRA Due December 2020) are beginning Phase II in March with scheduling of their RRA Workshops.</p> <p>Phase III, the Emergency Response Plans, are due in September 2020. Member agencies who have opted in for consultant support with the Emergency Response Plan portion of the contract are concurrently having kickoff meetings for this portion of the AWIA effort.</p>
<p>Hazard Mitigation Planning</p>	<p>WEROC continues to follow-up with the 19 member agencies who participated in the 2018 update of the Orange County Water and Wastewater Multi-Jurisdictional Hazard Mitigation Plan. As of February 24th, only one agency has not turned in their agency resolution letters formally adopting the plan. If not received the plan will move forward without them in order to closeout with FEMA and receive final written approval so all other agencies can begin to use this plan.</p>
<p>PSPS Events</p>	<p>On going: California Public Utilities Commission (PUC) proceedings regarding the Impacts from De-Energization with a Focus on First Responders and Local Government. MWDOC has received party status to these proceedings. Party Status was intended to ensure that we receive all communications regarding the proceedings and that our comments are included officially for consideration. Vicki is monitoring the release of any documents for review and comment over the next few months.</p> <p>On February 20th, MWDOC/WEROC provided joint comments on R.18-12-005 regarding proposed additional and modified de-energization guidelines being developed by the CPUC. Our joint comments also include the agencies of Valley Center Municipal Water District and the Padre Dam Municipal Water District. Vicki has a copy of the provided comments if any member of the Board wishes to see them.</p> <p>On February 25th on behalf of the member agencies, Vicki answered questions specific to past PSPS events and generator impacts or issues. Vicki continues to</p>

<p>PSPS Events - continued</p>	<p>work closely with Government Affairs on potential legislative initiatives related to PSPS events and generator issues.</p>
<p>EOC Readiness</p>	<p>Vicki and Daniel participated in the OA, WEROC and MET radio tests.</p> <p>WEROC received the invoice from the California Air Resources Board and is currently in the final stages of registering the WEROC/MWDOC EOC generator and acquiring insurance.</p> <p>North EOC radio was repaired and their water is working again.</p> <p>Janine completed updates to Safety Center, the Concept of Operations Plan (COOP), and WEROC contact lists.</p> <p>In partnership with the American Red Cross, WEROC will be receiving one pallet of individual bottled water for use at the Emergency Operations Center.</p>
<p>Training and Exercises</p>	<p>WEROC hosted two radio user classes on February 19th and February 27th. Orange County Sheriff’s Department Communication Division taught this class and it was well received and attended. Santa Margarita Water District has already reached out for an additional class for their staff, which is scheduled for March with WEROC providing the instruction.</p> <p>In follow up to the County Emergency Operations Center (EOC) Earthquake Functional Exercise on January 30th, WEROC has identified the following action items in need of improvement for the WEROC Liaison Position at the County and Operational Area EOC:</p> <ul style="list-style-type: none"> • Repair WEROC’s nonfunctional laptop. • WEROC position specific checklist of startup and initial actions needs to be updated. • WEROC binder contact lists need updating. • Informational document for “Do Not Use vs Boil Water” FAQ sheet needs to be created to include Water Quality Authorities. • Process flow document to accompany all forms in the WEROC binder. • WebEOC training for WEROC Liaison staff assigned to the County and Operational Area EOC. <p>On February 14th, Vicki met with Yorba Linda Water District, Yorba Linda City Manager’s Office, Orange County Sheriff’s Department, and the Orange County Fire Authority to discuss a Tabletop Exercise (TTX) to occur in June. The goal of the tabletop is to focus on field operations personnel.</p> <p>Objectives for the TTX include:</p> <ul style="list-style-type: none"> • Understand the role of field staff dependent on the Life, Safety vs Infrastructure of the repair • Implementation/integration of the Incident Command System (ICS) • Demonstrating the process for field personnel to integrate into the decision making & coordination structure • Identify information for situational awareness when needed for coordination • Identify equipment field personal need to manage or support the operation.

<p>Training and Exercises - continued</p>	<p>Vicki has submitted six Basic SEMS and NIMS courses and is waiting for approval from the state. Once received, member agencies will be provided sign up information.</p> <p>On March 31st, Daniel is leading a Tabletop Exercise for MWDOC staff.</p> <p>Objectives include:</p> <ul style="list-style-type: none"> • Reviewing and analyzing the emergency notification processes • Operational coordination procedures and the current joint information system. • Tabletop exercises to allow for discussion based communications giving participants the opportunity to verbalize positive process while identifying any potential gaps or needs. <p>Daniel will attend the National Emergency Management Academy conducted in Ventura.</p>
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WATER USE EFFICIENCY

<p>Suspected Leak Survey – City of Orange</p>	<p>On February 12, Rachel Davis and Jason Thorsell conducted a suspected leak survey for the City of Orange as part of the MWDOC Water Loss Control Programs Shared Services. A report was delivered to city staff on February 13, summarizing the results of the survey.</p>
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<p>Landscape Area Measurement Project Technical Workgroup Meeting</p>	<p>On February 12, Rachel Waite participated in the Landscape Area Measurement Project Technical Workgroup meeting hosted by Department of Water Resources in Sacramento, CA. This workgroup meeting pertains to the methodology and standards of landscape area measurements (LAM) associated with AB1668 and SB606. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • General update on the overall project progress • Presentation and discussion of examples of LAM results from pilot project water district • study areas • Review of web portal <p>Rachel was able to view and comment on parcels measured as part of the pilot effort. The next meeting has not yet been scheduled.</p>
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<p>Metropolitan Water District of Southern California (MET) Water Use Efficiency Workgroup Meeting</p>	<p>On February 20, MWDOC WUE staff participated via conference call in Metropolitan’s Water Use Efficiency Workgroup meeting. Approximately 30 member agencies participated in the meeting. Agenda items included:</p> <ul style="list-style-type: none"> • February Metropolitan Board Presentations <ul style="list-style-type: none"> ○ Conservation Update and Member Agency Administered Program • City of Oxnard and Sensor Industries <ul style="list-style-type: none"> ○ Palm Vista Toilet Sensor Pilot Project • Innovative Conservation Program Final Project Report for California State University Northridge <ul style="list-style-type: none"> ○ Exploring Water Conservation on Turf Grass
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<p>Metropolitan Water District of Southern California (MET) Water Use Efficiency Workgroup Meeting - continued</p>	<ul style="list-style-type: none"> • Innovative Conservation Program Final Project Report for Frontier Energy <ul style="list-style-type: none"> ○ Pumped Rinse Dishmachines: Realizing Water Savings in Commercial Dishrooms • Member Agency Roundtable • Metropolitan Involvement in Leak Detection/Budget Based Rates • Metropolitan Outreach Updates <p>Future workgroup meetings are currently on hold.</p> <p>Suspected Leak Survey – South Coast Water District (SCWD) On February 24, Rachel D. and Jason conducted a suspected leak survey for SCWD as part of the MWDOC Water Loss Control Programs Shared Services. A report was delivered to SCWD staff on February 28, summarizing the results of the investigation.</p> <p>California Water Efficiency Partnership (CalWEP) Board Meeting On February 26, Joe Berg participated in the CalWEP Board meeting hosted by Western Municipal Water District. Agenda items included:</p> <ul style="list-style-type: none"> • Welcome and Agenda Review • Approve Consent Calendar <ul style="list-style-type: none"> ○ February 18, 2020 Executive Committee Notes ○ November 20, 2019 Board of Directors Minutes ○ 2019 Q4 Financials ○ Member Report ○ 2020 Calendar • Executive Directors’ Report <ul style="list-style-type: none"> ○ Operations ○ External Affairs • 2020 Goals • Peer to Peer 2020 • Upcoming Strategic Workshop Planning Committee • March Plenary Agenda • Other Business
<p>California Water Efficiency Partnership Research and Evaluation Committee Meeting</p>	<p>On February 27, Rachel W. participated via conference call in the CalWEP Research and Evaluation (R&E) Committee meeting. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • R&E Committee Presentation • Developing a 2020 Committee Work Plan • Update from the Alliance for Water Efficiency (AWE) Evaluation, Measurement, and Verification (EM&V) Project • Scheduling R&E 2020 Meetings • Basecamp Use and Member Research Uploads <p>The next meeting is scheduled tentatively for May 2020.</p>
<p>South Coast Water District Board Meeting</p>	<p>On February 27, Joe attended the South Coast Water District Board of Directors meeting to invite their participation in MWDOC’s Residential End Uses of Water Study. After a brief presentation describing the study, the Board voted to authorize their participation.</p>

<p>Trabuco Canyon Water District (TCWD) Leak Detection Survey Wrap-Up Meeting</p>	<p>On February 28, Joe, Rachel D., and Jason met with staff from TCWD to discuss the results of their Leak Detection Survey. An emphasis was placed on making timely repairs, measuring leak flow rates, and compiling the cost of repairs. MWDOC surveyed 66 miles of water main, TCWD’s entire system, including water services. The survey began in October 2019 and concluded January 10 2020.</p>
<p>Metropolitan Conservation Credits Program Advisory Committee (PAC) Meeting</p>	<p>On March 3, Rachel W. attended the Metropolitan Conservation Credits PAC meeting hosted by Metropolitan. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Commercial, Institutional, and Industrial audits • Large Landscape Residential Audits • Drip Irrigation • Commercial Washing Machines • Standardizing Water Savings Incentive Program (WSIP) incentives • Potential Pilot Program or Study Opportunities <p>The next meeting is scheduled tentatively for June 3, 2020</p>
<p>Orange County Water Use Efficiency Coordinators Workgroup Meeting</p>	<p>On March 5, Joe, Beth Fahl, Rachel D., Rachel W., and Steve Hedges hosted the Orange County Water Use Efficiency Coordinators Workgroup meeting at MWDOC. Approximately 21 agencies participated in the meeting. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates • Agency Roundtable/Problem Solving • Public Affairs/Marketing • Metropolitan Update <ul style="list-style-type: none"> ○ Leak Detection/Budget Based Rates ○ Conservation Update and MAA Program ○ Board Update • Water Loss Control Program Update • Residential End Uses of Water Study • Water Use Efficiency Programs Update <ul style="list-style-type: none"> ○ Outdoor Programs Rebate Levels ○ Turf Removal Program Update ○ Landscape Design and Landscape Maintenance Assistance Programs Update • CalWEP Update <p>The next meeting is scheduled for April 2 at MWDOC.</p>

PUBLIC/GOVERNMENT AFFAIRS

Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Hosted Public Affairs Workgroup with member agency representatives and MWDOC education program staff and provided introduction to upcoming education program changes and member agency roundtable • Provided Ricki Raindrop appearance for South Coast Water District’s entry in the “Festival of Whales” parade • Distributed “PFAS Media Kit” to member agency point of contacts • Designed and organized production & distribution of Water Use Efficiency Bill Inserts to 11 member agencies Spring 2020 • Provided an update on current Public Affairs projects to Water Use Efficiency coordinators meeting • Distributed “Water Awareness Poster Contest” media kit to member agency point of contacts <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Circulated invitations and collected RSVPs for the MWDOC hosted luncheon and dinner in Washington D.C. • Circulated invitation for our co-hosted reception in Sacramento with the Water Agencies of the Inland Empire and Orange County • Provided a legislative update to the MWDOC Public Affairs Working Group meeting
Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Held Water Policy Dinner and Forum, February 12, with a turnout of 166 attendees • Planned upcoming Girl Scout Water Conservation Clinic with member agency personnel
Education	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Provided Elementary School Program (grades 3-6) information to Santiago Elementary School teacher • Confirmed suggested school program targets with contractors • Sent out request for school program commitments to all MWDOC member agencies • Sent and received overage approval form for City of Westminster for the MWDOC High School program • Coordinated with Metropolitan Water District of Southern California on school program presentation request • Coordinated with City of Anaheim and Guide Academy teacher on school program presentation request • Met with Discovery Cube Orange County regarding MWDOC Middle School Program offerings

<p>Education - continued</p>	<ul style="list-style-type: none"> • Provided MWDOC School Programs information to: East Orange County Water District, City of Fullerton, El Toro Water District, City of San Clemente, Moulton Niguel Water District, Santa Margarita Water District, City of Westminster, Trabuco Canyon Water District, and Laguna Beach County Water District • Provided school program presentation to MWDOC Public Affairs Workgroup at the bi-monthly meeting • Requested updated list of all current Orange County schools from Orange County Department of Education • Worked with Bolsa Chica Conservancy to update a portion of the activity conducted on the second visit for the MWDOC High School Program • Updated school program flyers and distributed to MWDOC School Program contractors
<p>Special Projects</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • City of Westminster media kit for pocket park grand opening • Start of Water Awareness Poster Contest submissions • Planning and execution of 2020 OC Water Summit • Worked on itineraries, trip logistics, guest and Director requirements for the following inspection trips: <ul style="list-style-type: none"> ○ March 6-7 Hoover Dam and Colorado River Aqueduct Inspection Trip Co-Hosted with Western Municipal Water District ○ April 3-4 Orange County Grand Jury Inspection Trip of the Colorado River Aqueduct • Coordinating a special presentation about Southern California Water infrastructure for the Orange County Grand Jury in lieu of an Inspection Trip • Hosted the February 12 Water Policy Forum & Dinner featuring Metropolitan Water District of Southern California General Manager and Chief Executive Officer Jeffrey Kightlinger <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Invited speakers for the March WACO program • Invited speaker for the May WACO program • Staffed the February WACO Planning meeting • Created and dispersed materials to all Orange County special districts regarding the LAFCO dues formula election • Responded to questions regarding the LAFCO dues formula election
<p>Legislative Affairs</p>	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Monitored the Assembly Water, Parks and Wildlife Committee Informational Hearing on PSPS events and water • Attended and participated in CMUA’s Regulatory and Legislative Committee meeting in Sacramento • Participated in Metropolitan Water District’s legislative conference call • Participated in the ACWA Region 10 prep-call for the upcoming ACWA State Legislative Committee meeting

Legislative Affairs - continued	<ul style="list-style-type: none">• Participated in the Southern California Water Coalition water/climate resiliency bond working group• Attended and participated the CSDA Legislative Committee meeting in Sacramento
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**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
AGENCIES MANAGERS MEETING**

Street Address:
18700 Ward Street
Fountain Valley, California 92708

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

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

Sat Tamaribuchi
President

Joan C. Finnegan
Vice President

Larry D. Dick
Director

Bob McVicker, P.E. D.WRE
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/679967724?pwd=d3hKVkRPT3dpN1NDUWgxTENZQjM0dz09>

Meeting ID: 679 967 724
Password: 562222

Dial by your location
(669) 900-9128 -or-
(877) 853-5247 Toll-free

WHEN: Thursday, March 19, 2020 from **10:30 am to 12:00 pm.**

DRAFT AGENDA

- | | |
|---|------------------|
| 1. Opportunity to add and discuss items not already listed. | Page # |
| 2. Information Items: | |
| 2-1. COVID-19 Update – WEROC Current Status Update | |
| 2-2. MWDOC Budget | 2 |
| 2-3. Metropolitan Budget | 68 |
| 2-4. Metropolitan IRP Update | 74 |
| 2-5. Legislative Update | |
| 2-6. Coalition Letter Requesting the Orange County Board of Supervisors
Proclamation that the County’s Drinking Water Remains Clean, Safe, and
Reliable | |
| 3. Follow-up Items: | |
| 3-1. Regional System Planning & Local Water Supply Integration
Cost Sharing Discussion..... | 76 |
| 5. Report Items: | |
| 5-1. Monthly GM Report | 81 |
| 5-2. Legislative Reports | 98 |
| 5-3. WEROC Matrix | 128 |
| 5-4. Grant Funding Opportunities | Provided at Mtg. |
| 6. Reminders: | |
| 6-1. Delta Conveyance Notice of Preparation | April 17, 2020 |
| 7. Next meeting will tentatively be held April 16, 2020. | |

**LOCAL AGENCY FORMATION COMMISSION
ORANGE COUNTY**

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

REGULAR MEETING AGENDA

**Wednesday, March 11, 2020
8:15 a.m.**

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

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

- 1. CALL THE MEETING TO ORDER**
- 2. PLEDGE OF ALLEGIANCE – COMMISSIONER MCGREGOR**
- 3. ROLL CALL**
- 4. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATIONS
(Received After Agenda Distribution)**
- 5. APPROVAL OF MINUTES**
 - a.) [January 8, 2020 – Regular Commission Meeting](#)**
- 6. PUBLIC COMMENT**

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

- 7. CONSENT CALENDAR**
 - a.) [Fiscal Year 2019-20 Comprehensive Quarterly Report – Second Quarter](#)**

The Commission will receive the second quarter comprehensive report for Fiscal Year 2019-20.
- 8. PUBLIC HEARING**
 - a.) [Fiscal Year 2020-21 OC LAFCO Proposed Budget and Fee Schedule](#)**

The Commission will consider the adoption of the Proposed Fiscal Year 2020-21 OC LAFCO Budget and form of resolution for the fee schedule.

9. COMMISSION DISCUSSION AND ACTION

a.) Legislative Report (March 2020)

The Commission will receive a report on current and newly introduced legislation of LAFCO interest and consider adopting positions on proposed legislation.

b.) Request of Sponsorship for CALAFCO 2020 Staff Workshop

The Commission will consider approving the participation of OC LAFCO as a supporting sponsor for the CALAFCO 2020 Staff Workshop.

10. COMMISSIONER COMMENTS

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

11. EXECUTIVE OFFICER'S REPORT

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

An oral update will be provided on the following:

- The annexation of City of San Juan Capistrano water and wastewater utilities to Santa Margarita Water District
- OC LAFCO Communications Plan
- 2020 CALAFCO Staff Workshop in Orange County – Newport Beach, CA March 25-27, 2020
- 17th Street/Tustin Annexation City Outreach
- Presentations
 - i) South County Unincorporated Communities (SOCUC)
 - ii) California Property Tax Managers

12. INFORMATIONAL ITEMS & ANNOUNCEMENTS

a.) Annual Filing of Form 700 and Bi-Annual Ethics Training Requirements

Commissioners and staff must submit completed Form 700 no later than April 1, 2020 and complete the bi-annual ethics training by December 31, 2020.

13. CLOSED SESSION

No closed session items scheduled.

14. ADJOURNMENT OF REGULAR COMMISSION MEETING

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

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

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

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



Executive Committee Meeting

Tuesday, March 3, 2020

7:30 a.m.

Municipal Water District of Orange County, Conference Room 101

AGENDA

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

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

www.mwdoc.com/isdoc

Executive Committee

President
Hon. Sandra Jacobs
Santa Margarita Water District

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

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

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

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

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

Immediate Past President
Hon. James Fisler
Mesa Water District

Staff Administration

Heather Baez
Municipal Water District of Orange County

Christina Hernandez
Municipal Water District of Orange County

I. Welcome, Introductions – 7:30 am

[Please silence cell phones]

II. Approval of Minutes – 7:35 am

- Consider approval of the minutes for the January 7, 2020 meeting.

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

IV. New Business – 7:45 am

V. Treasurer's Report – 7:50 am – Director Finnegan

- February report of accounts.

VI. CSDA Report – 8:00 am – Director Schafer

- Receive, discuss and file the CSDA Report

VII. LAFCO Report – 8:05 am – Director Fisler

- Receive, discuss and file the LAFCO report

VIII. ACWA Report – 8:10 am – Director Jacobs

- Receive, discuss and file the ACWA report.

IX. OCCOG Report – 8:15 am – Director Scheafer

- Receive, discuss and file OCCOG report

X. Orange County Operational Area Report - 8:20 am – Director Monin

- Receive, discuss and file OCOA report

XI. Subcommittee Reports – 8:25 am

- Programs
 - Recap of January 30 luncheon speaker
 - 2020 Quarterly Luncheon speakers
- Membership
- Legislative
 - Discuss and consider taking action on proposed legislation of interest to Special Districts.

XII. Adjourn – 8:30 am

Next Executive Committee Meeting: Tuesday, April 7, 2020

Next Quarterly Luncheon: Thursday, April 30, 2020



ISDOC Executive Committee

February 4, 2020

Minutes

I. Welcome

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

Sandra Jacobs, President (SMWD)

Mark Monin, 1st Vice President (ETWD)

Arlene Schafer, 2nd Vice President (CMSD)

Mary Aileen Matheis, 3rd Vice President (IRWD)

Joan Finnegan, Treasurer (MWDOC)

James Fidler, Immediate Past President (Mesa WD)

Others Present:

Gavin Centeno (OC LAFCO)

Larry Dick, Director (MWDOC)

Mike Dunbar (EMCSD)

Alicia Duncan (OCWD)

Mike Gaskins, Director (ETWD)

Rob Grantham (SMWD)

Kathy Krasenics (Smart Watt Inc.)

Greg Mills, Director (Serrano WD)

Bill Nelson, Director (OCCD/CSDA)

Vicki Osborne (MWDOC)

Mike Scheafer, Director (CMSD)

Karl Seckel (MWDOC)

Stacy Taylor (Mesa WD)

Heather Baez (MWDOC)

Jody Brennan (SCWD)

II. Minutes

The minutes of the January 7, 2020 meeting were reviewed. Upon a motion by Joan Finnegan and second by Mary Aileen Matheis, the minutes were unanimously approved.

III. Public Comments

None.

IV. New Business

A. LAFCO Dues Formula

President Sandra Jacobs presented an updated spreadsheet with the recommended formula (attached to these minutes). Mike Dunbar reported that the Ad Hoc Committee agreed to review the formula every 5 years and said he supports the formula and encourages support of this as a reasonable and appropriate solution. Bill Nelson stated he thought it was a reasonable compromise. Rob Grantham stated he thought it was a balance of benefits received and ability to pay. Jim Fisler supported the proposed formula and thanked the Ad Hoc Committee.

A motion was made by Mary Aileen Mathies to approve the formula as presented for dues moving forward with a review every five years; second by Jim Fisler; passed unanimously.

Heather Baez stated that now the Dues Formula has been approved by the Executive Committee, it would go to a vote of the membership which will be facilitated by Heather.

V. Treasurer's Report

Joan Finnegan reported a balance of \$11,501.73.

VI. CSDA Report

Arlene Schafer reviewed the appointment process and timeline for filling the vacant Seat B with the new Board member being seated by April 1. Bill Nelson reported that CSDA is following their standard appointment process.

VII. LAFCO Report

Jim Fisler reported that Cheryl Brothers was elected as Chair and Doug Davert was elected as Vice Chair for 2020 at the OC LAFCO January meeting. The next OC LAFCO meeting will be on March 11 at 8:15 and agenda items include an update on upcoming reorganizations and unincorporated areas, 4th cycle of MSR process and the Communication Plan will be presented.

VIII. ACWA Report

Sandra Jacobs reported on the following:

- JPIA Executive Committee is in the process of selecting a candidate for the vacancy

- ACWA Committee forum is being held next week in Sacramento
- Region 10 Committee will now have another representative on the Executive Committee
- The Spring Conference will be held in May in Monterey
- ACWA DC conference is in February

IX. OCCOG Report

Mike Scheafer reported RHNA continues to be a big issue. OCCOG will be having their General Assembly at the Grand Californian in Anaheim on March 20.

X. Orange County Operational Area Report

Karl Seckel introduced Victoria Osborn, the new Director of Emergency Manager (WEROC). Vicki reported the Operational Area Agreement will be presented to the OA Executive Committee on February 19, 2020 with the plan of presenting to the Board of Supervisors in March for approval. Vicki stated she will attend ISDOC Executive Committee meetings on a regular basis to provide updates on areas related to Special Districts.

XI. Subcommittee Reports

- Programs: Mark Monin reported that he received positive comments on the speaker from the Registrar of Voters. Ideas for speakers on future luncheons include Victoria Osborn, WEROC, Chairman of the Board of Supervisors Michelle Steel, Cheryl Brothers, President of OC LAFCO, and a speaker on RHNA.
- Membership: Welcomed new Associate Member Kathy Krasenics, Smart Watt Inc.
- Legislative Update:
 - State of the Union is tonight
 - February 19 is the State of the State
 - Friday was the House of Origin deadline for bills
 - Bill introductions are continuing for 3 more weeks
 - Alicia Duncan reported OCWD is co-sponsoring a bill on PFAS
 - 3 climate/water bonds are currently moving through legislative process

XII. Adjourn

The meeting adjourned at 8:30 in memory of Jim Reed and those that perished in the recent helicopter accident.

LAFCO Dues by Agency

Revenue Requirement:

\$ 367,504

#	District	Revenue 2017	Recommended Revenue Based Factors	FY 2020 Dues	Recommended LAFCO Dues	Change from Previous Year
1	Silverado-Modjeska Rec & Park	\$312,556	0.1	500	453	(47)
2	Surfside Colony Stormwater	\$312,929	0.1	500	453	(47)
3	Rossmoor-Los Alamitos Sewer District	\$479,985	0.1	500	453	(47)
4	Surfside Colony CSD	\$797,129	0.1	500	453	(47)
5	Capistrano Bay CSD	\$1,151,362	0.5	2,000	2,264	264
6	Rossmoor CSD	\$1,377,917	0.5	2,000	2,264	264
7	Three Arch Bay CSD	\$1,859,915	0.5	2,000	2,264	264
8	Emerald Bay CSD	\$2,188,987	0.5	9,775	2,264	(7,511)
9	Buena Park Library	\$2,362,865	0.5	2,000	2,264	264
10	Placentia Library	\$2,675,129	0.5	2,000	2,264	264
11	Orange County Cemetery	\$5,988,529	0.75	2,000	3,397	1,397
12	Orange County Vector Control	\$13,682,024	1	2,000	4,529	2,529
13	Sunset Beach Sanitary District	\$1,083,390	1	9,775	4,529	(5,246)
14	Serrano Irrigation District	\$6,045,914	3	14,794	13,586	(1,208)
15	East Orange County Water	\$6,286,331	3	14,794	13,586	(1,208)
16	Midway City Sanitary	\$9,685,641	3	20,078	13,586	(6,492)
17	Trabuco Canyon Water District	\$11,320,583	4	20,078	18,115	(1,963)
18	Costa Mesa Sanitary District	\$12,041,937	4	20,078	18,115	(1,963)
19	El Toro Water District	\$27,600,993	5	20,078	22,643	2,565
20	Mesa Water	\$31,150,322	5	26,419	22,643	(3,775)
21	Yorba Linda Water	\$35,160,485	5	26,419	22,643	(3,775)
22	South Coast Water District	\$36,197,754	5	26,419	22,643	(3,775)
23	Moulton Niguel Water District	\$87,485,580	7	26,419	31,701	5,282
24	Santa Margarita Water District	\$104,567,483	7	26,419	31,701	5,282
25	MWDOC	\$163,412,555	8	26,419	36,230	9,811
26	OCWD	\$165,150,987	8	26,419	36,230	9,811
27	Irvine Ranch Water District	\$215,481,000	8	26,419	36,230	9,811
				356,800	367,504	

Non-Enterprise Agencies		
Group Min	Group Max	Factor
\$ -	\$ 999,999	0.1
\$ 1,000,000	\$ 4,999,999	0.5
\$ 5,000,000	\$ 9,999,999	0.75
\$ 10,000,000		1

Enterprise Agencies		
Group Min	Group Max	Factor
\$ -	\$ 999,999	0.1
\$ 1,000,000	\$ 1,999,999	1
\$ 2,000,000	\$ 4,999,999	2
\$ 5,000,000	\$ 9,999,999	3
\$ 10,000,000	\$ 19,999,999	4
\$ 20,000,000	\$ 39,999,999	5
\$ 40,000,000	\$ 79,999,999	6
\$ 80,000,000	\$ 159,999,999	7
\$ 160,000,000	\$ 239,999,999	8
\$ 240,000,000		9



AGENDA

Friday, March 6, 2020
7:30 a.m. - 9:00 a.m.
Doors open at 7:00 a.m.

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

Mailing Address

P.O. Box 8300
Fountain Valley, CA 92708

Meeting Location

18700 Ward Street
Fountain Valley, CA 92708

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

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

Officers

Chair
Hon. Jim Atkinson
Mesa Water District

Vice Chair
Hon. Cathy Green
Orange County Water District

Staff Contacts

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County

Pledge of Allegiance

Announcements & Introductions

- Jim Atkinson, Mesa Water District

Reports

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

Program

Water Loss

- Joe Berg, Director of Water Use Efficiency, Municipal Water District of Orange County

Cal Desal:

- Wendy Ridderbusch, Executive Director, CalDesal

Adjourn

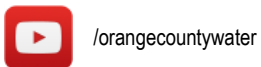
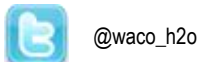
.....
Next WACO Meeting

Friday, April 3, 7:30 a.m. @ OCWD/MWDOC Joint Boardroom

Next WACO Planning Committee Meeting

Tuesday, March 17, 7:30 a.m. @ C-3

Stay Connected with WACO on
Facebook, Twitter, and YouTube!





WACO Planning Committee
Tuesday, March 17, 2020
7:30 A.M.
Call in Number: 714-378-8289

AGENDA

ACTION ITEMS

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

18700 Ward Street
Fountain Valley, CA 92708

(714) 378-8232

(714) 963-0291 fax

www.mwdoc.com/waco

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

Officers

Chair

Hon. Jim Atkinson
Mesa Water District

Vice Chair

Hon. Cathy Green
Orange County Water District

Staff Contacts:

Alicia Dunkin

Orange County Water District

Heather Baez

Municipal Water District of Orange County

1. Upcoming meeting postponement and/or cancellation
 - Based upon what meetings are cancelled, decide whether to reschedule topic(s) or cancel altogether
 - April 3: Ducks Unlimited
 - May 1: Dissolution of Sativa Water District
 - June 5: International View of Water

DISCUSSION ITEMS

1. Upcoming WACO planning meetings:
 - April 21
 - May 19
2. Potential future meeting topics:
 - The future of power – Dr. Michael Binderbauer, Tri Alpha Energy (Howard Hull)
 - Urban Water Management Plan (Bob McVicker)
 - Contaminants of emerging concern / basin salt balance (Peer Swan / Fred O'Callaghan)
 - Water Solutions Network (Larry McKenney)
 - The future of 5G w/Crown Castle (Sat Tamaribuchi)
 - Affordability of water & human right to water (Stacy Taylor)
 - 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)
 - After census results (Larry Dick)
3. Feedback of March 6 meeting
 - Joe Berg & Wendy Ridderbusch

ADJOURN



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DATES TO REMEMBER

MARCH/APRIL 2020

1. Mar 27 – 7:30 a.m. – South Orange County Economic Coalition
2. Mar 27 – 8:00 a.m. – TV-6 (Havens)
3. Mar 27 – DISTRICT OFFICE CLOSED
4. Mar 31 – 10:00 a.m. – RRC Meeting
5. Apr 1 – 7:30 a.m. – Budget Committee #2 Meeting
6. Apr 1 – 8:30 a.m. – MWDOC/MET Directors Workshop
7. Apr 1 – 2 – Gaskins – Vacation
8. Apr 2 – 8:30 a.m. – SOCWA Board Meeting
9. Apr 2 – 6:00 p.m. – MWDOC Elected Officials Meeting
10. Apr 3 – 7:30 a.m. – WACO
11. Apr 3 – 11:30 a.m. – Chair/GM Meeting
12. Apr 6 – 8:30 a.m. – MWDOC Planning/Operations Committee
13. Apr 6 – 1:00 p.m. – SOCWMA Management Committee Meeting
14. Apr 7 – 7:30 a.m. – ISDOC Executive Committee Meeting
15. Apr 8 – 8:30 a.m. – LAFCO
16. Apr 8 – 8:30 a.m. – MWDOC Admin/Finance Meeting
17. Apr 9 – 8:30 a.m. – SOCWA Engineering Committee Meeting
18. Apr 10 – DISTRICT OFFICE CLOSED
19. Apr 13 – 7:30 a.m. – Agenda Review Meeting
20. Apr 13 – 10:30 a.m. – SOCWA Special Finance Committee Meeting
21. Apr 13 – 1:00 p.m. – Water Budget Results – DWR/MWDOC (Raftelis at MWDOC)
22. Apr 15 – 8:30 a.m. – MWDOC Board Meeting
23. Apr 16 – 7:30 a.m. – Board Budget Workshop (Full Board)
24. Apr 17 – 11:30 a.m. – Chair/GM Meeting
25. Apr 20 – 7:30 a.m. – Regular Engineering/Finance Committee Meetings

26. Apr 20 – 8:30 a.m. – MWDOC Public Affairs Meeting
27. Apr 21 – 7:30 a.m. – WACO Planning
28. Apr 21 – 10:30 a.m. – SOCWA Special Finance Committee Meeting
29. Apr 22 – 5:30 p.m. – State of South County Address (LF Civic Center)
30. Apr 23 – 7:30 a.m. – Regular Board Meeting
31. Apr 24 – 7:30 a.m. – South Orange County Economic Coalition
32. Apr 24 – 8:00 a.m. – TV-6 (Vergara)
33. Apr 24 – DISTRICT OFFICE CLOSED
34. Apr 26 – May 1 – Gaskins – Vacation
35. Apr 29 – 8:30 a.m. – MWDOC Special Board Workshop
36. Apr 30 – 11:30 a.m. – ISDOC Quarterly Luncheon

EL TORO WATER DISTRICT

Glossary of Water Terms

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

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

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

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

AFY: Acre-foot per year.

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

AMP: Allen McCulloch pipeline.

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

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

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

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

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

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

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

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

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

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

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

BIA: Building Industry Association.

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

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

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

Brackish water: A mixture of freshwater and saltwater.

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

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

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

CEQA: California Environmental Quality Act.

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

CFS: Cubic feet per second.

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

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

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

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

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

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

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

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

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

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

Crisis:

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

CTP Coastal Treatment Plant

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

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

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

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

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

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

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

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

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

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

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

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

Disinfection: Water treatment which destroys potentially harmful bacteria.

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

Drought: A prolonged period of below-average precipitation.

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

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

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

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

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

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

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

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

Estuary: Where fresh water meets salt water.

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

FCH Federal Clearing House – Environmental Review/Processing

FEMA Federal Emergency Management Agency

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

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

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

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

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

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

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

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

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

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

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

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

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

GPM: Gallons per minute.

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

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

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

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

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

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

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

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

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

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

MAF: Million acre feet.

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

MET: Metropolitan Water District of Southern California.

MGD: Million gallons per day.

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

Microorganism: An animal or plant of microscopic size.

MWD: Metropolitan Water District of Southern California.

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

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

NPDES National Pollution Discharge Elimination System

OCBC: Orange County Business Council.

OCEMA Orange County Environmental Management Agency

OCWD: Orange County Water District.

Opportunity:

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

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

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

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

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

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

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

Potable water: Suitable and safe for drinking.

PPB: Parts per billion.

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

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

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

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

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

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

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

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

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

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

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

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

RFP Request for Proposal

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

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

R-O-W Right-of-way

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

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

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

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

SAFRA Santa Ana River Flood Protection Agency

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

SAWPA: Santa Ana Watershed Project Authority.

SCADA Supervisory Control and Data Acquisition

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

SCH State Clearing House – Environmental Review/Processing

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

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

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

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

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

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

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

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

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

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

SJBA San Juan Basin Authority

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

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

CSC – City of San Clemente

CSJC – City of San Juan Capistrano

CLB – City of Laguna Beach

ETWD – El Toro Water District

EBSD – Emerald Bay Service District

IRWD – Irvine Ranch Water District

MNWD – Moulton Niguel Water District

SCWD – South Coast Water District

SMWD – Santa Margarita Water District

TCWD – Trabuco Canyon Water District

SRF State Revolving Fund

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

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

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

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

SWRCB State Water Resources Control Board

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

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

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

TMA: Too many acronyms.

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

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

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

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

VE Value Engineering

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

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

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

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

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

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

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

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

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

Water table: The top level of water stored underground.

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

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

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

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

Xeriscape: Landscaping that requires minimal water.