

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

January 28, 2021

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 Gaskins, Freshley, Havens, Monin, and Vergara will be participating telephonically.

Members of the public who wish to comment on any item within the jurisdiction of the District or on any item on the agenda, may observe and address the Meeting by joining at this link: <https://us02web.zoom.us/j/84082821874>. (Meeting ID: 840 8282 1874). 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. Please be advised the Meeting is being recorded.

CALL MEETING TO ORDER – President Gaskins

PLEDGE OF ALLEGIANCE – Director Monin

ORAL COMMUNICATIONS/PUBLIC COMMENTS

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

1. MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC) DISCUSSION

MWDOC Board President Sat Tamaribuchi and General Manager Robert Hunter will be in attendance to engage in a discussion with the Board about current and upcoming MWDOC issues.

2. 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 December 16, 2020 Board meeting.

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

APPROVAL OF ITEMS REMOVED FROM TODAY’S CONSENT CALENDAR

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

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

3. Director Reports for Meetings Attended (Oral Report)

GENERAL MANAGER ACTION ITEMS

4. **Resolution No. 21-1-2 Modifying Standing and External Organization Board and Staff Assignments for Calendar Year 2021**
(Reference Material Included)

Staff will review and comment on Resolution No. 21-1-2 modifying Standing and External Organization Board and Staff Assignments for calendar year 2021.

Recommended Action: Staff recommends approval of Resolution No. 21-1-2 modifying Standing and External Organization Board and Staff Assignments for calendar year 2021.

RESOLUTION NO. 21-1-2

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
EL TORO WATER DISTRICT
MODIFYING STANDING AND EXTERNAL ORGANIZATION
BOARD AND STAFF ASSIGNMENTS
FOR CALENDAR YEAR 2021

GENERAL MANAGER INFORMATION ITEMS

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

Staff will provide an update on the status of the District response to the COVID-19 pandemic.

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

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

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

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

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

Staff and will review and comment on the Public Education and Outreach & Water Conservation Reports.

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

- a. SOCWA Engineering Committee Meeting – January 14, 2021
- b. SOCWA Finance Committee Meeting – January 19, 2021

10. **Municipal Water District Of Orange County (MWDOC) Report**
(Reference Material Included)
 - a. MWDOC Planning/Operations Meeting – January 4, 2021
 - b. MWDOC/MET Directors Workshop – January 6, 2021
 - c. MWDOC Special Board Meeting – January 8, 2021
 - d. MWDOC Administration & Finance Committee – January 13, 2021
 - e. MWDOC Member Agency 2021 Rate Study Meeting –January 14, 2021
 - f. MWDOC Board Meeting – January 20, 2021
 - g. MWDOC/OCWD Joint Planning Committee Meeting – January 27, 2021
11. **Local Agency Formation Commission (LAFCO) Report**
 - a. Report on the January 13, 2020 meeting.
12. **South Orange County Watershed Management Area (SOCWMA) Management and/or Executive Committee Report**
 - a. Report on the January 4, 2021 Management Committee meeting.
13. **ISDOC Meetings** (Reference Material Included)
 - a. Report on the January 5, 2021 ISDOC Executive Committee meeting.
14. **WACO Meetings** (Reference Material Included)
 - a. Report on the January 8, 2021 WACO meeting
 - b. Report on the January 19, 2021 WACO Planning Committee meeting

COMMITTEE AND GENERAL INFORMATION

15. **Dates to Remember for January/February** (Reference Material Included)

COMMENTS REGARDING NON-AGENDA ITEMS

ATTORNEY REPORT

CLOSED SESSION

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

1. At this time the Board will go into Closed Session pursuant to Government Code Section 54956.9 (d) (1) to consult with legal counsel and staff on a matter of pending litigation. *El Toro Water District v. Rossmoor Sanitation, Inc. et al and Does 1through 50 inclusive- Orange County Superior Court- Case No. 30-2020-01152257-CU-OR—CJC.*
2. At this time the Board will go into Closed Session pursuant to Government Code Section 54956.9 (d) (1) to consult with legal counsel and staff on a matter of pending litigation. [Class Action] *Kessner et al. v. City of Santa Clara, et al. (Santa Clara County Superior Court - Case No. 20 CV 364054).*
3. At this time the Board will go into Closed Session pursuant to Government Code Section 54956.9 (d) (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. Laguna Hills Investment Company, L.P., a Delaware Limited Liability Company, et al. inclusive of El Toro Water District and Does 1 through 20, inclusive. Defendants- Orange County Superior Court- Case No. 30-2020-01140132-CU-EI-CXC.*

REGULAR SESSION

REPORT ON CLOSED SESSION (Legal Counsel)

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

ADJOURNMENT

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

Request for Disability-Related Modifications or Accommodations

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

MINUTES OF THE REGULAR MEETING
OF THE
BOARD OF DIRECTORS
OF THE
EL TORO WATER DISTRICT
December 16, 2020

President Monin called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order via Zoom at 7:30 a.m. on December 16, 2020.

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

Committee Members JOSE F. VERGARA, MARK MONIN, KATHRYN FRESHLEY, MIKE GASKINS, and KAY HAVENS participated.

Also present were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, JASON HAYDEN, CFO, GILBERT J. GRANITO, General Counsel, SCOTT HOPKINS, Operations Superintendent, and POLLY WELSCH, Recording Secretary,

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.

Items Received Too Late To Be Agendized

President Monin asked if there are any items that came to the attention of the District after the agenda was posted that require consideration and action at today's meeting. Mr. Cafferty replied no.

Consent Calendar

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

1. Consider approving the November 24, 2020 Board meeting minutes.

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

Roll Call Vote:

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

Director Reports for Meetings Attended

Director Havens stated that she attended the ACWA Fall conference, the South Orange County Flow Ecology workshop and conference, the WACO meeting, the Mission Viejo City Council meeting, LAFCO, ACWA Region 10 meeting, a Women in Water meeting and reception with Gloria Gray, the regular Engineering/FIC meeting, today's Board meeting, and she will be attending the Orange County WaterReuse and the MWDOC Public Affairs & Legislation meetings.

Director Freshley stated that she attended the WACO meeting, the JPIA seminar on Cyber Crime, the MWDOC/MET Directors workshop, the regular Engineering/FIC meetings, today's Board meeting, the RRC meeting, the SOCWA Finance Committee meeting, the SOCWA Board meeting, the ACWA Engineering Committee meeting, the Laguna Woods City Council meeting, a CAL LAFCO seminar on proactively navigating LAFCO issues, the ACWA Fall conference, the OC LAFCO meeting, another CAL LAFCO seminar on the scope of LAFCO authority, and a Women in Water meeting and reception.

President Monin asked what was discussed at the Women in Water meeting. Director Freshley replied that they had a lot of questions for Gloria Gray and she discussed her background and accomplishments.

Director Vergara stated that he attended the ACWA Fall conference, the WACO meeting, the WACO Planning Committee meeting, the regular Engineering/FIC meetings, today's Board meeting, the South County Agencies meeting, and will be attending the WaterReuse meeting today and a South County Agencies meeting tomorrow.

Vice President Gaskins stated that he attended the ISDOC Executive Committee meeting, the JPIA meeting, the ACWA Fall conference, the ACWA Region 10 meeting, the Agenda Review meeting, two President/VP/GM meetings, the RRC meeting, the WACO meeting, the regular Engineering/FIC meetings, today's Board meeting, and will be attending the SAC meeting and the MWDOC Public Affairs meeting, and the ACWA Water Quality Committee

meeting.

President Monin stated that he attended the ISDOC Executive Committee meeting, a Lake Forest meeting on CCA's with the utilities, the ACWA Fall conference where the topics were JPIA, Energy and Water Trends, a State-wide Issue Forum, an award for Paul Jones' retirement, California Climate Change, wildfire partnership, and a working collaboration on the Colorado River. He also attended the WACO meeting, the MWDOC Admin/Finance meeting, ACWA Region 10 meeting, 2 President/VP/GM meetings, the regular Engineering/FIC meetings, and today's Board meeting.

General Manager Action Items

South County Agencies Group Meeting

Mr. Cafferty stated that they discussed the vacant seat at the MET Board when Larry McKenney left. He further stated that Dennis Erdman and Paul Jones have expressed an interest in the vacant seat.

Mr. Cafferty stated that the Board will consider approving the Board President's assignment of Director Jose Vergara as the District's representative on the South County Agencies Group MET Director Selection Committee.

Motion: President Monin made a motion, seconded by Vice President Gaskins and unanimously carried across the Board to approve the Board President's assignment of Director Jose Vergara as the District's representative on the South County Agencies Group MET Director Selection Committee.

Roll Call Vote:

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

Election of Officers

Mr. Cafferty asked Mr. Granito if he could administer the Oath of Office to the Officers and obtain their written signatures when they have the opportunity to come into the office. Mr. Granito replied yes.

Office of the President

Mr. Cafferty stated that the District's Bylaws stated that the Vice President moves into the President position, so Vice President Gaskins is now the District's President for calendar year 2021.

Election of Vice President

Motion: Director Vergara made a Motion, seconded by Director Havens and unanimously carried across the Board nominating Director Kathryn Freshley as the Vice President for calendar year 2021.

Roll Call Vote:

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

Director Freshley accepted the nomination and is now the District's Vice President.

Appointment of Treasurer

Mr. Cafferty stated that he is suggesting that the Board appoint Jason Hayden as the new Treasurer of the El Toro Water District.

President Gaskins asked for a Motion.

Motion: Director Monin made a Motion, seconded by Vice President Freshley and unanimously carried across the Board to appoint Jason Hayden as the new Treasurer of the El Toro Water District.

Roll Call Vote:

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

Ratification of Existing Officer Appointments

Mr. Cafferty stated that there is nothing to ratify, only confirming the existing Officers for the offices of Secretary (Dennis Cafferty) and Assistant Secretary (Judy Cimorell).

President Gaskins asked for a Motion.

Motion: Director Monin made a Motion, seconded by Director Havens and unanimously carried across the Board to confirm the existing Officers for the offices of Secretary (Dennis Cafferty) and Assistant Secretary (Judy Cimorell).

Roll Call Vote:

Vice President Freshley	aye
Director Havens	aye
Director Monin	aye

President Gaskins
Director Vergara

aye
aye

Oath of Office

Mr. Cafferty gave the Oath of Office to the new President, Vice President, and Treasurer of the El Toro Water District.

Resolution No. 20-12-3 Establishing Date, Time, and Place of Regular Board Meetings and Board/Engineering & Finance/Insurance Committee Meetings for Calendar Year 2021

Mr. Cafferty stated that included in the Board package are the Board meeting and Engineering/Finance meetings for calendar year 2021.

President Gaskins asked for a Motion.

Motion: Vice President Freshley made a Motion, seconded by Director Monin and unanimously carried across the Board to adopt Resolution No. 20-12-3 which establishes date, time and place of Regular Board Meetings and Board/Engineering & Finance/Insurance Committee meetings for calendar year 2021.

Roll Call Vote:

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

Resolution No. 20-12-4 Approving the updated ETWD Sewer System Management Plan

Mr. Cafferty stated that this Plan is required to be updated every 5 years.

Director Havens asked why the date of the document is 2019, and asked if we are a year behind. Mr. Cafferty replied that is correct due to staffing issues associated with COVID and a medical leave. Mr. Cafferty further replied that the next update will be completed on time.

President Gaskins asked if we will be updating the Plan in 2024. Mr. Cafferty replied yes.

President Gaskins asked for a Motion.

Motion: Director Vergara made a Motion, seconded by Vice President Freshley and unanimously carried across the Board to adopt Resolution No. 20-12-4 which approves the updated El Toro Water district Sewer System Management Plan (SSMP) consistent with State Water Resources Control Board Order No. 2006-0003. The Board also approved receiving and filing the SSMP document.

Roll Call Vote:

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

Resolution No. 20-12-5 Commemorating the Retirement of MWDOC/MET
Director Larry McKenney from the Metropolitan Water District Board

President Gaskins asked for a Motion.

Motion: Director Vergara made a Motion, seconded by Director Havens and unanimously carried across the Board to adopt Resolution No. 20-12-5 which commemorates the accomplishments and service of Larry McKenney on the Metropolitan Water District of Southern California Board of Directors.

Roll Call Vote:

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

Resolution No. 20-12-6 Directors Compensation Policy

Mr. Cafferty stated that this policy was discussed at the last Board meeting and is being brought back to the Board for further discussion. He further stated that this Resolution proposes changes to the Directors Compensation Policy to add health insurance as a benefit.

Director Monin stated that he feels each Director should be allowed to make their own choice of whether they would like medical insurance or long-term care.

Director Vergara asked how many Directors are using the long-term care insurance. Mr. Cafferty replied three. Director Vergara asked if any of the 3 would benefit by switching to medical instead of long-term care. Mr.

Cafferty replied that possibly 2 of the Directors could benefit by switching to medical.

Vice President Freshley agreed that there should be flexibility for each Director to select from among several options.

Director Havens stated that she feels that each Director should be allowed to make an individual choice.

President Gaskins stated that he agrees with the option of choice for each Director.

President Gaskins asked for a Motion.

Motion: Director Vergara made a Motion, seconded by Director Monin and unanimously carried across the Board to adopt Resolution No. 20-12-6 which proposes changes to the Directors Compensation Policy to add health insurance as an optional benefit that members of the District's Board of Directors may select in lieu of Long Term Care Insurance.

Roll Call Vote:

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

General Manager Information Items

COVID-19 Update

Mr. Cafferty stated that we extended the Emergency Leave through February. He further stated that there is now a new sub-tier level of pandemic metrics driving regional stay at home orders.

Mr. Cafferty stated that hospitals in Orange County are suffering. He further stated that staff continues to take safety protocols with limited office staff and alternate work shifts in the field.

At approximately 8:35 a.m. Mr. Hopkins left the meeting.

General Manager's Monthly Report

Mr. Cafferty stated that included in the General Managers report is a group letter that came from the South County Agencies to MET regarding the selection of a General Manager. He further stated that Don Chadd from Trabuco Canyon, who is the Chairman of the South County Agencies signed the letter.

Vice President Freshley asked on the Collection System Activity Report, can we show what our expectations are and/or planned to do. Mr. Cafferty replied that we could modify the report to show current progress.

Director Havens stated that she watched a Laguna Woods meeting where they mentioned that ETWD was going to give a 15 minute presentation at an upcoming meeting. Mr. Cafferty replied that following the last CAG meeting where we gave a presentation on the Sewer System maintenance, Lynn Jarret reached out to him and asked if staff could provide a briefer presentation to the Third Mutual Board. He further stated that he will make himself available and provide a briefer presentation for them.

Director Monin suggested putting some information in the Breeze newsletter.

Public Education and Outreach & Water Conservation Reports

Director Monin stated that in the MWDOC Admin/Finance meeting they discussed MWDOC's involvement with UCI, Fullerton, and other 4-year colleges, and he brought up Saddleback, Rancho Santiago, and OC Community colleges. Mr. Cafferty stated that we will focus on being involved with these colleges when we have the opportunity to do so.

SOCWA Reports

Mr. Cafferty stated that at the Finance Committee they focused on the SOCWA Finance report, their CAFR, OPEB issues, and some financial statements.

Vice President Freshley stated that the SOCWA Board meeting is tomorrow.

Mr. Cafferty stated for the past year the Managers from the 10 member agencies have been meeting to discuss issues and some discussions have been about the JPA agreement in which they are trying to simplify the terms and conditions of various agreements. He further stated that we will be going from 10 agencies to 8 as San Juan Capistrano is being absorbed by Santa Margarita, and Irvine has made it clear that they are leaving SOCWA but will continue to contract in the Ocean Outfall and the Effluent Transmission Main.

MWDOC

Director Monin stated that at the MWDOC Admin/Finance meeting they made a point that a person has been hired by the Sierra Club to work on opposing the Delta project. He further stated they also brought up Charlie

Wilson's organization, and rates being bundled or unbundled from MET.

Vice President Freshley asked what did they mean by rates being bundled or unbundled. Mr. Cafferty replied that they are individual line items with individual rates, so MET's rates are system access rates, power rates, and there used to be a water stewardship rate that went to zero this year. He further stated that they also have a Tier 1 supply rate, and a separate treatment surcharge if you are buying treated water.

Director Vergara stated that years ago MET sold 2.1 million acre feet per year, and now the projection is 1.5 million acre feet per year, which is a substantial amount of revenue loss. He further stated that in addition to this, several agencies collaborated to build the Baker Plant and are now buying untreated water so there is an amount of money that MET has invested in treatment plants where they can't recover the money.

LAFCO

Vice President Freshley stated that at the LAFCO meeting they discussed the dedicated service of Cheryl Brothers. She further stated that they also selected Doug Davert as the new Chair, and Lisa Bartlett as the Vice Chair.

SOCWMA

Director Havens stated that she attended the South Orange County Flow Ecology Study where they are working on a Flow Ecology Model Tool. She further stated that they will most likely try to calibrate this tool using 40 year old Arroyo Toad data.

ISDOC

Director Monin stated that they discussed the letter going out about MET's criteria for a General Manager. He further stated that they also discussed Yorba Linda's Helipad project.

At approximately 9:25 a.m. Mr. Hayden left the meeting.

WACO

Director Vergara stated that they discussed an update on Mesa Water's study on the integrity of their pipeline. He further stated that for the next meeting they will have Mike Gunson who is a PhD and a scientist from JPL and he will speak about the global change and energy program.

Director Vergara stated that they announced the new Vice Chair, Mark Monin.

Director Havens stated that e-pulse technology and the accuracy of it was part of the presentation.

Director Monin asked if we are mapping in GIS past failures and any potential future failures. Mr. Cafferty replied yes.

City Coordination Efforts

There were no comments.

Committee and General Information

Dates to Remember for December 2020/January 2021

There were no comments.

Comments Regarding Non-Agenda Items

Mr. Cafferty stated that staff is discussing with Raftelis the potential to

perform a new Cost of Service Study evaluating existing rates.

Attorney Report

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

Adjournment

There being no further business to come before the Board the meeting was adjourned at 9:47 a.m.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

MIKE GASKINS, President of
the El Toro Water District and the
Board of Directors thereof

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

RESOLUTION NO. 21-1-2

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
EL TORO WATER DISTRICT
MODIFYING STANDING AND EXTERNAL
ORGANIZATION BOARD AND STAFF ASSIGNMENTS
FOR CALENDAR YEAR 2021

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

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

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

ADOPTED, SIGNED AND APPROVED this 28th day of January 2021.

MIKE GASKINS, President
El Toro Water District and the
Board of Directors thereof

(SEAL)

ATTEST:

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

**EXHIBIT A
RESOLUTION 21-1-2**

BOARD/STAFF MEMBER ORGANIZATIONAL AND STANDING COMMITTEE ASSIGNMENTS – 2021

<u>ORGANIZATION</u>	<u>REPRESENTATIVE</u>	<u>ALTERNATE</u>	<u>FREQUENCY</u>
WACO Planning	Monin	Vergara	Monthly
SOCWA Board	Freshley	Havens	Monthly
SOCWA Finance Committee	Cafferty	Freshley	Monthly
ISDOC	Monin	Havens	Monthly
LAFCO	Freshley	Havens	Monthly
JPIA	Freshley	Gaskins	Semi-Annual
MWDOC Board	Gaskins	Vergara	Monthly
MWDOC Admin & Finance Committee	Monin	Vergara	Monthly
MWDOC Planning & Ops Committee	Gaskins	Vergara	Monthly
Santiago Aqueduct Commission	Havens	Gaskins	Quarterly
South OC Watershed Management Area Executive Committee	Havens	Freshley	Quarterly
South OC Water Agencies Group	Gaskins	Vergara	Bi-Monthly
Lake Forest Chamber of Commerce	Gaskins	Vergara	As Required
ACWA Energy/Engineering Committee	Freshley	N/A	As Required
ACWA Education/Finance Committee	Monin	N/A	As Required
ACWA Water Quality Committee	Gaskins	N/A	As Required
<u>ETWD COMMITTEE</u>	<u>CHAIRMAN</u>	<u>ALTERNATE</u>	<u>FREQUENCY</u>
Agenda Review	Gaskins	Freshley	Monthly
Engineering Committee	Vergara	Havens	Monthly (Full Board)
Finance & Insurance Committee	Havens	Monin	Monthly (Full Board)
Community Advisory Group (CAG)	Monin	Vergara	Quarterly
Regional Reclamation Committee (RRC)	Freshley	Havens	Monthly
Computer Technology	Freshley	Gaskins	Annual/As Required
Audit Committee	Monin	Freshley	Annual/As Required
Budget Committee	Freshley	Monin	Annual/As Required
Human Resources Committee	Gaskins	Monin	Annual/As Required
Water Quality Committee	Vergara	Havens	Annual/As Required

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



STAFF REPORT

To: Board of Directors

Meeting Date: January 28, 2021

From: Dennis Cafferty, General Manager

Subject: COVID-19 Response

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

A new surge of COVID-19 cases and associated hospitalizations began in early November. Daily new cases in Orange County have been as high as 5,000 new cases per day with hospitalizations and Intensive Care Unit occupancy rising to levels significantly greater than anytime previous in the COVID-19 pandemic. During the summer peak, hospitalizations due to COVID peaked at 722. On January 7, hospitalizations in Orange County reached 2,259 patients.

On December 3, 2020 the Governor announced a new "Regional Stay Home Order" that now uses ICU available capacity as a trigger. The State grouped counties into five regions that will be subject to new more severe restrictions when available ICU capacity falls below 15%. The Southern California Region, of which Orange County is a part, became subject to the new restrictions on December 7, 2020. Orange County ICU capacity is currently approximately 5% with over 500 ICU COVID patients.

The County of Orange, together with the Orange County fire services, has launched an effort named 'Operation Independence' to complete all county vaccinations by July 4, 2021. The County is using Super PODs (Points of Dispensing) in an effort to efficiently expedite the vaccination process. The first Super POD has been operating at Disneyland since January 13 administering approximately 3,000 vaccinations per day. A second Super POD is scheduled to begin operations at Soka University in Aliso Viejo on January 23.

Vaccines are being given to the public in a phased, tiered approach. Vaccines are currently available to Orange County residents in the Phase 1A classification including those who work as first responders in high-risk communities and those who are 65 years of age or over. As of January 17th, 88,539 individuals in Orange County have received a first dose of the

vaccine and 20,272 have received a second dose. These numbers reflect total vaccinations provided by traditional healthcare providers (hospitals, pharmacies, etc.) as well as the County. To put it in context, there are more than 3.2 million people in Orange County, with more than 485,000 people age 65 and over and approximately 250,000 critical and health care workers and first responders.

Based on currently available information it appears the water/wastewater sector will be considered for vaccinations as Phase IC. The County vaccination plan projects completion of Phase I vaccinations as soon as February. Vaccine availability will be critical to the success of both the Phase I vaccine distribution plan as well as Operation Independence.

Specific ETWD impacts, approaches and status are summarized as follows:

Customer Billing – The suspension of non-pay shutoffs continues. The incidence of late payments or customers communicating that they are unable to pay their bill due to the financial crisis associated with the COVID-19 pandemic continues increase. Staff will continue to closely monitor billing for any further indication of trends or patterns as well as assess the impact of these trends on District finances.

Staffing – The following descriptions provide an overall description of the current approach to staffing and schedules:

- **Illness** – The District staff has now experienced 13 employees that have tested positive for the COVID-19 virus. Most have fully recovered and returned to full time work. Most of these employees are believed to have contracted the virus outside of the ETWD workplace.
- **OSHA Requirements** – Cal/OSHA recently enacted new regulations regarding COVID-19 safety protocols in the workplace. The District was already compliant with most of the requirements. The Board approved the District's COVID-19 Prevention Program (CPP) at the Special Board Meeting on January 14. One of the requirements of the new OSHA Regulations is to provide training on the CPP to employees. The District provided training to the District employees at an all employee meeting on January 19.
- **Work Safety Protocols** – The District's management staff continues to emphatically remind and require all staff of the critical need to practice social distancing of a minimum of six feet as well as the need to follow CDC guidelines regarding hand washing and other personal hygiene.

The recently modified guidance regarding face coverings now requires face coverings when employees are indoors and more than one employee are in the same space or office, regardless of the distance. The District has advised the employees of the new requirements and of the District's strict adherence to the face coverings requirements. Staff has been informed and consistently reminded that the combination of face coverings, distance and hygiene are the most effective means to mitigate the potential of contracting the virus.

These safety protocols were described again, in detail, at the January 19 employee training. ETWD staff was further reminded that these safety protocols and the requirements of the CPP are to be diligently adhered to by all ETWD employees.

- Telecommuting – Staff has expanded its telecommuting capability encouraging additional staff to work remotely, further reducing the number of people in the Main Office at the same time. All of the Main Office staff is working remotely to various extents.
- Field Operations – There has been a clear surge in COVID cases in Orange County. In an effort to minimize staff interaction and mitigate the potential for transmission of the virus at the ETWD workplace the Operations Department recently changed to a Shift A / Shift B schedule. The two shifts work Mon – Wed and Thurs – Sat to avoid contact or comingling.
- Self-Certification – Staff continues to follow the requirement for daily self-certification that employees are not suffering from a fever or any of the typical COVID-19 symptoms. Employees are required to provide the daily certification on-line.

GENERAL MANAGER'S REPORT

January 2021

I. GENERAL MANAGER MEETINGS

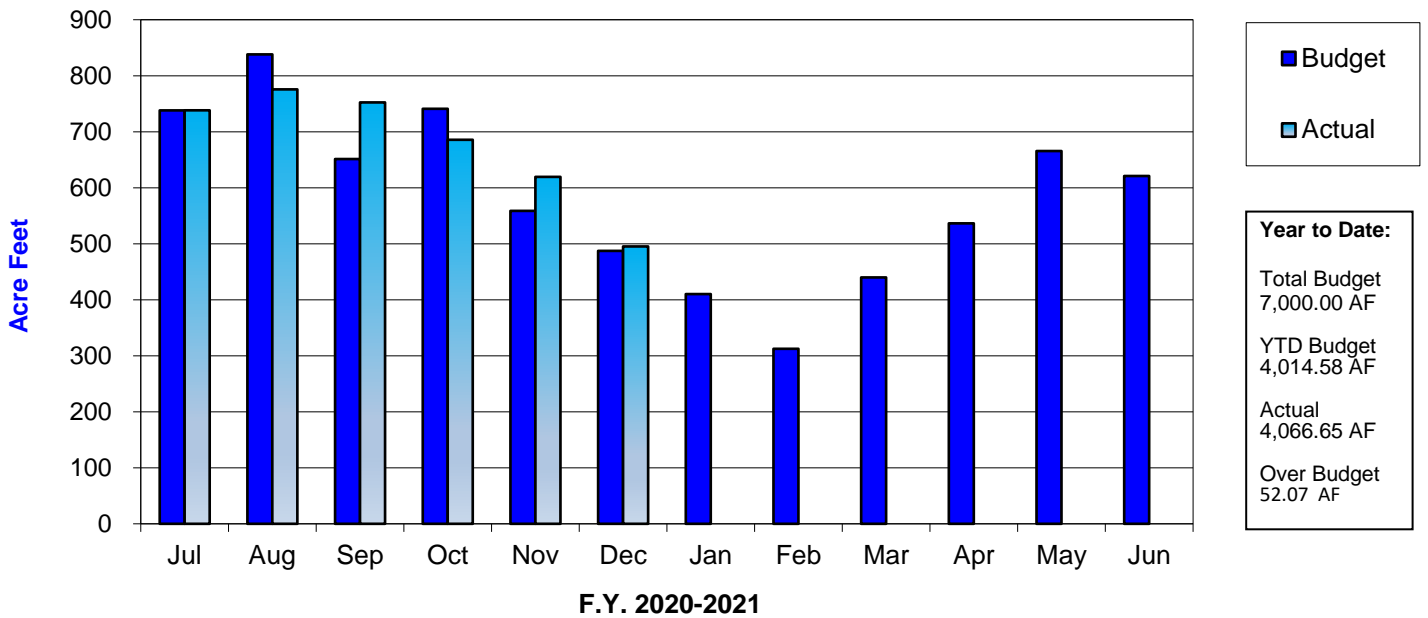
- President/Vice President/GM Meetings
- Agenda Review Meeting
- Conducted ETWD All Employee Meetings
- ETWD Engineering & Finance Committee Meetings
- ETWD Regular Board Meeting
- ETWD Special Board Meeting
- WEROC COVID Vaccination Managers Meetings
- Meeting with SMWD to Discuss SMWD Project Funding Experience
- SOCWMA Management Committee Meeting
- Meeting with Soto Resources to Discuss Project Funding Options
- Raftelis Financial Consultants Meeting
- Springbook Financial Software Demonstration Meeting
- OCWA Meeting
- OC Recycled Water Guidelines Meetings
- MWDOC Rate Study Kickoff Meeting
- MWDOC Planning/Operations Committee Meeting
- MWDOC/MET Directors Workshop
- MWDOC Admin/Finance Committee Meeting
- MWDOC Board Meeting
- MWDOC Managers Meeting & Retail Water Demand Forecast Update
- IRWD Meeting Regarding LAWRP Reconstruction
- SMWD Economic Forecast
- AWIA Workshop
- South County Agencies MWDOC/MET Director Nominating Committee Meetings
- SOCWA Board Meeting
- SOCWA Finance Committee Meeting

II. DOMESTIC AND RECYCLED WATER SALES

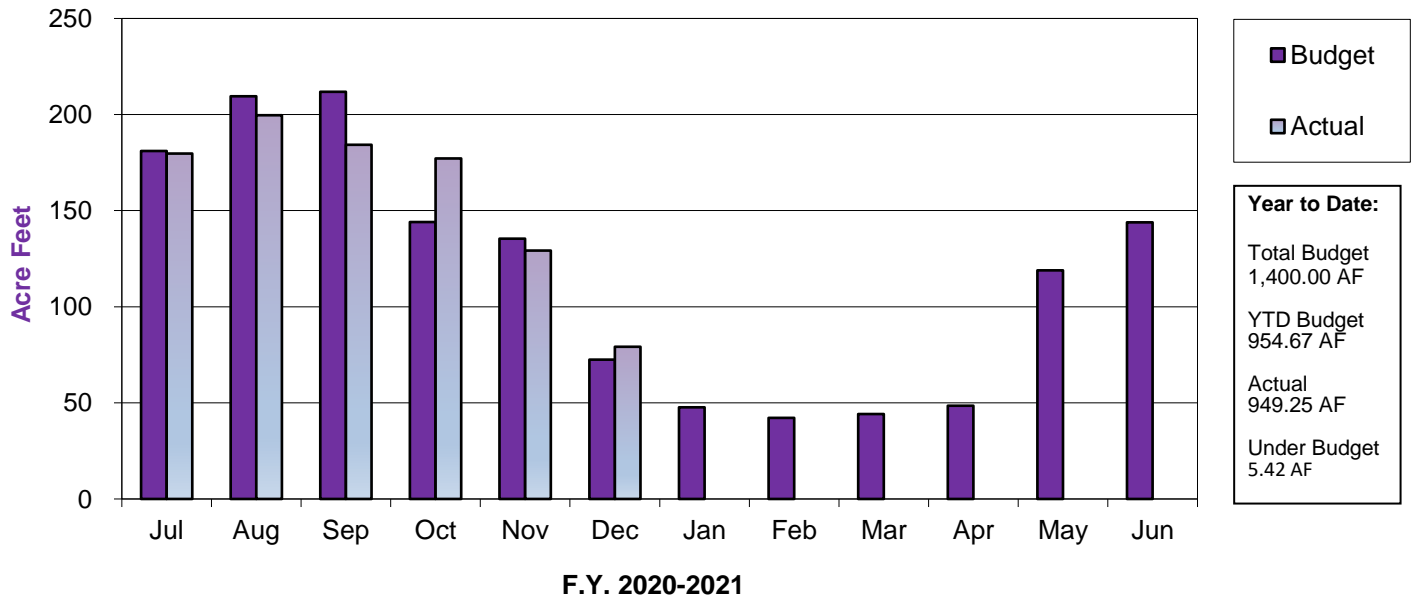
Actual domestic sales for the year-to-date as of December 31, 2020 are 4,066.65 acre-feet. This compares to year-to-date budgeted domestic sales of 4,014.58 acre-feet. The year-to-date variation in actual to budgeted sales reflects an increase of 52.07 acre-feet. Actual sales are 102.51 acre-feet higher than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of December 31, 2020 are 949.25 acre-feet. This compares to year-to-date budgeted recycled sales of 954.67 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 5.42 acre-feet. Actual sales are 107.64 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	DEC 2020	DEC 2019	Telephone Calls	DEC 2020	DEC 2019
Serviceman Dispatched to Read, Connect/Disconnect Service	93	81	Change of Service: Connections and Disconnections	69	74
Field Investigations:			Billing / Payments & Graph Inquires	200	270
Check for leaks - calls to CS Office:(irrigation,meter,street leaks)			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	32	57
Customer Responsible	24	23	Variance / Adjustment Inquiries	20	40
District Responsible	7	6	Variance / Adjustment Requests Processed	16	8
None found/other	18	17	Ordinance Infraction / Water Waste Complaints	1	1
High Reads Checked - High Consumption (Billing Dept.)	39	52			
Cust Leaks: _16_ No Leaks: _23_ Check Stopped Slowed Meters-Low Consumption (Billing)	12	26	Outside Utility Districts	76	59
Re-Check Read	4	8	Phone calls Transfer to other Departments within ETWD	42	55
Ordinance Infraction	1	2	Phone calls for the Board of Directors	1	1
Recycled Water	0	0	Recycled Water	0	2
Water Quality: Taste / Odor / Color	2	3	Water Quality Taste - Odor - Color	5	1
Phone response: _1_ Field response: _1_ Flooding (Hydrant) Meters issued	3	0	Leaks / Breaks	18	17
Sewer - Odor/Stoppage/ Manhole Covers	5	2	Flooding Meter calls (Hydrant)	5	0
Meter Box: Lids / Covers Replaced	24	36	Sewer Problems (odor / spills)	3	1
Meter Box Clean, Digout	6	16	Backflow / Cross Connection (questions or yearly testing forms)	2	0
Raised Meter Box	0	2	ETWD facilities inquiries: Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	14	7
Trim Bushes / Meter Obstruction	6	78			
General Maintenance Response	4	4	Tyco (ADT) Calls (Alarms to ETWD facilities)	0	0
Fire Hydrants: Hit / Leaks / Caps	0	1	ATT Calls (access to tower sites)	0	0
Pressure(psi) Checks / Reads	5	4	SCE Calls (access to tower sites)	0	0
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	7	4	Pager Calls specifically for Pump Stations - SCADA	0	0
AMS angle-meter-stop replace/repair	0	2			
Bees Removed	5	2			
Backflow / Cross Connection	3	2	Payment Extensions	6	49
Fogged Registers	53	16	Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)	183	66
OMCOP: Old Meter Change - Out Program	1	4	Return Calls from customers left on our voice mail system. Ext 500	19	8
Other: (uncommon non-maintenance calls)	3	1	Email Correspondence:	147	32
On-Call After Hrs. CS Response	6	16	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	10	1
# 48/24 Hr. Door Hangers Hung	0	152	Misc. (other: employment, deliveries, sales calls)	21	37
# Locked Off For Non-Pay (Disconnect)	0	13			
Removed Meter	0	1			
New Meter	4	5			
Unread Meters	9	45			
Total Field Investigations	344	624	Total Telephone Calls	890	786

Uncollectible Accounts:

			Credit Card Payments	DEC 2020	DEC 2019
Budget YTD	\$10,000.00	\$ 10,000.00	REGULAR	914 \$109,005.24	824 \$91,496.05
Actual YTD	\$ 4,687.00	\$ 4,907.00			

(WRP) Tertiary Treatment Plant

December-20

Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.134	0.594	0.066	0.794
Total Q MG	4.144	18.429	2.046	24.619
Total Acre Feet	12.717	56.557	6.279	75.553
* No Potable Water Was Used to Supplement the Demand for Recycled Water in December.				

MICROBIOLOGICAL MONITORING

December 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

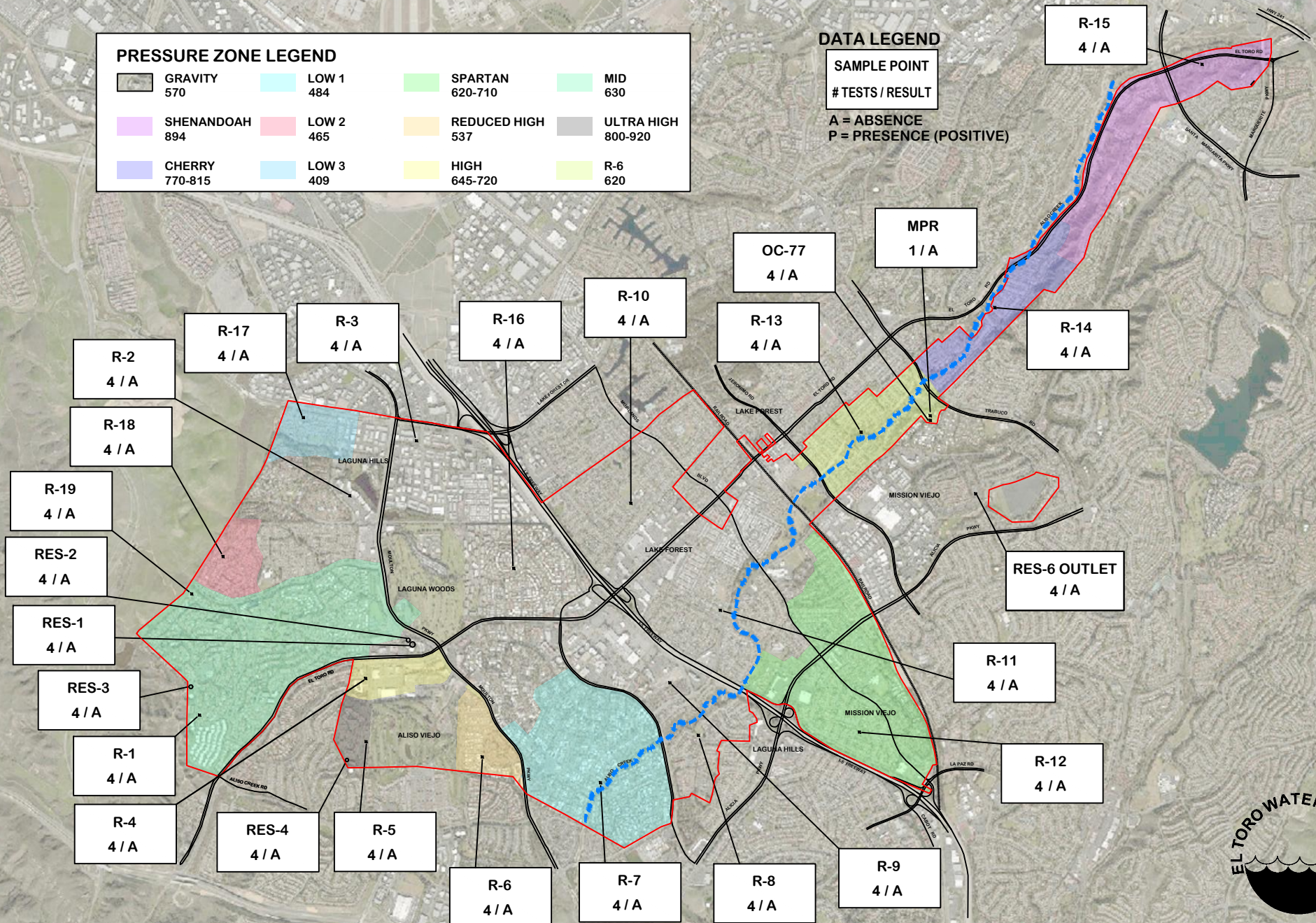
DATA LEGEND

SAMPLE POINT

TESTS / RESULT

A = ABSENCE

P = PRESENCE (POSITIVE)



CHLORINE RESIDUAL MONITORING

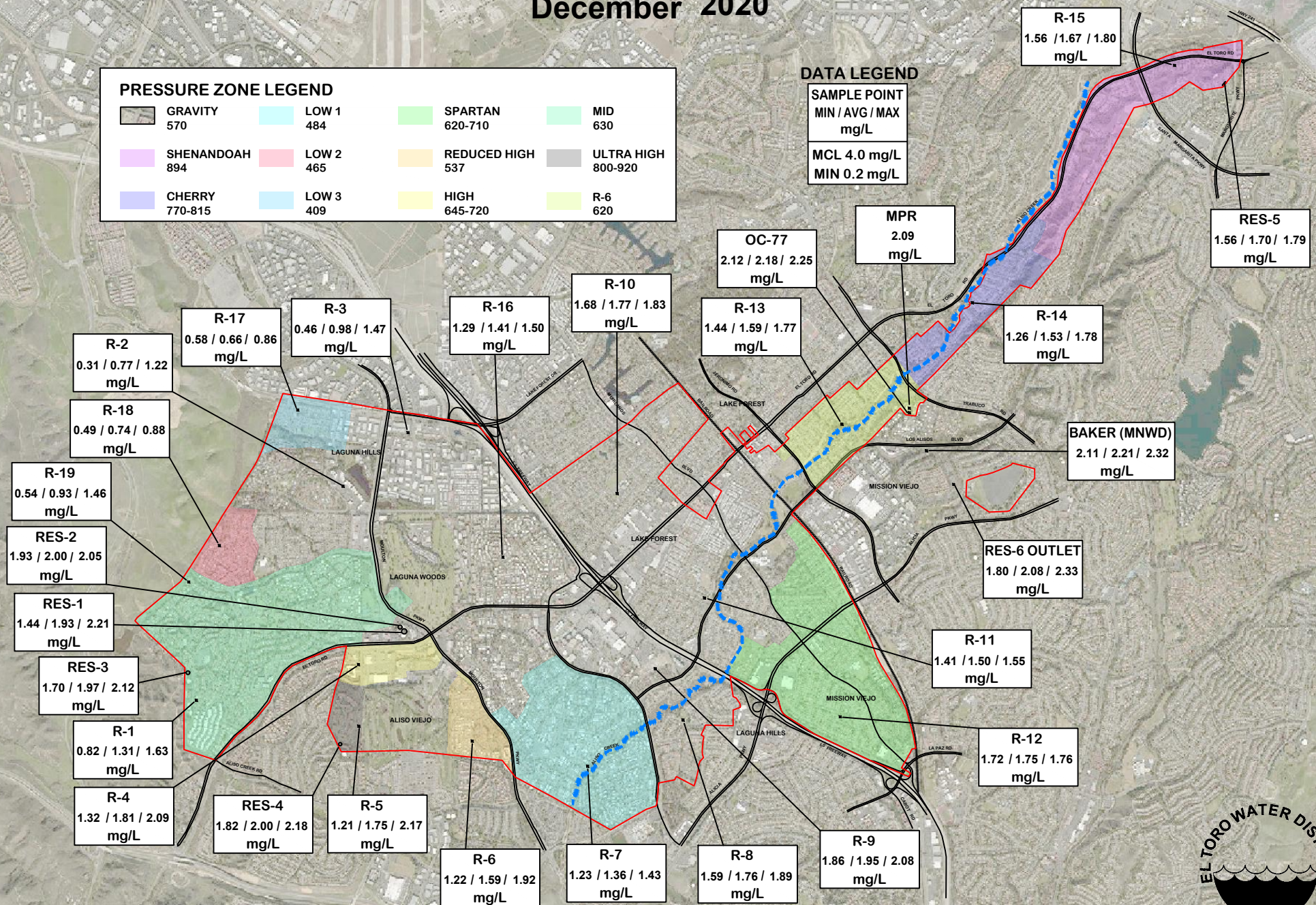
December 2020

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

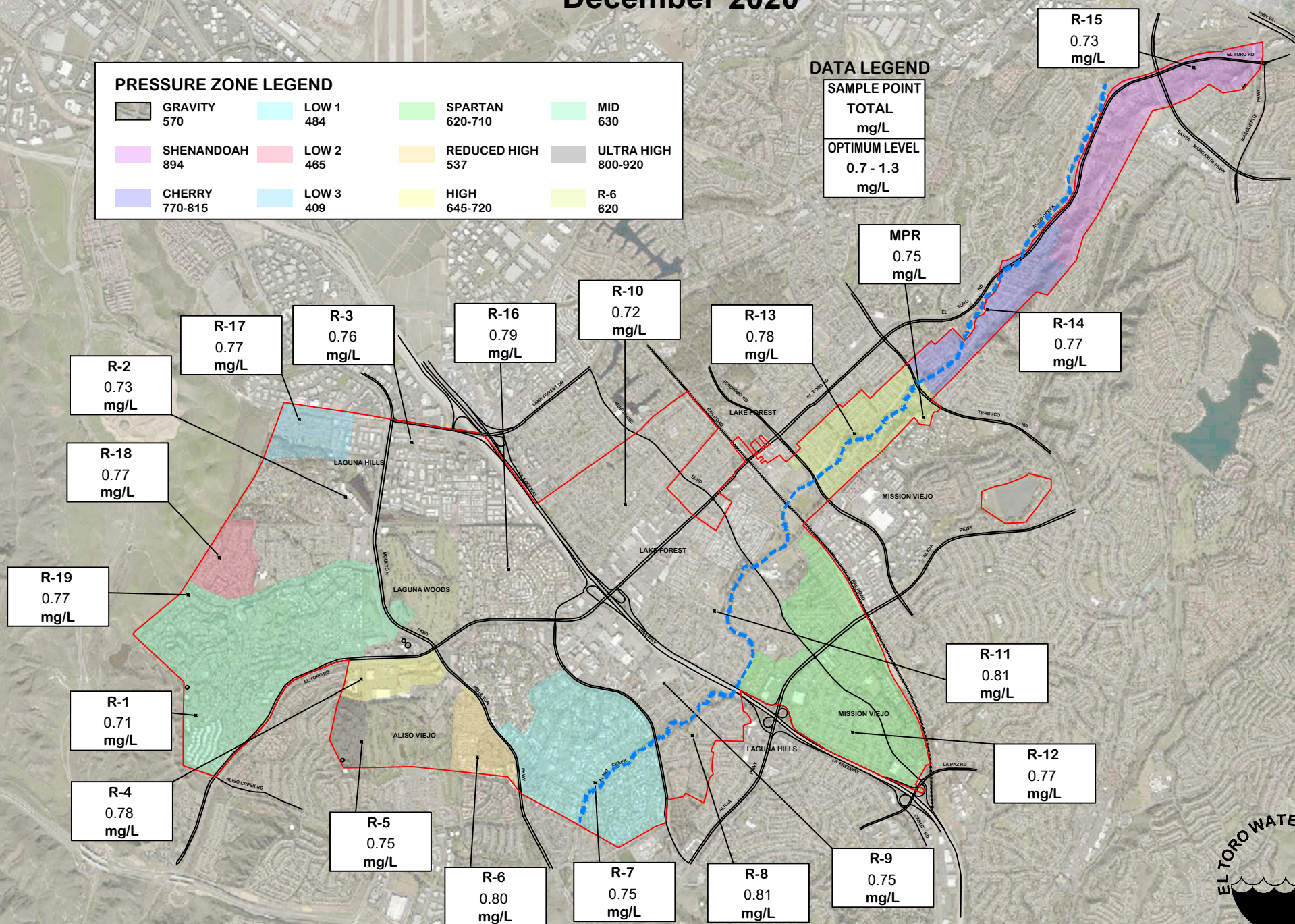
December 2020

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

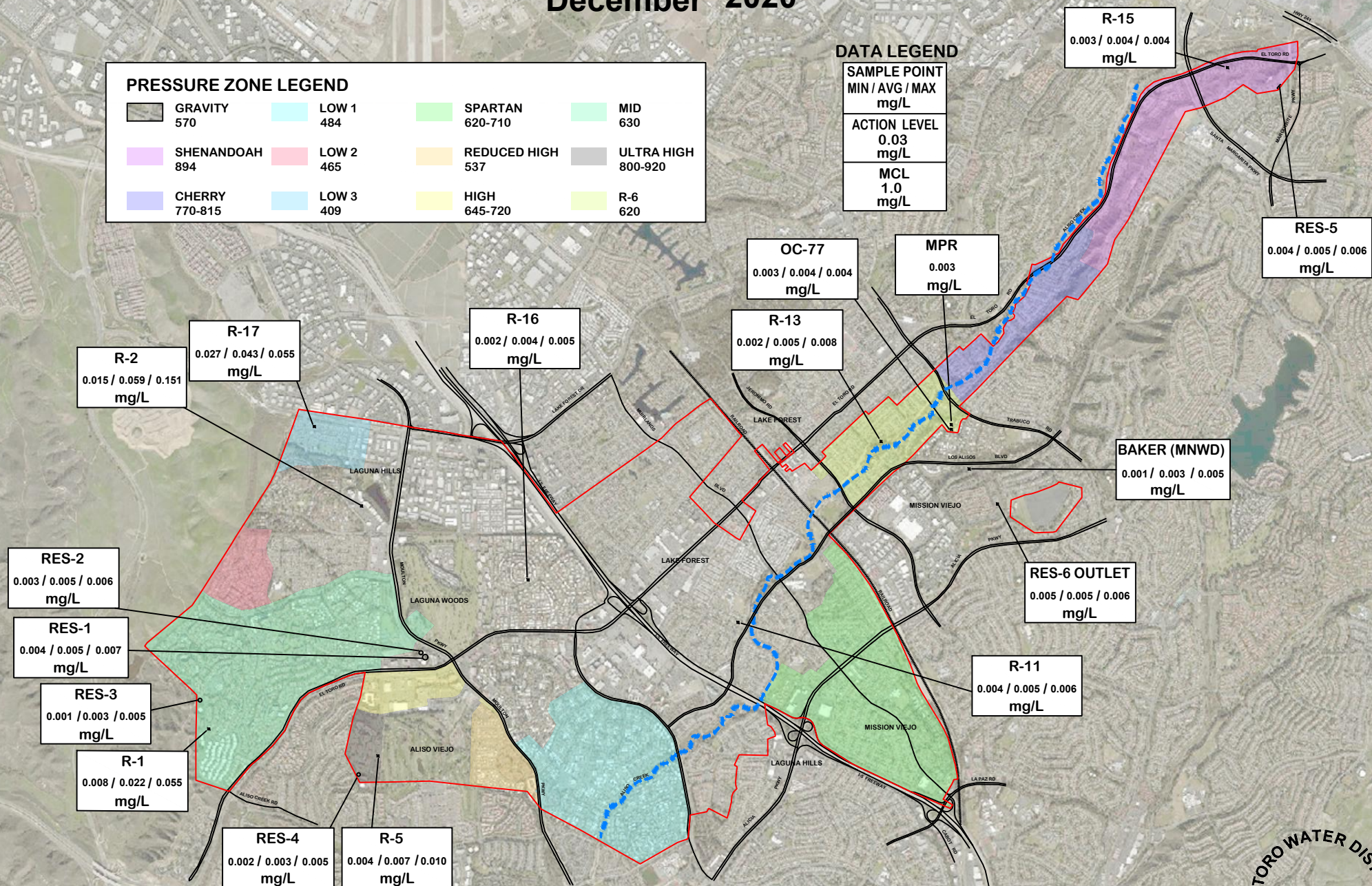
December 2020

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
ACTION LEVEL 0.03 mg/L
MCL 1.0 mg/L



STAGE 2 TOTAL TRIHALOMETHANES (TTHM) MONITORING

4th QUARTER 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 ppb
MCL 80 ppb

SITE 2
32.5
ppb

SITE 5
26.9
ppb

SITE 8
29.5
ppb

SITE 7
26.6
ppb

SITE 4
30.9
ppb

SITE 3
28.5
ppb

SITE 1
30.7
ppb

SITE 6
28.1
ppb



STAGE 2 HALOACETIC ACIDS (HAA5) MONITORING

4th QUARTER 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 ppb
MCL 60 ppb

ND : NONE
DETECTED

SITE 2
8.6
ppb

SITE 8
8.7
ppb

SITE 5
5.9
ppb

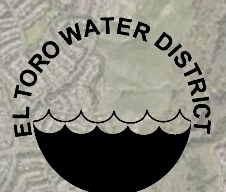
SITE 4
13.9
ppb

SITE 3
9.2
ppb

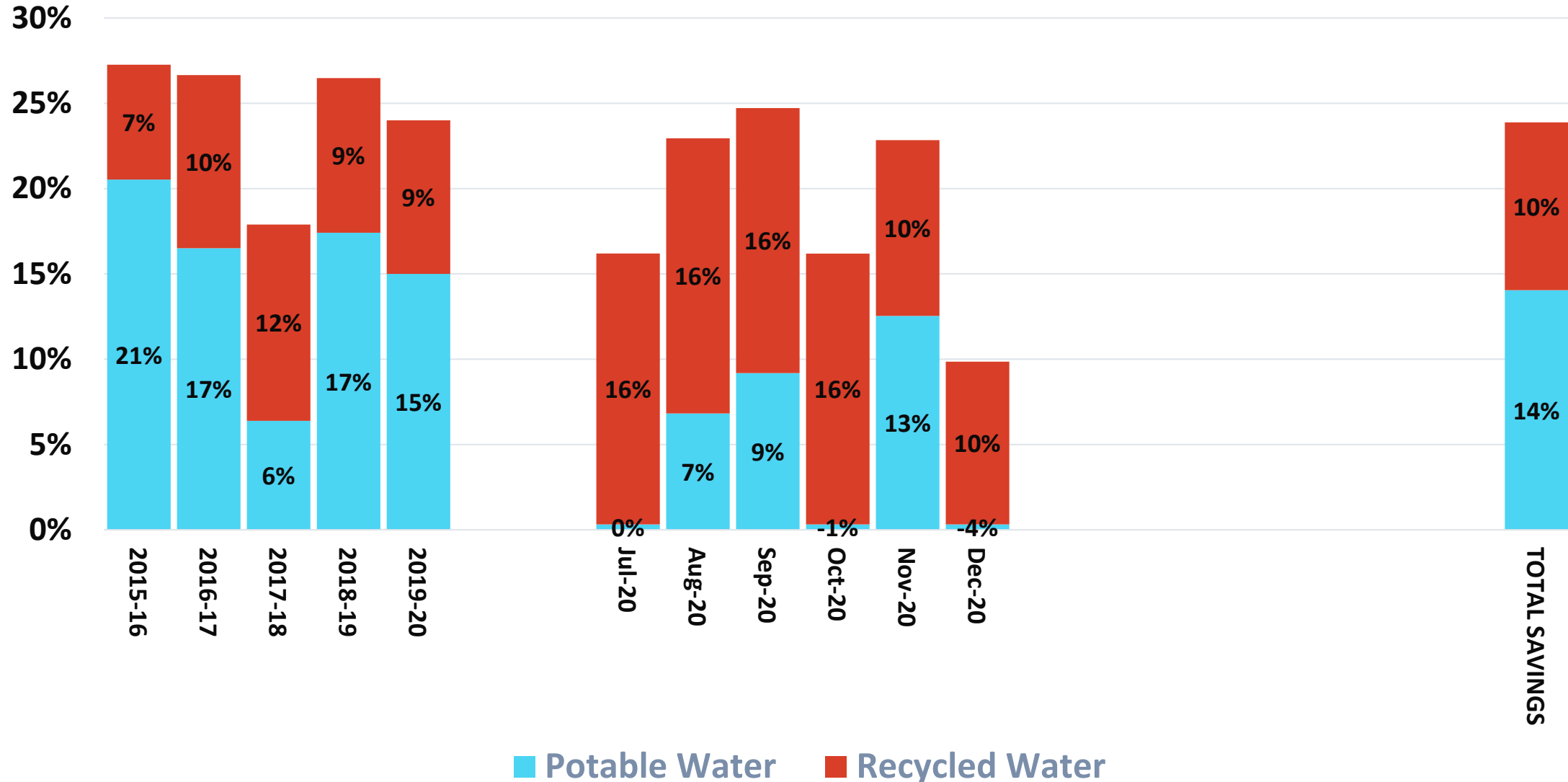
SITE 1
16.5
ppb

SITE 6
6.9
ppb

SITE 7
6.3
ppb



ETWD WATER SAVINGS COMPARED TO 2013



**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: DECEMBER YEAR : 2020					
CONSTITUENT ANALYSIS	INSIDE LAB		OUTSIDE LAB		
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	153	Absence		Average
2 Chlorine (ppm)	Detectable Resid	235	Average = 1.41 ppm		
3 TTHM (ppb) (Stage 2)	80 ppb		N/A	8	29.2 (ppb)
3 HAA5 (ppb) (Stage 2)	60 ppb		N/A	8	9.5 (ppb)
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.00 to 0.07		
Odor	3 Units	20	ND<1		
Color	15 Units	20	ND<5		
Temperature	No standard	20	67.0°F To 73.0°F		
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	89	0.001 to 0.007 Res.		

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

Abbreviations:

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

EL TORO WATER DISTRICT COLLECTION SYSTEM ACTIVITY REPORT



MONTH ENDING: **DECEMBER 2020**

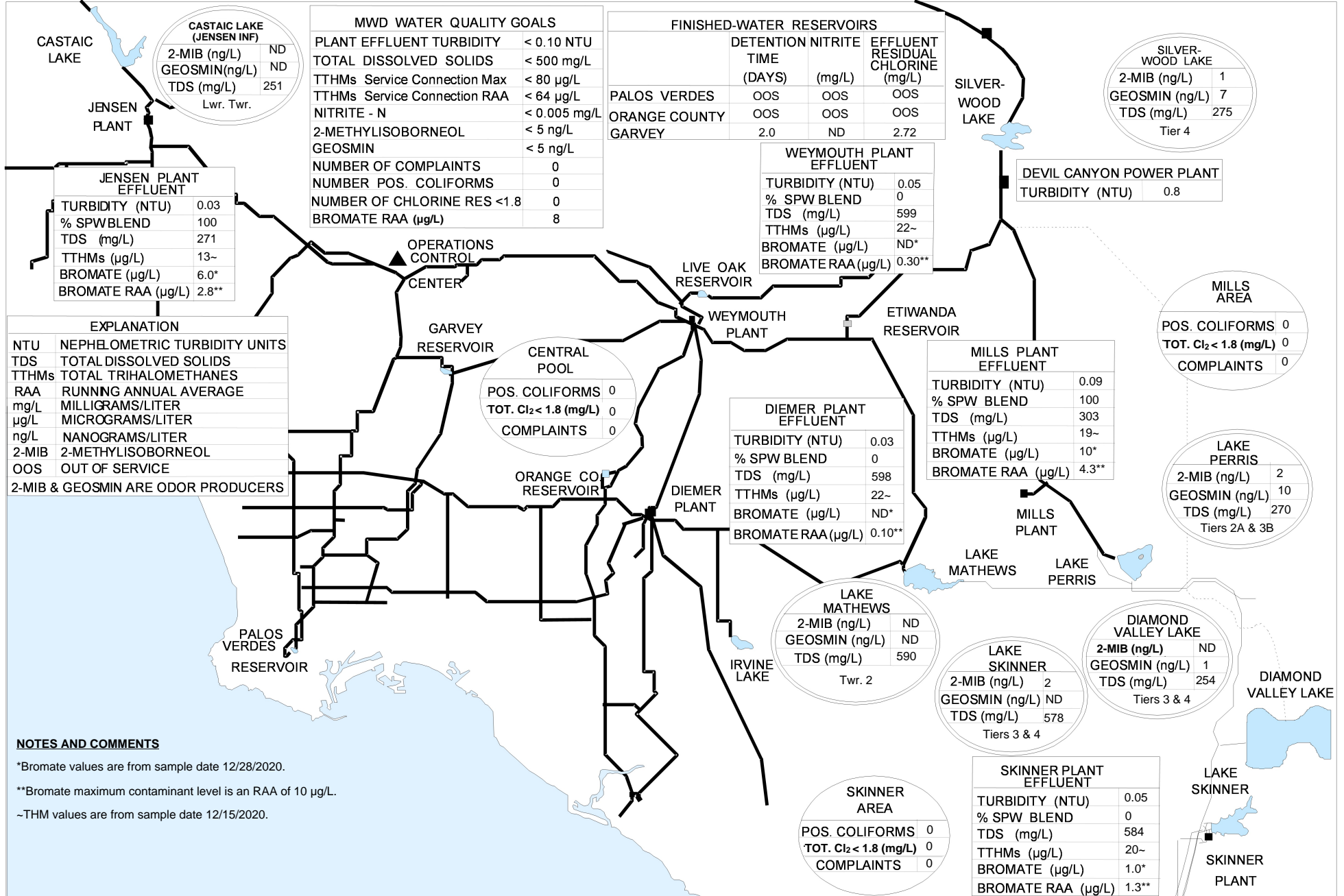
ODOR COMPLAINTS	MONTHLY	ANNUAL	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village	1	7	808 Ronda Mendoza Unit D Corked & Cleaned Lines		
Laguna Woods Village	0	1			
New World	0				
Private System	0				
Other: WRP	0				
TOTAL	1	8			
ROOT FOAMING	FOOTAGE	CHEMICAL USED	COMMENTS		
Outside Laguna Woods 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 ¹	MONTHLY FOOTAGE	TOTAL CYCLE FOOTAGE	TOTAL CYCLE COMPLETE	% CYCLE COMPLETE	% SCHEDULE
Outside Laguna Woods Village	48,421	421,175	421,175	100%	100%
Laguna Woods Village	0	242,266	242,266	100%	100%
New World	0	18,108	18,108	100%	100%
Private System	0				
TOTAL	48,421	681,549	681,549	100%	100%
Hot Spots	14,865				
COMBINED TOTALS:	63,286				
TV INSPECTIONS ²	FOOTAGE	TOTAL CYCLE	TOTAL CYCLE COMPLETE	% CYCLE COMPLETE	% CYCLE 5 YEAR SCHEDULE
Outside Laguna Woods Village	4,572	344,265	194,509	56%	87%
Laguna Woods Village	4,913	263,472	221,411	84%	87%
New World	0	8,556	8,556	100%	87%
Private System	0	0	0		
Other	0	0	0		
TOTAL	9,485	616,293	415,920	67%	87%
Wet Well Cleaning	3		MATHIS, LAPAZ, VEEH 1, VEEH 2		
Flow Meter/Sampling	0				
Water Tank Fills 64	64,000	327,600gal			

1 The Hydrocleaning Objective is a 2 Year Cycle to Clean the Entire System. The current cycle began on 01/01/2019

2 The TV Inspection Objective is a 5 Year Cycle to Inspect the Entire System. The current cycle began on 09/01/2016

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



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



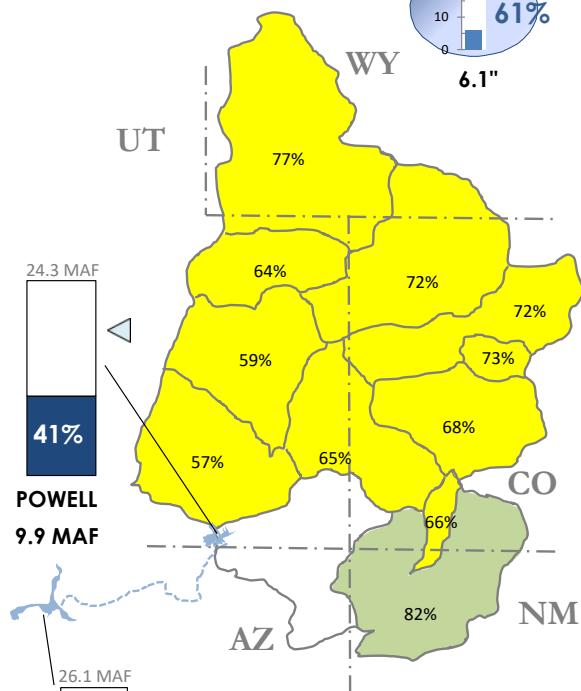
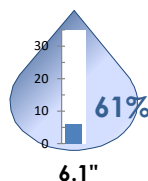
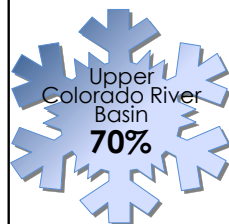
Water Supply Conditions Report

As of: 01/14/2021

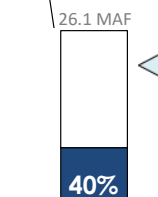
2021 Colorado River

1,067,000 AF

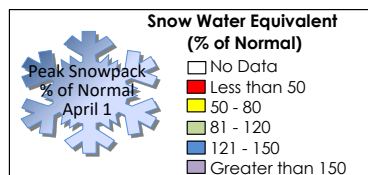
Projected CRA Diversions



POWELL
9.9 MAF



MEAD
10.41 MAF
1084.79 FT



Turn page for more CRA Data

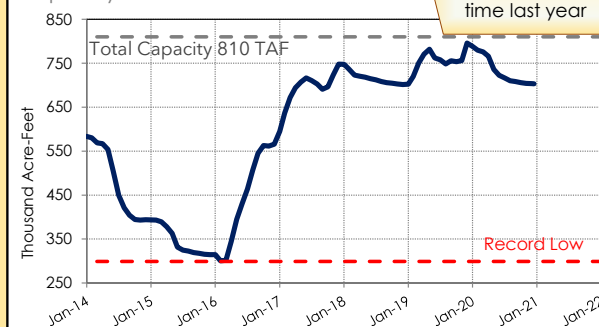
Flip Over for SWP Data

Highlights

- ❖ Snowpack in the Sierra is at 48% of normal
- ❖ Precipitation at the 8 Station Index is at 40% of normal
- ❖ Snowpack in the Upper Colorado is at 70% of normal
- ❖ Precipitation in the Upper Colorado is at 61% of normal

Diamond Valley Lake Storage

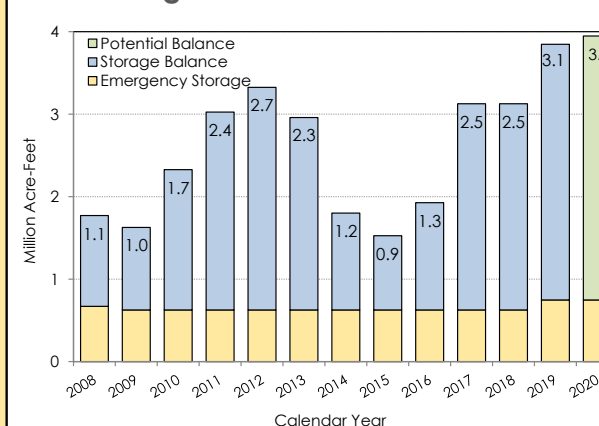
Capacity: 810 TAF



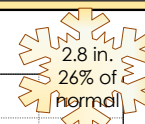
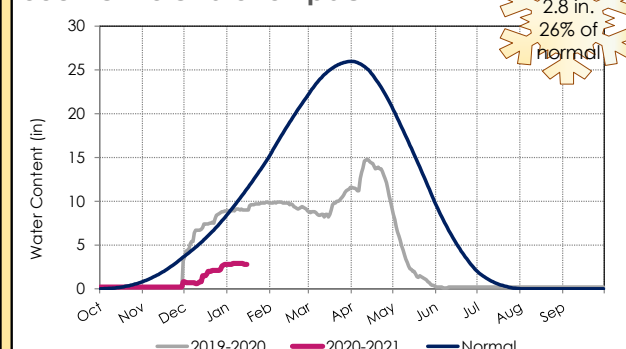
85 TAF less in storage than this time last year

Record Low

MWD Storage Reserve Levels

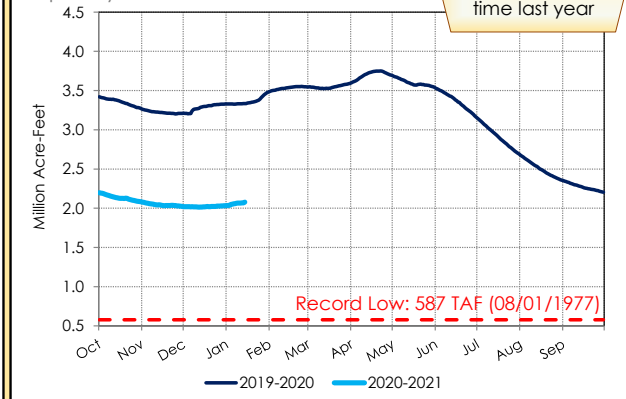


Southern Sierra Snowpack



Lake Shasta Reservoir Storage

Capacity: 4.55 MAF



1.26 MAF less in storage than this time last year

Record Low: 587 TAF (08/01/1977)



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

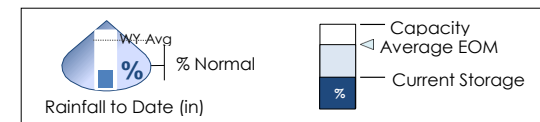
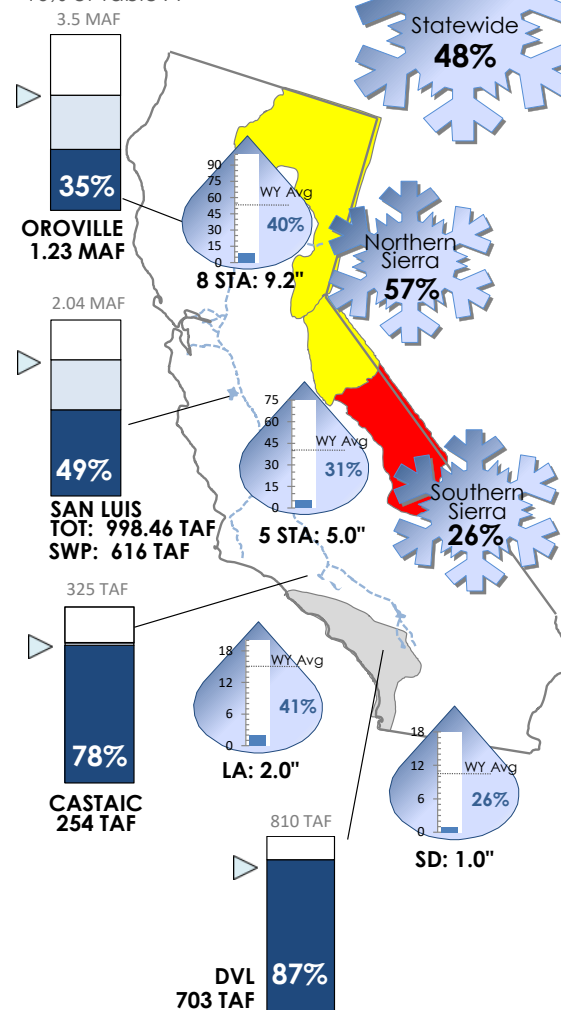


Water Supply Conditions Report

As of: 01/14/2021

2021 SWP Allocation

191,150 AF
10% of Table A



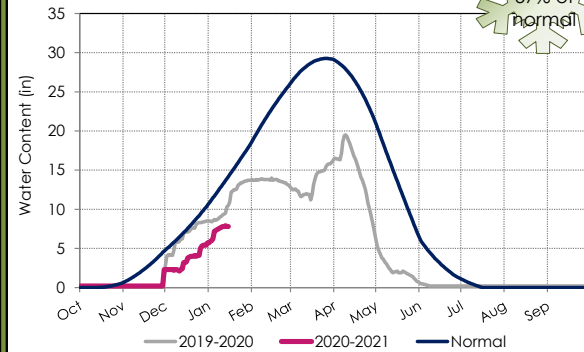
Flip Over for CRA Data

Turn page for more SWP Data

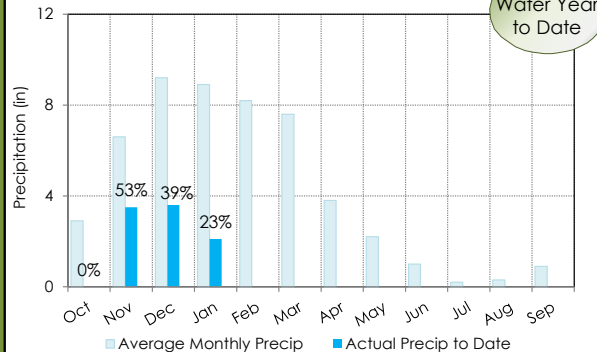
As of: 01/14/2021

State Water Project Resources

Northern Sierra Snowpack

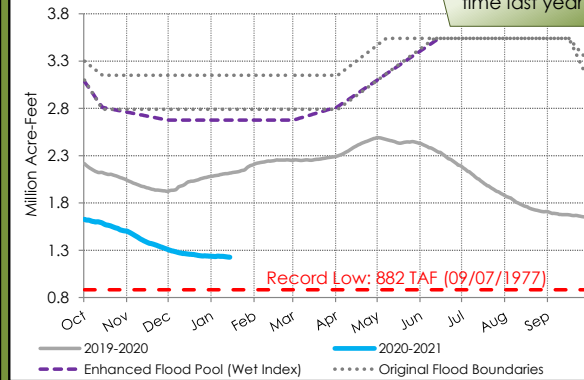


8 Station Index Precip

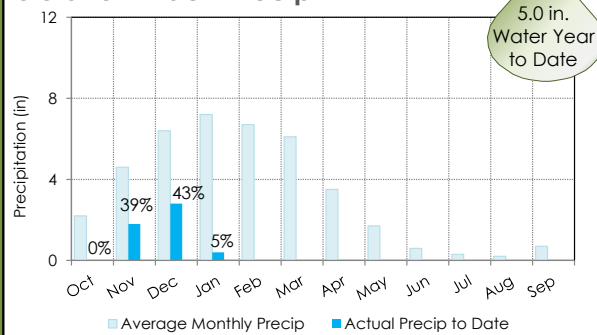


Oroville Reservoir Storage

Capacity: 3.5 MAF

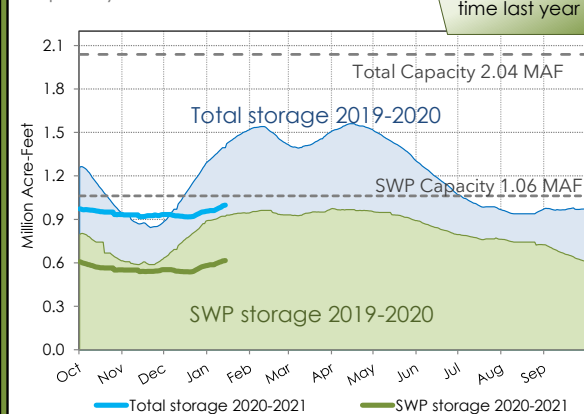


5 Station Index Precip



San Luis Reservoir Storage

Capacity: 2.04 MAF



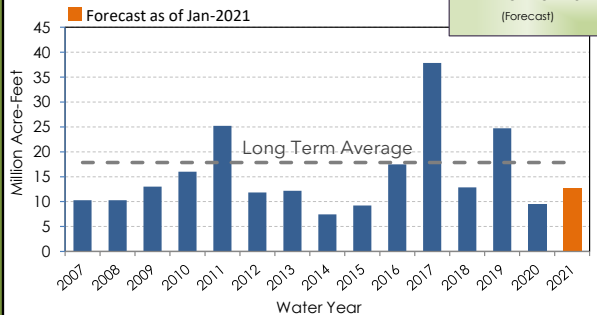
Other SWP Contract Supplies

Calendar Year 2021

Carryover
207,000 AF

Transfer Supplies
TBD

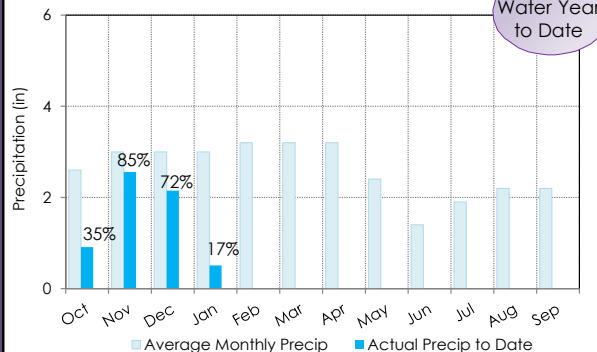
Sacramento River Runoff



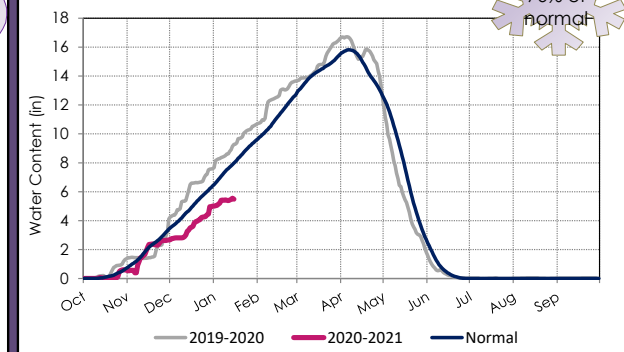
Colorado River Resources

As of: 01/14/2021

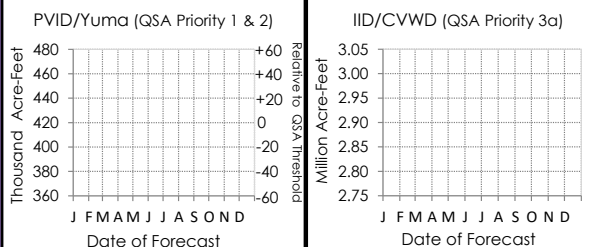
Upper Colorado Basin Precip



Upper Colorado Basin Snowpack

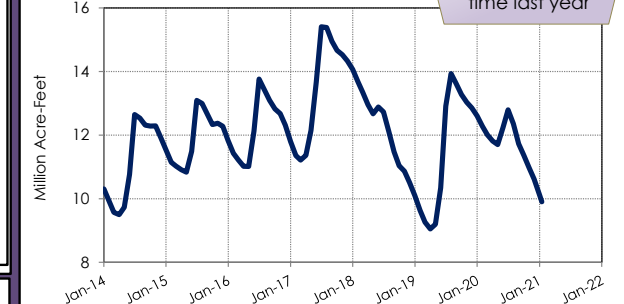


2021 Colorado River Ag Use



Lake Powell Storage

Capacity: 24.3 MAF



Lake Mead Shortage/Surplus Outlook

	2021	2022	2023	2024	2025
Shortage	0%	23%	44%	49%	53%
Surplus	0%	0%	4%	7%	11%

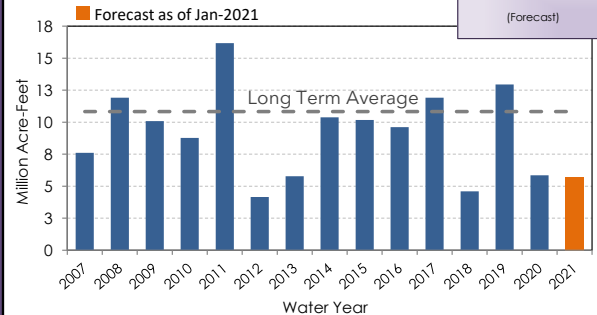
Likelihood based on results from the August 2020 CRSS model run. Includes DCP Contributions.

Projected Lake Mead ICS

Calendar Year 2021

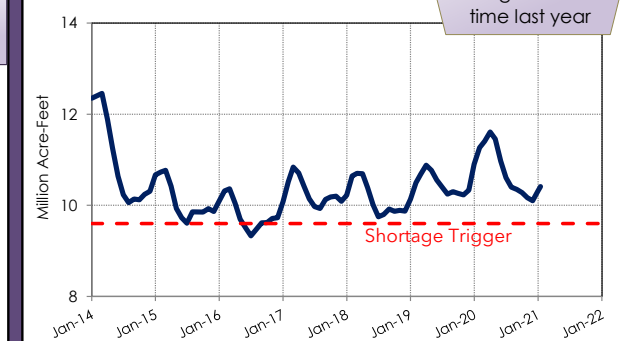
Put (+)/Take(-)
-59,000 AF

Powell Unregulated Inflow



Lake Mead Storage

Capacity: 26.1 MAF





Memorandum

DATE: January 13, 2021
TO: Member Agencies – MWD OC Division Five
FROM: Sat Tamaribuchi, Director – Division Five
SUBJECT: Monthly Water Usage Data, Tier 2 Projection & Water Supply Information

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

- OC Water Usage, Monthly by Supply ***OCWD Groundwater was the main supply in November.***
- OC Water Usage, Monthly, Comparison to Previous Years Water usage in ***November 2020 was slightly below average compared to the last 5 years.*** We are projecting a slight decrease in overall water usage compared to FY 2019-20. It has been 44 months since all mandatory water restrictions were lifted by the California State Water Resources Control Board.
- Historical OC Water Consumption Orange County M & I water consumption is ***projected*** to be ***523,000 AF in FY 2020-21*** (this includes ~15 TAF of agricultural usage and non-retail water agency usage). This is about ***11,000 AF less than FY 2019-20*** and is about ***8,000 AF more than FY 2018-19.*** Water usage per person is projected to be slightly lower in ***FY 2020-21 for Orange County at 146 gallons per day*** (This includes recycled water). Although OC population has increased 20% over the past two decades, water usage has not increased, on average. A long-term decrease in per-capita water usage is attributed mostly to Water Use Efficiency (water conservation) efforts. ***O.C. Water Usage for the last five Fiscal Years is the lowest since the 1982-83 Fiscal Year*** (FY 1982-83 was the third wettest year on record).

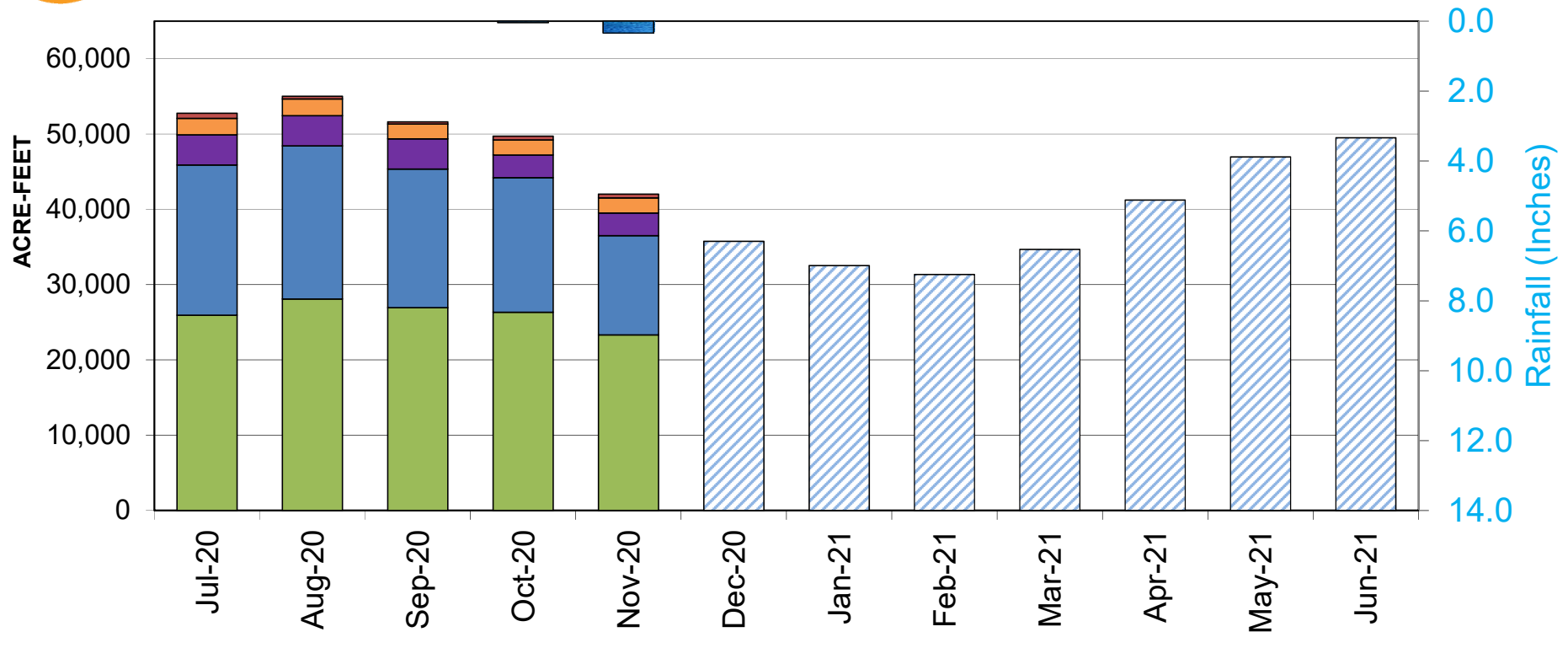
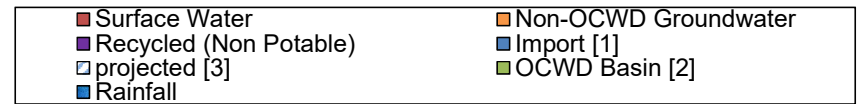
Water Supply Information Includes data on Rainfall in OC; the OCWD Basin overdraft; Northern California and Colorado River Basin hydrologic data; the State Water Project (SWP) Allocation, and regional storage volumes. The data have implications for the magnitude of supplies from the three watersheds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

- Orange County's accumulated precipitation through ***early January*** was below average for this period. Water year to date rainfall in Orange County is ***2.00 inches***, which is ***50% of normal.***

- Northern California accumulated precipitation through **early January** was **39% of normal for this period**. Water Year 2020 was 63% of normal while water year 2019 was 137% of normal. The **Northern California snowpack was 53% as of December 30th**. **As of late December, 95.14%** of California is experiencing **moderate to exceptional drought conditions** while 100.00% of the state is experiencing abnormally dry conditions. The State Water Project Contractors Table A Allocation was set at 10% in December 2020.
- Colorado River Basin accumulated precipitation through **early December** was **62% of normal** for this period. The **Upper Colorado Basin snowpack was 75% of normal** as of January 4th. **Lake Mead and Lake Powell** combined have about **58% of their average storage volume** for this time of year and are at **40.7% of their total capacity**. If Lake Mead's **level falls below a "trigger" limit 1,075 ft. at the end of a calendar year**, then a shortage will be declared by the US Bureau of Reclamation (USBR), impacting Colorado River water deliveries to the Lower Basin states. As of early October, Lake Mead levels were **8.89' above the "trigger" limit**. The USBR predicts that the start of 2020 will not hit the "trigger" level but there is **a 0% chance that the trigger level will be hit in 2021 and a 23% chance in 2022**.



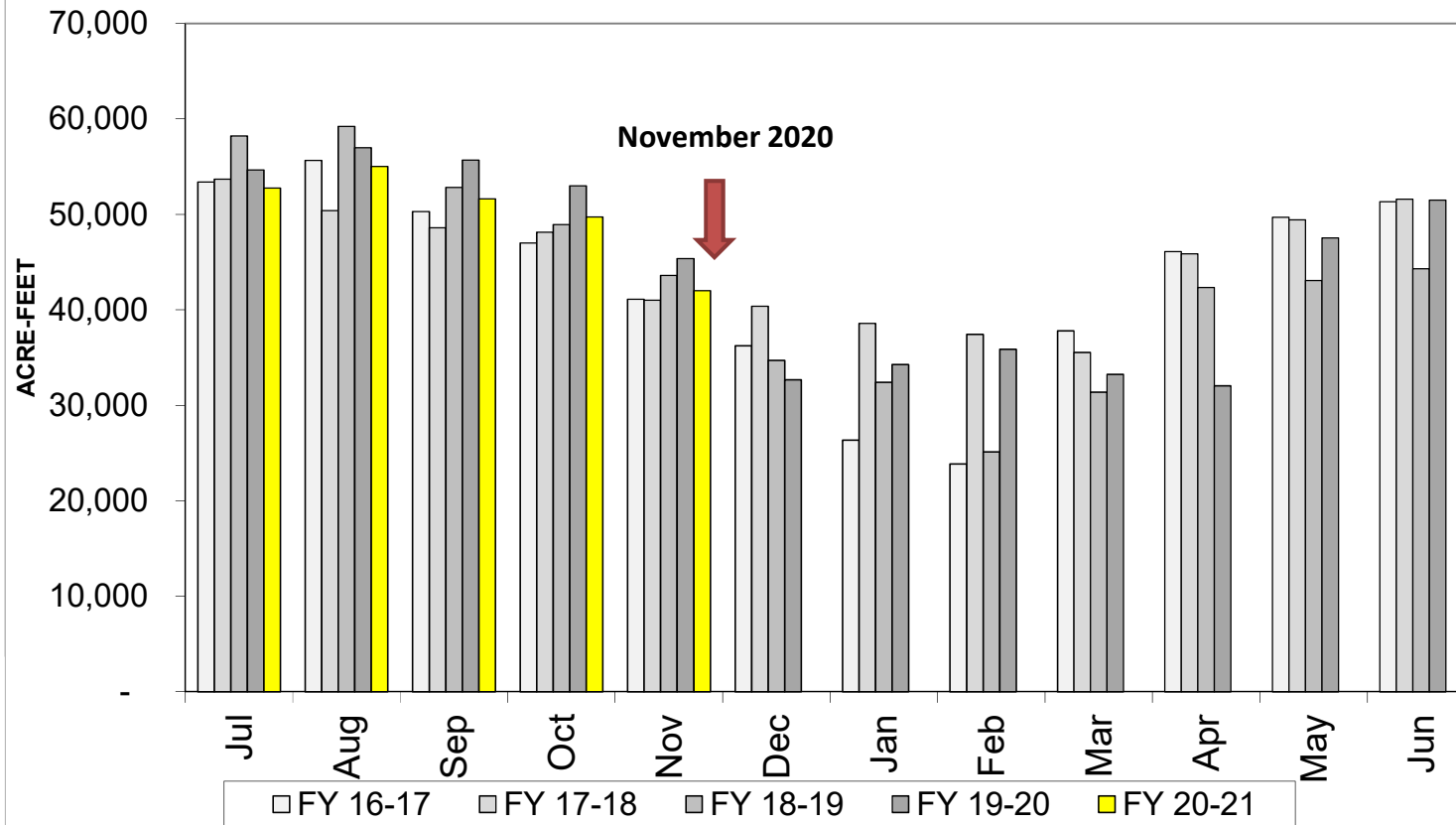
Fig. 1 OC Water Usage, Monthly by Supply with projection to end of fiscal year



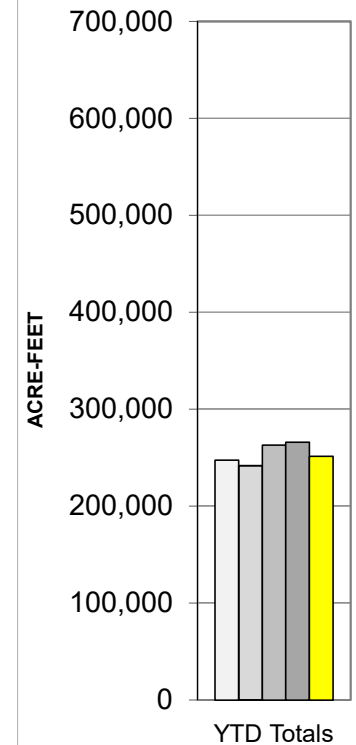
- [1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water and deliveries into Irvine Lake.
- [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '20-21 is 77%.
- [3] MWDOC's estimate of monthly demand is based on the projected 5 Year historical retail water demand and historical monthly demand patterns.
- [4] Total water usage includes IRWD groundwater agricultural use and usage by non-retail water agencies.



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

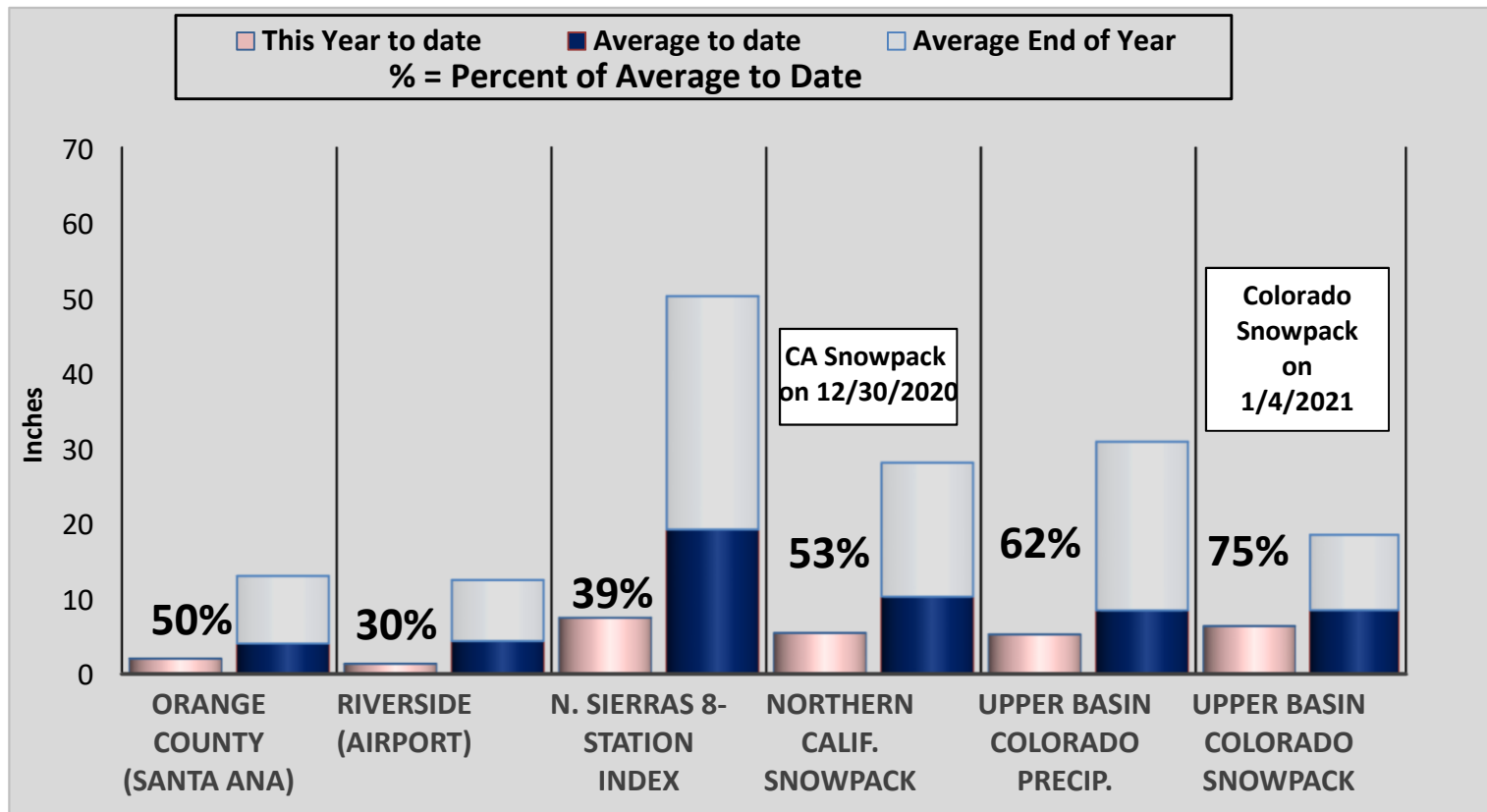


Partial Year Subtotals



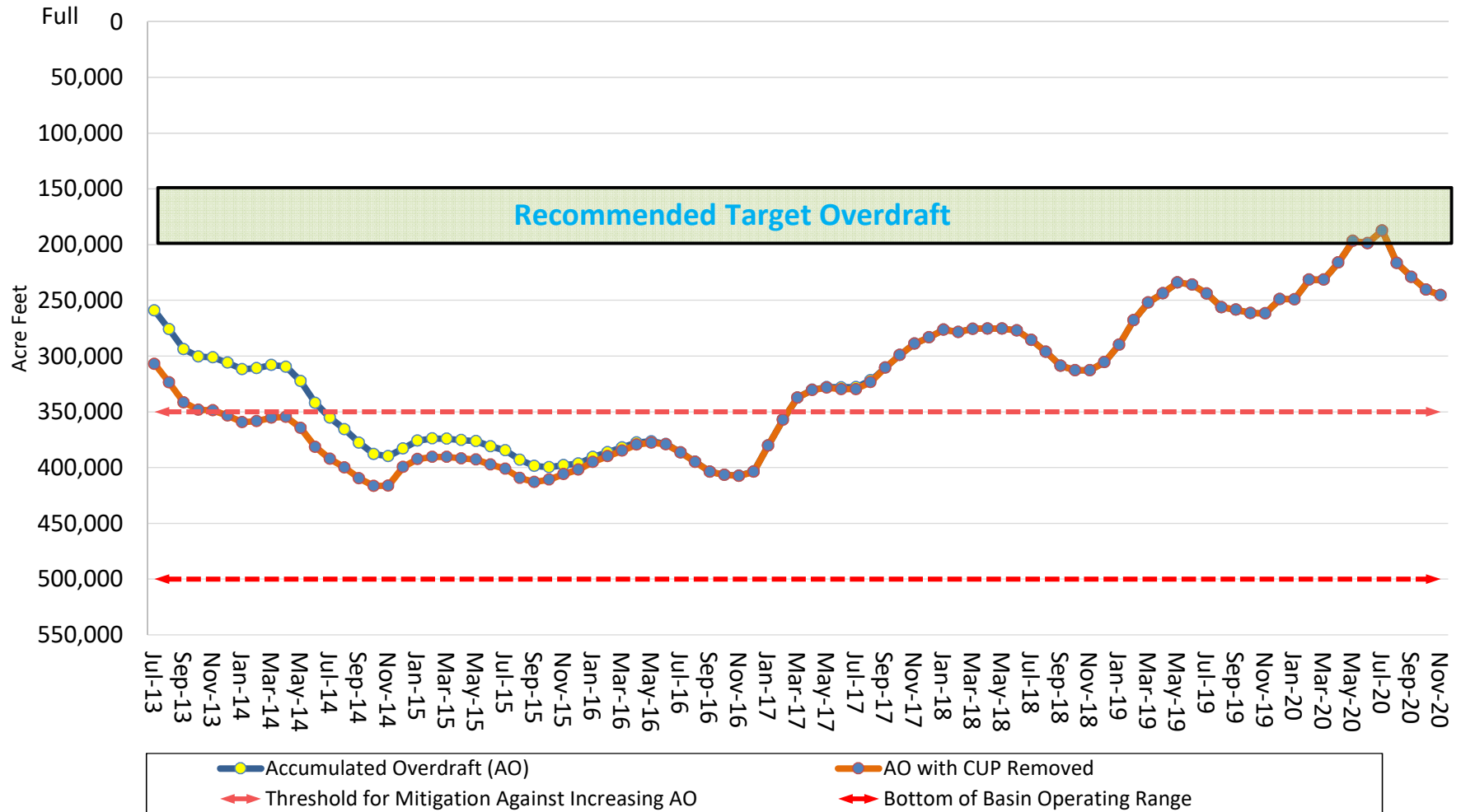
[1] Sum of Imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water and excludes GWRS production) Recent months numbers include some estimation.

Accumulated Precipitation for the Oct.-Sep. water year, early January 2021



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

Accumulated Overdraft of the OCWD Groundwater Basin as of November 2020



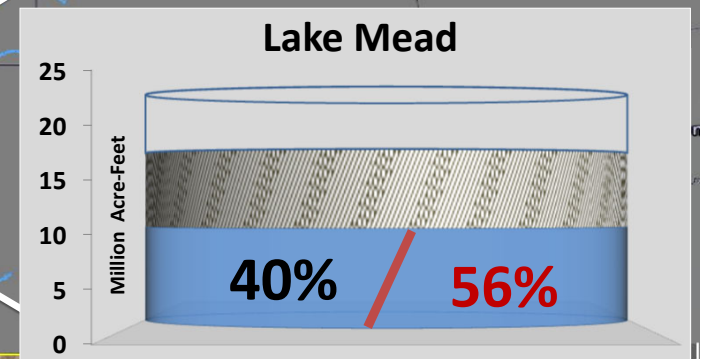
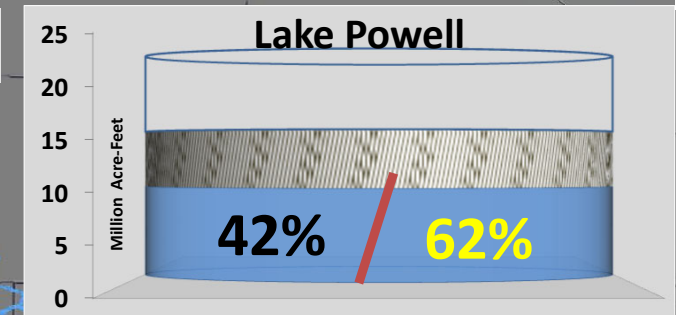
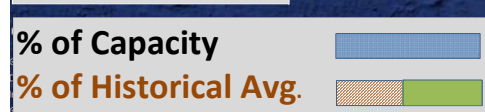
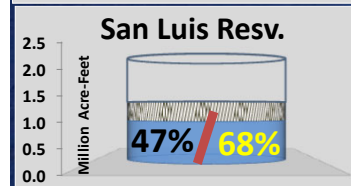
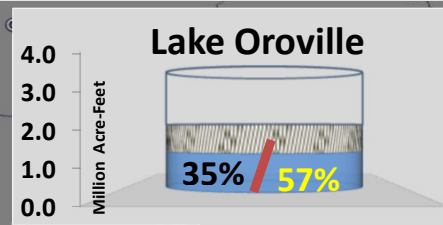
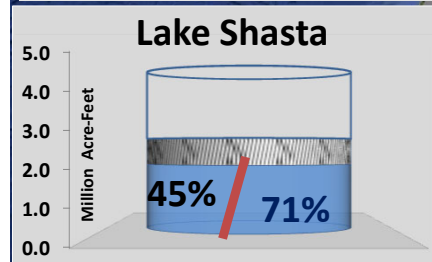
	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
AO (AF)	244,057	256,239	258,445	261,464	261,645	248,909	249,051	231,354	231,354	216,098	196,677	198,754
AO w/CUP removed (AF)	244,057	256,239	258,446	261,464	261,645	248,909	249,051	231,354	231,354	216,098	196,677	198,754
	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
AO (AF)	187,392	216,548	229,124	240,414	245,441							
AO w/CUP removed (AF)	187,392	216,548	229,124	240,414	245,441							

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



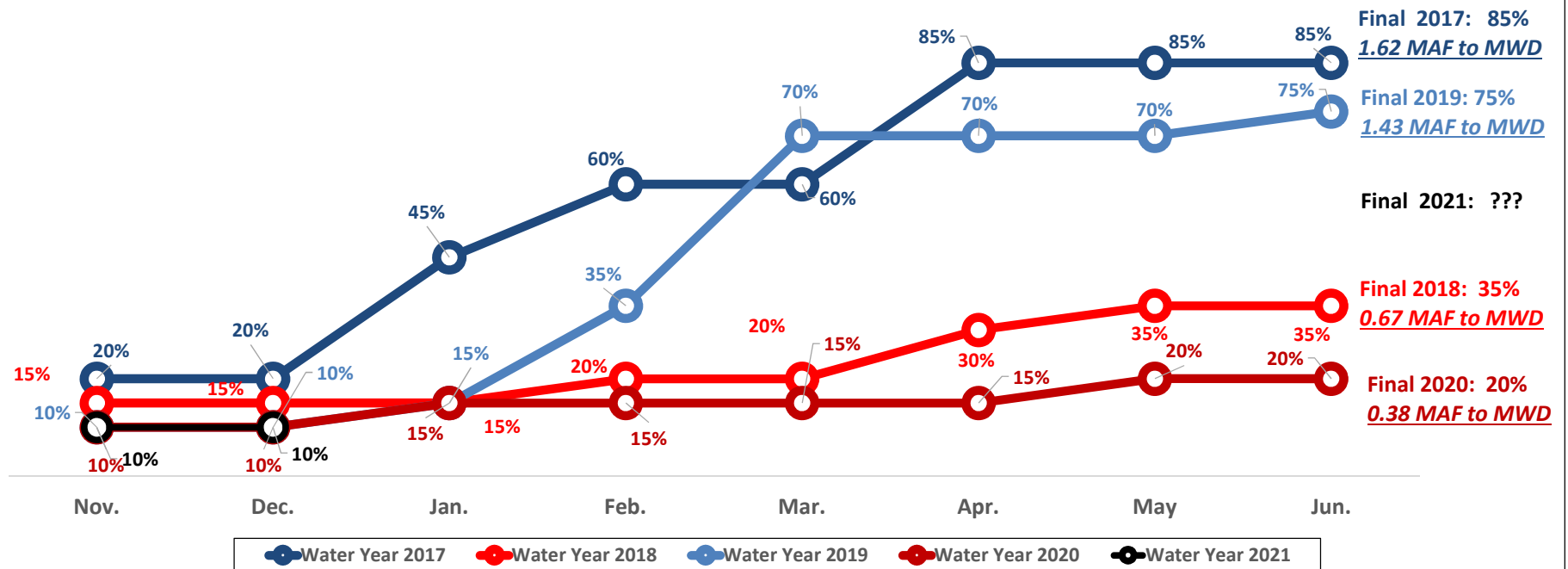
State Water Project, Colorado River, and MWD Reservoir Storage

as of January 3, 2021

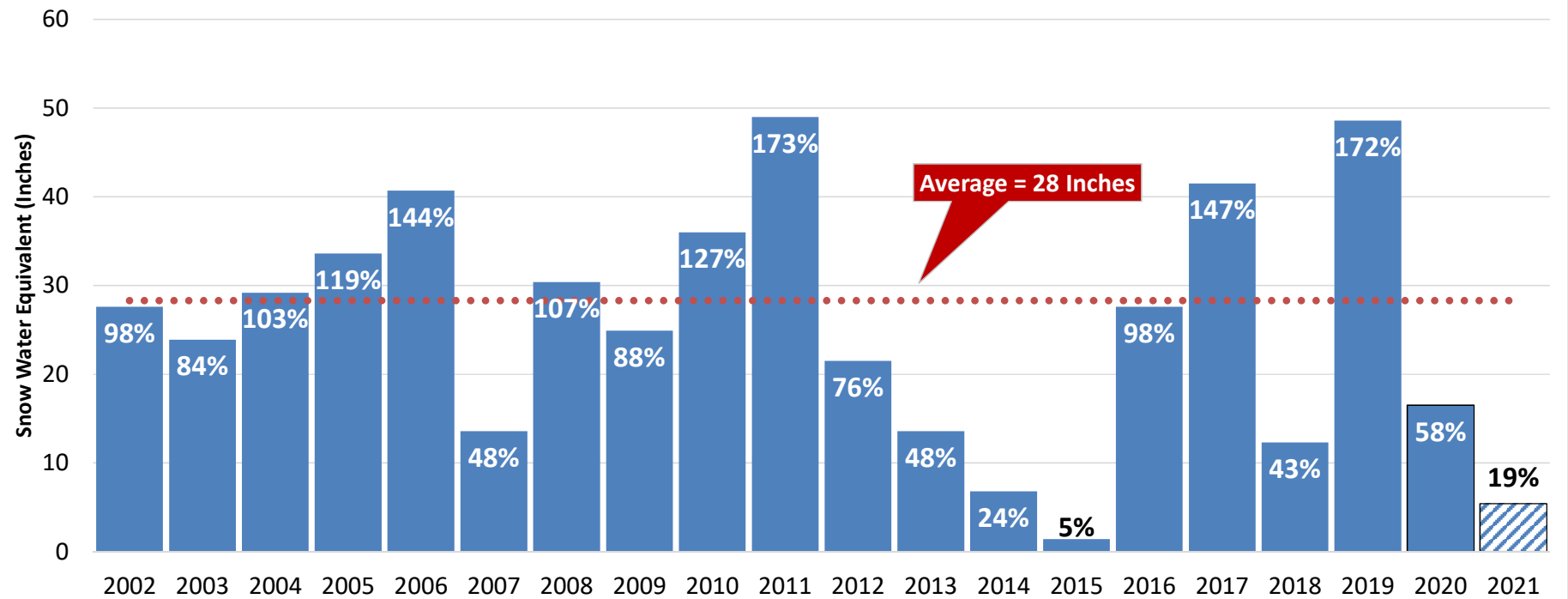


SWP TABLE A ALLOCATION

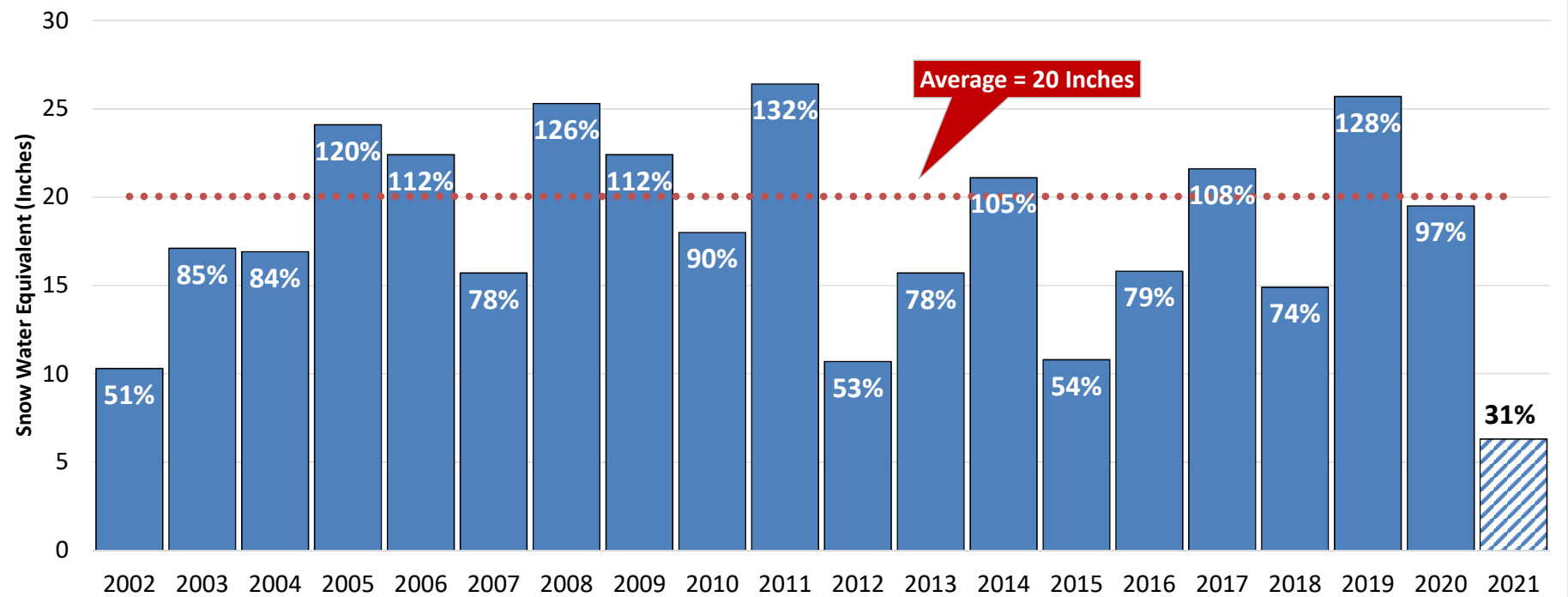
FOR STATE WATER PROJECT CONTRACTORS



Historical Northern California April 1st Peak Snow Water Equivalent

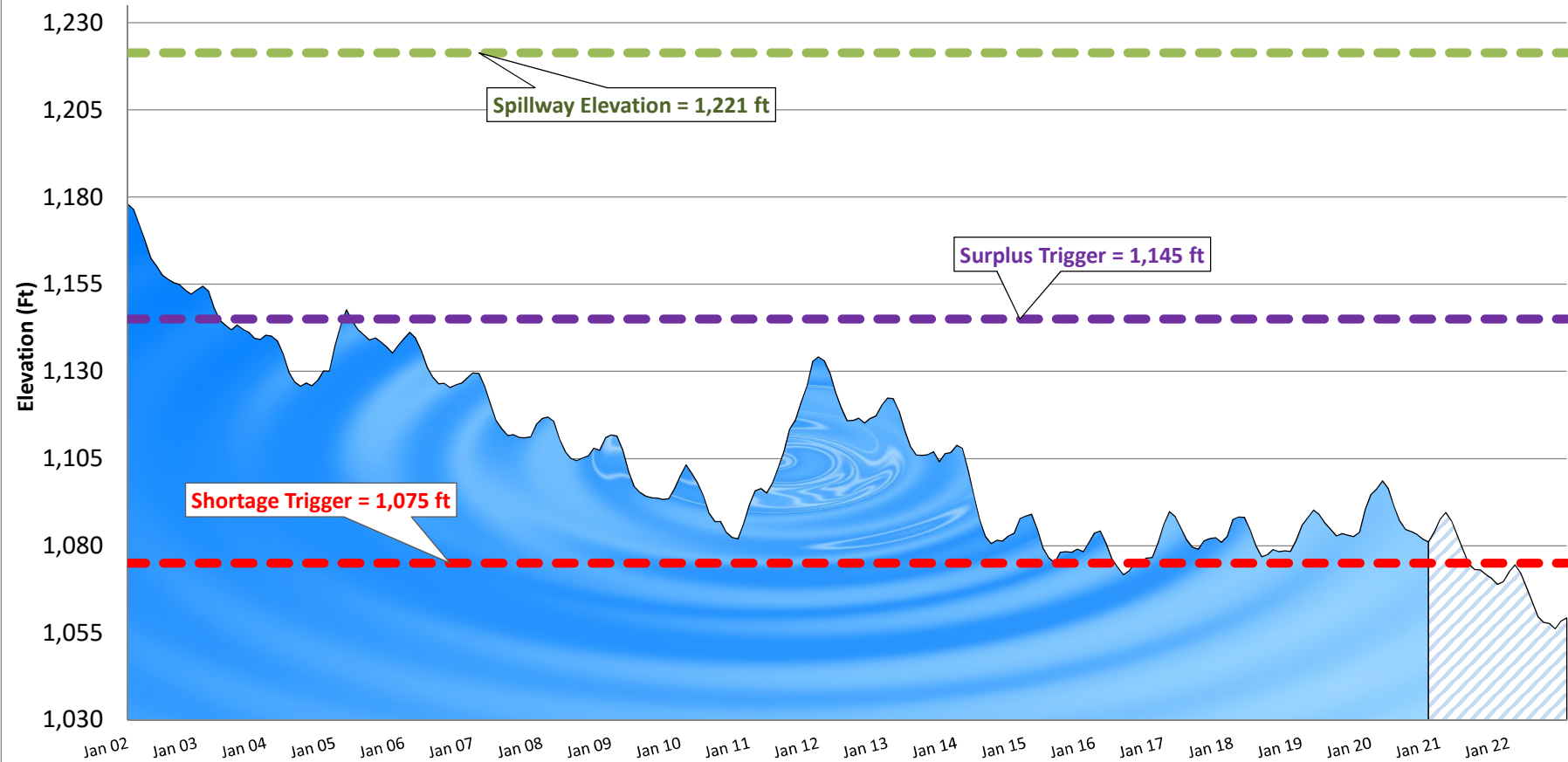


Historical Colorado Basin April 15th Peak Snow Water Equivalent



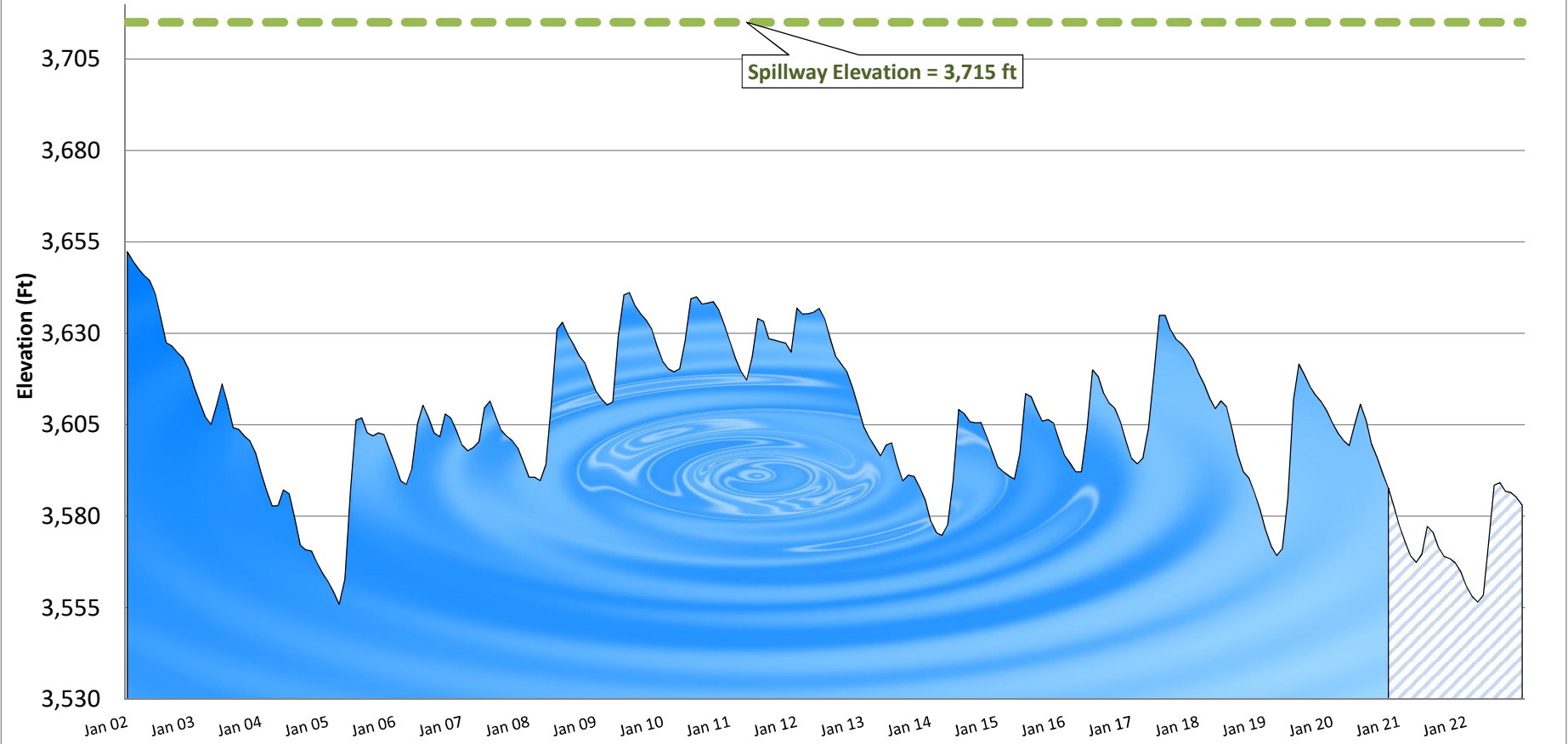
Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected

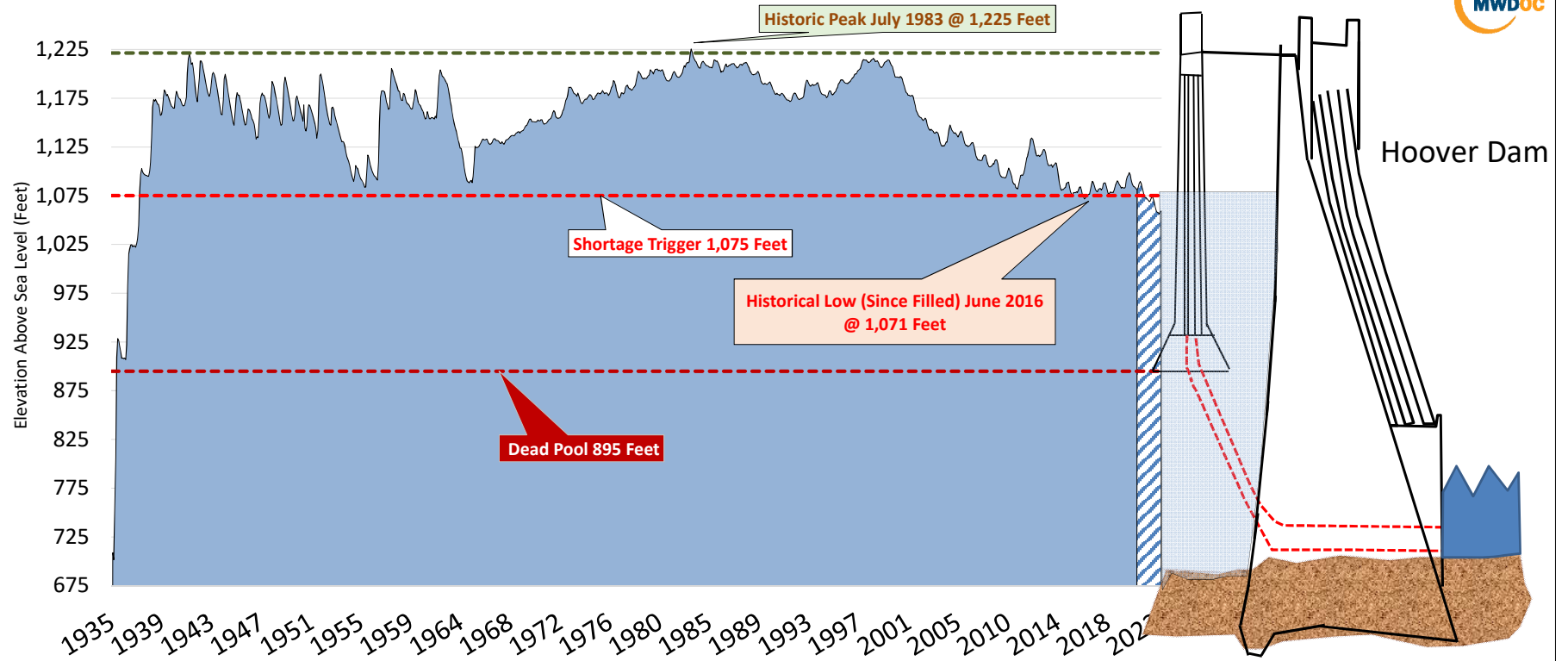


Lake Powell Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected



Lake Mead Historical Water Elevation Level



WILL SERVE REQUEST STATUS REPORT

(December 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	Expired	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
6/1/20	Milestones Academy	Fire Service for expanded daycare	ND	23184 El Toro Frontage rd	Issued	10/1/20
6/11/20	National Community Renaissance	Mountain View Housing, 71 units	ND	24551 El Toro Rd	Pending	n/a
8/7/20	City of Laguna Woods	City Hall Public Library	TI	24264 El Toro Rd	Issued	9/23/20
8/13/20	Buchheim Properties III	Handels Ice Cream	TI	23615 El Toro Rd, Ste. Y2	Issued	9/1/20
8/27/20	Buchheim Properties III	Fuddruckers Redevelopment	TI	23621 El Toro Rd	Issued	9/22/20

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												
March			NO SPILLS												
April			NO SPILLS												
May			NO SPILLS												
June 20,2020	Private	Recycled Water	23300 Santa Vittoria Laguna Hills	Irrigation Leak	ETWD Staff found leak and isolated the meter	N/A	N/A	Notified customer of repairs needed. Swept sidewalk and cleaned area. Left two cones on wet sidewalk.	8	Storm Drain				1500	No notifications, spill was less than 50,000 gallons of Recycled Water
July			NO SPILLS												
August			NO SPILLS												
September	Private	Sewer	661 Via Los Altos Laguna Woods	Root Intrusion	ETWD Staff deployed sandbags in gutter to stop flow of sewage towards storm drain vector began sucking up the spill	N/A	N/A	PCM put lids back on clean out and will investigate and jet line in morning EWTD removed small puddles in gutter	9	Storm Drain			603	763	Staff on scene called OES, OC Environmental Health, Region 9 and Laguna Woods Village
October			NO SPILLS												
November			NO SPILLS												
December 18. 2020	Public	Sewer	23281 Laurel Wood Lake Forest	Grease and a Water Bottle in Siphon	Staff broke grease blockage lose on Jeronimo use vector then to clean up spill on Laurel Wood. City of Lake Forest placed sandbags down to direct flow		6/21/2016	Washed down street, removed sand bags, cleaned area	9	Street and Storm Drain	1500	200			Staff on scene called OES, OC Environmental Health, Region 9, and the City of Lake Forest was already on Scene
LEGEND											1,500	200	608	2,268	
S.DC = San Diego Creek		RES. = Residential	R.S. = Rocks												
S.D. = Storm Drain		C. = Commercial	C.W.D. = Calcium Water Deposits												
A.C. = Aliso Creek		S.B. = Siphon	B.P. = Broken Pipe												
G.B. = Grease Blockage		P.F. = Power Failure	U.W. = Untreated Water												



To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: December 29th, 2020
Re: Monthly Report

Legislative Report

This report is the regular monthly report previously submitted on December 15th. The only new item of information since then is the appointment of Secretary of State Alex Padilla to fill the U.S. Senate seat being vacated by Kamala Harris, and the appointment of Assembly Member Shirley Weber (D-San Diego) as Secretary of State. In addition, the projected date for the Legislature to reconvene was January 4th but the official start date is now January 11th.

The Legislature met on December 7th for one day to start the 2021/2022 biennial session and to swear in new members. They also introduced a larger than average number of bills for the first day. (See the Bill Matrix.) The Legislature meets again to start regular business on January 4th. The Senate and the Assembly announced committee assignments but there were no significant changes to the policy committees related to water. Newly sworn in Senators John Laird, who replaced Bill Monning, and Susan Eggman, who replaced Kathleen Galgiani, will join the Senate Natural Resources and Water Committee, which is good news to BB&K. One note of intrigue related to water is the removal of Assembly Member Adam Gray as Chair of the Governmental Organization Committee for voting against Trailer Bill language that impacted the negotiations with the federal government over the Voluntary Agreements on the San Joaquin River.

The most significant bill introduced so far is SB 45 (Portantino) which would enact the Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2022. One of the approved uses of the fund is to “improve the resilience of a community’s water supply or provide safe drinking water or clean water benefits in light of California’s changing climate.” The bond would authorize \$5.5 billion, of which \$1.47 billion would be available for various types of water projects. BB&K will provide further analysis and comment at the PAL Committee meeting.

Administrative Report



The SB 200 process to address noncompliant water districts continues to make progress. ACWA has scheduled regular workgroup meetings and mentioned that it is the most active workgroup this year. MWDOC got involved to oppose the water tax and to ensure the funds were spent effectively and take into account past investments that were ongoing. Those goals have been achieved for the moment but part of the process concerns how SWRCB will estimate the cost of bringing a water district into compliance. If those estimates are exaggerated it might be used to argue for a water tax in the future, but there is no way to know since SWRCB has not provided any specifics. ACWA is preparing a draft letter as this report is being written that will ask that the draft cost estimates be shared soon, and to compare the estimates with the costs of current projects. The letter is due by December 21st. Following that the working group will draft a comment letter on the risk assessment process, which is due January 6th.

On January 10th Governor Newsom will present his budget to the Legislature. The nonpartisan Legislative Analyst's Office (LAO) recently published a report that shows the economy recovering faster than expected, and the budget deficit being significantly smaller than projected. The LAO estimated the budget deficit to be approximately \$30 billion last summer, which was far below the administration's estimate of \$54 billion. It appears the operating deficit going into next year may be as low as \$17 billion. But the report was not all good news: the recovery and lower deficits appear to be due to higher-income earners being spared most of the impacts of the shutdown, while unemployment among low-wage earners remains high. The report can be read here: <https://lao.ca.gov/Publications/Report/4297>

MWDOC Workshop

Item No. 1c

Board Meeting

Prepared by Syrus Devers, January 6, 2021

A. Priority Support/Oppose

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
SB 45	Portantino D	Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2022.	12/8/2020-From printer. May be acted upon on or after January 7.	Would enact the Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2022, 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	

B. Watch

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 11	Ward D	Climate change: regional climate change coordinating groups.	12/8/2020-From printer. May be heard in committee January 7.	Would require the Strategic Growth Council, by January ____, 2023, to establish up to 12 regional climate change coordinating groups to develop and work on climate adaptation for their communities. The bill would authorize the regional climate change coordinating groups to engage in certain activities to address climate change.	Watch	B. Watch	
AB 50	Boerner Horvath D	Climate change: Climate Adaptation Center and Regional Support Network: sea level rise.	12/8/2020-From printer. May be heard in committee January 7.	Current law requires the Natural Resources Agency, in collaboration with the Ocean Protection Council, to create, and update biannually, a Planning for Sea Level Rise Database describing steps being taken throughout the state to prepare for, and adapt to, sea level rise. This bill would establish the Climate Adaptation Center and Regional Support Network in the Ocean Protection Council to provide local governments facing sea level rise challenges with information and scientific expertise necessary to proceed with sea level rise mitigation.	Watch	B. Watch	
AB 51	Quirk D	Climate change: adaptation: regional climate adaptation planning groups: regional climate	12/8/2020-From printer. May be heard in committee	Would require the Strategic Growth Council, by July 1, 2022, to establish guidelines for the formation of regional climate adaptation planning groups. The bill would require the council, by July 1, 2023, and in	Watch	B. Watch	

		adaptation plans.	January 7.	consultation with certain state entities, to develop criteria for the development of regional climate adaptation plans.			
SB 1	Atkins D	Coastal resources: sea level rise.	12/8/2020-From printer. May be acted upon on or after January 7.	Thee California Coastal Act of 1976 establishes the California Coastal Commission and provides for planning and regulation of development in the coastal zone, as defined. The act requires the commission, within 90 days after January 1, 1977, to adopt, after public hearing, procedures for the preparation, submission, approval, appeal, certification, and amendment of a local coastal program, including a common methodology for the preparation of, and the determination of the scope of, the local coastal programs, as provided. This bill would also include, as part of the procedures the commission is required to adopt, recommendations and guidelines for the identification, assessment, minimization, and mitigation of sea level rise within each local coastal program, as provided. The bill would delete the timeframe specified above by which the commission is required to adopt these procedures.	Watch	B. Watch	

Total Measures: 5

Total Tracking Forms: 5

ETWD Public Education and Outreach Report

January 28, 2021

Bill Message

Customer January/February bill message:

ETWD would like to invite you to their quarterly Community Advisory Group meetings. Currently they being conducted virtually through the Zoom platform. If you would like to sign up to receive email notifications of the meetings, **please visit www.ETWD.com and click on the yellow button under Community Advisory Group stating “Sign Up Here”**. We look forward to seeing you at a future meeting.

Laguna Woods Village Television

President Gaskins participated in a Zoom interview with Lisa Hart on January 11th for Laguna Woods Television. President Gaskins presentation on ETWD Wastewater Maintenance can be viewed by clicking on the following link: <https://etwd.com/lwv-channel-6-presentations/>. Vice President Freshley will be participating in the February Zoom interview .

Third Mutual Water Conservation Sub-Committee

Director Havens provided information and input at the Third Mutual Water Conservation Sub-Committee meeting on January 20th. The committee is eager to collaborate with ETWD on promoting water conservation on Laguna Woods Village Television. ETWD staff will assist committee members in getting the conservation message out.

Community Advisory Group Meetings

Currently, ETWD mails letters to CAG invitees with a Zoom link listed on letter. The invitee would have to enter the complete link on their device to connect to the meeting. To streamline the process and make it more efficient for staff and our customers, ETWD will institute a new registration process to receive CAG invites by email. ETWD will mail a letter to all the current invitees advising them of this new registration process. This process will ask customers to visit the ETWD.com website and click on a link to register for CAG. This will be a one-time process. ETWD will then be able to send out CAG invitations by email through the Constant Contact platform. The invitee will then be able to just click on the Zoom link to connect to the meeting from the email invitation. Staff will also utilize social media, bill messages and the website to ask customers to sign up to receive CAG notifications.

**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
January 28, 2021**

REBATE PROGRAMS

The SoCal WaterSmart regional rebate program is available to ETWD customers provided by the Metropolitan Water District of Southern California, the Metropolitan Water District of Orange County and ETWD.

The following tables reflect the current device rebates ETWD customers can apply for from August 1, 2020 through June 30, 2022.

Select device purchases are eligible for rebates while meeting eligibility requirements and subject to funding availability. Rebate information can be found at www.etwd.com/conservation/rebates.

1) Residential Rebate Program:

Device	MET Rebate	MWDOC Grant	ETWD Rebate	Total Rebate (up to)
High Efficiency Clothes Washer	\$85		\$115	\$200
Premium High Efficiency Toilet	\$40		\$60	\$100
Rotating Sprinkler Nozzles (min 30 per home)	\$2 ea		\$1	\$3
Smart Irrigation Timer	\$80	\$100	\$75	\$255
Turf Removal Program (up to 5,000 sq ft)*	\$2 sq. ft.		\$1 sq. ft.	\$3 sq. ft.
Soil Moisture Sensor System <1 Acre >1 Acre	\$80 \$35/station	\$100	\$75	\$255 \$35/station
Hose Bib Irrigation Controller	\$35			\$35
Rain Barrels Cisterns (200 -500 gallon) (501-999 gallon) (1,000 gallon or more)	\$35 \$250 \$300 \$350		\$15	\$50 \$250 \$300 \$350
Spray to Drip Irrigation (up to 5,000 sf of converted area per fiscal year)		\$0.25 sq. ft.		\$0.25 sq. ft.

*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	\$40			\$40
Multi-family Premium High Efficiency Toilet	\$40			\$40
Zero Water/Ultra Low Water Urinal	\$200			\$200
Plumbing Flow Control Valve (min. 10)	\$5			\$5
Smart Irrigation Timer/Central Computer Irrigation Controller/Soil Moisture Sensor System/Hose Bib Irrigation Controller	\$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)*	\$2 sq. ft*			\$2 sq. ft.*
Spray to Drip Irrigation (up to 45,000 sq. ft)		\$0.20 sq. ft.		\$0.20 sq. ft.

*Designated recycled water sites are not eligible for turf removal rebates. Synthetic turf is not eligible for the turf removal rebate. Additional commercial rebates available online at ocwatersmart.com. MWDOC Grant funding based on availability.

WATER USE EFFICIENCY PLAN UPDATE (Water Conservation Plan)

The District Water Budget-Based Tiered Conservation Rate Structure (WBBTCRS) pricing structure is the primary plan that gives customers the incentive needed to be efficient. The Plan efforts initially will concentrate on those customers continually in the Inefficient and Excessive Tiers (Tiers 3 and 4). [As of December 2020 year-to-date sales, residential accounted for 66% of the overall Tier 3 usage and dedicated irrigation accounted for 60% of Tier 4 usage.](#)

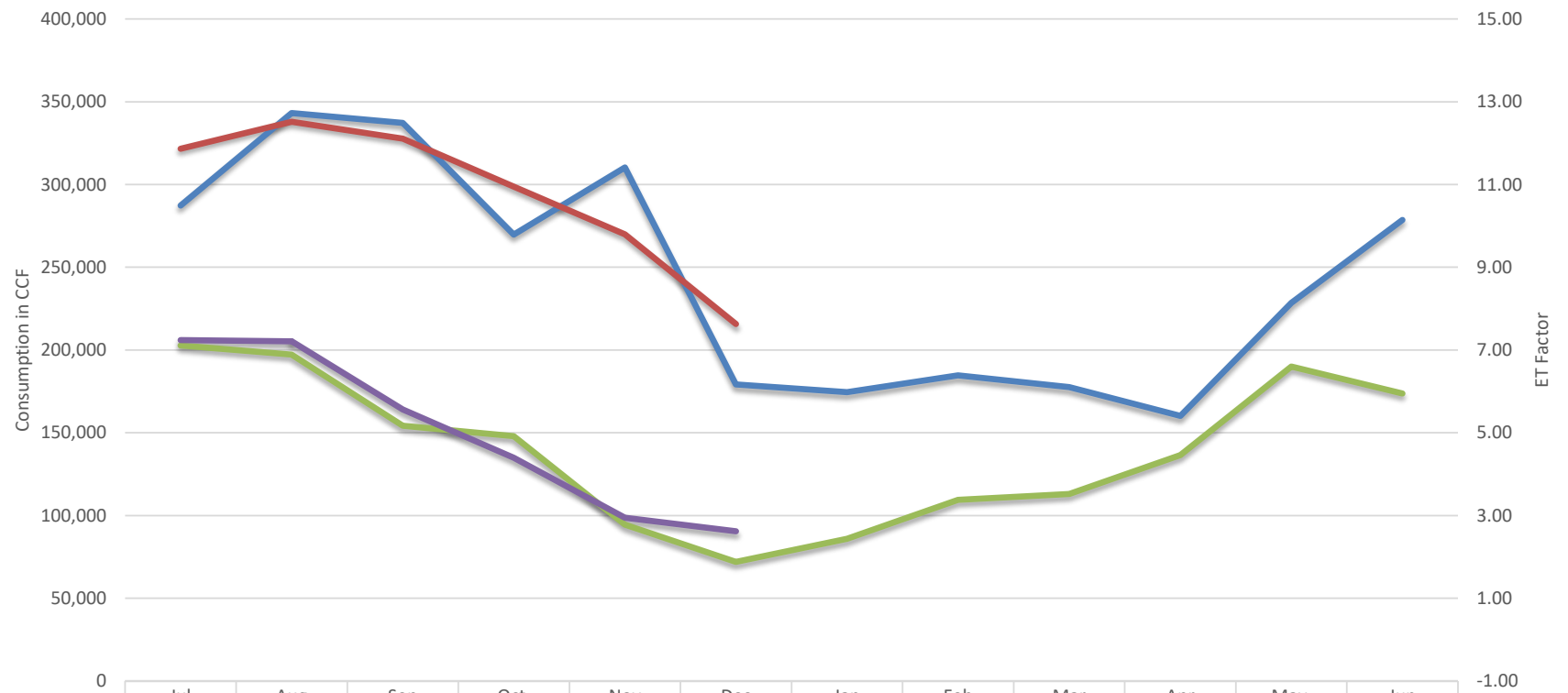
TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

Included in this month's Conservation Report is a chart comparing the current fiscal year 2020/21 consumption and ET factor to the fiscal 2019/20 consumption and ET factor. The ET factor increased 28.25% from December 2019 when compared to December 2020. There was a 20% increase in consumption reflected in December 2020.

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

These reports are not included this month due to MWDOC's Water Use Efficiency Program Savings Reports not being available at this time.

Total Consumption Comparison



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 2019-2020	287,207	343,163	337,247	269,666	310,344	179,155	174,596	184,609	177,526	160,199	228,443	278,527
FY 2020-2021	321,599	337,881	327,731	298,688	269,822	215,708						
FY 19/20 ET	7.11	6.89	5.17	4.92	2.78	1.88	2.44	3.38	3.52	4.46	6.60	5.95
FY 20/21 ET	7.24	7.21	5.56	4.40	2.95	2.62						
%	112%	98%	97%	111%	87%	120%						

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

ENGINEERING COMMITTEE
TELECONFERENCE MEETING**

**TELECONFERENCE PHONE NUMBER: (213) 279-1455
TELECONFERENCE ID: 623 564 296**

January 14, 2021

8:30 a.m.

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was called to be held by Teleconference on **January 14, 2021 at 8:30 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED WITH THE AGENDA THE WEB-SITE WWW.SOCWA.COM. ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ENGINEERING COMMITTEE IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE ENGINEERING COMMITTEE ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE ENGINEERING COMMITTEE LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

AGENDA

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

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

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

3. Approval of Minutes

- a. Engineering Committee Meeting of November 12, 2020
- b. Engineering Committee Meeting of December 10, 2020

Recommended Action:

Staff recommends the Engineering Committee to approve Minutes as submitted.

4. Operations Report

Recommended Action:

Information Item

5. Capital Improvement Construction Projects Report

Recommended Action: Staff recommends that the Engineering Committee recommend the following:

- a. PC-2 Board to approve Change Order 16 totaling \$42,780;
- b. PC-15 Board to approve Change Order 14 for a credit of \$8,803; and
- c. PC-17 Board to approve Change 15 thru 20 totaling \$111,838.

**6. Coastal Treatment Plant Facility Improvements Construction Update
[Project Committee 15]**

Recommended Action: Information Item

7. Coastal Treatment Plant (CTP) Sludge Force Main Replacement Project Construction Management Proposal Review [Project Committee 15]

Recommended Action: Staff recommends that the Engineering Committee recommend to the PC-15 Board to award the time and materials contract to Butier Engineers in the amount of \$226,100 for the construction management services during construction for the CTP Sludge Force Main Project.

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 8th day of January 2021.



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: 766 868 135**

**January 19, 2021
10:30 a.m.**

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee was called by the Chairman to be held by Teleconference on **January 19, 2021**, located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

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

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

AGENDA

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

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

January 19, 2021

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

3. Approval of Minutes

- a. Finance Committee Meeting of November 3, 2020
- b. Finance Committee Meeting of December 8, 2020

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

4. Financial Reports for the Month of October 2020

The reports included are as follows:

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

Recommended Action: Staff recommends the Finance Committee recommend to the Board of Directors to ratify the October 2020 disbursements for the period from October 1, 2020, through October 31, 2020, totaling \$5,649,871, and to receive and file the October 2020 Financial Reports as submitted.

5. Financial Reports for the Month of November 2020

The reports included are as follows:

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

Recommended Action: Staff recommends the Finance Committee recommend to the Board of Directors to ratify the November 2020 disbursements for the period from November 1, 2020, through November 30, 2020, totaling \$2,122,606, and to receive and file the November 2020 Financial Reports as submitted.

6. Financial Reports for the Month of December 2020

The reports included are as follows:

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

Recommended Action: Staff recommends the Finance Committee recommend to the Board of Directors to ratify the December 2020 disbursements for the period from December 1, 2020, through December 31, 2020, totaling \$3,915,268, and to receive and file the December 2020 Financial Reports as submitted.

7. Q2 FY 2020-21 Cash Roll Forward as of December 31, 2020

Cash Roll Forward balances are attached:

- Cash Roll Forward Notes
- Large Capital Cash Reconciliation to General Ledger (GL)
- Large Capital Cash Roll Forward Balance by Project Committee and Project
- Non-Capital Cash Roll Forward Balance by Project Committee and Project
- Non-Capital – Miscellaneous Cash Roll Forward Balance by Project Committee and Project
- Small Capital Cash Roll Forward balance by Project Committee and Project

Recommended Action: Staff recommends the Finance Committee recommend to the Board to receive and file the Q2 Fiscal Year 2020-21 Cash Roll Forward as submitted.

8. Fiscal Year 2019-20 Use Audit and Additional Cash Payout

Recommended Action: Staff recommends the Finance Committee to recommend to the Board of Directors to approve payment of the Use Audit and Additional Cash from other sources to the Member Agencies as distributed in the Supplemental Financial Statements, Statement of Net Position.

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 12th day of January 2021.



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
January 4, 2021, 8:30 a.m.

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

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

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

P&O Committee:

Director McVicker, Chair
Director Dick
Director Yoo Schneider

Staff: R. Hunter, J. Berg, V. Osborn,
H. De La Torre, T. Dubuque

Ex Officio Member: Director Tamaribuchi

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

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

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

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

PRESENTATIONS

1. FY 2020-21 REVIEW OF DEPARTMENT EXISTING AND FUTURE PRIORITIES AND GOALS
 - a. Water Use Efficiency Department
 - b. Metropolitan Issues and Water Policy

- c. Reliability Planning & Engineering
- d. WEROC

DISCUSSION ITEMS

- 2. UPDATE ON COVID-19 (ORAL REPORT)
- 3. CONSIDERATION OF SANTA ANA RIVER CONJUNCTIVE USE AND CONSERVATION PROGRAM (SARCCUP) AGREEMENT (ORAL REPORT)

ACTION ITEM

- 4. ISDOC 3RD VICE PRESIDENT CALL FOR NOMINATIONS

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. WEROC COORDINATOR POSITION
- 6. LOCAL LEGISLATIVE ACTIVITIES
 - a. County Legislative Report (Lewis)
 - b. Legal and Regulatory Report (Ackerman)
- 7. APPROVAL OF AMP CAPACITY FLOW EXCEEDANCE REQUEST – SOUTH COAST WD & THE CITY OF SAN CLEMENTE
- 8. APPROVAL OF AMP CAPACITY FLOW EXCEEDANCE REQUEST –CITY OF SAN JUAN CAPISTRANO
- 9. OC-70 STATUS UPDATE
- 10. UPDATE/STATUS OF MWDOC BUILDING CONSTRUCTION
- 11. SCHOOL PROGRAM UPDATE
- 12. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects
 - d. Public and Government Affairs
- 13. REVIEW OF ISSUES RELATED TO PLANNING OR ENGINEERING PROJECTS, WEROC, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, PUBLIC AFFAIRS PROGRAMS AND EVENTS, PUBLIC INFORMATION PROJECTS, PUBLIC INFORMATION CONSULTANTS,

DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

ADJOURNMENT

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

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

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Fountain Valley, California
January 6, 2021, 8:30 a.m.

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

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

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

AGENDA

ROLL CALL

PUBLIC PARTICIPATION/COMMENTS

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

NEXT RESOLUTION NO. 2105

ACKNOWLEDGEMENT OF MWDOC/MET DIRECTOR LARRY MCKENNEY

1. LEGISLATIVE ACTIVITIES

- a. Federal Legislative Report (NRR)
- b. State Legislative Report (BBK)
- c. MWDOC Legislative Matrix

PRESENTATION/DISCUSSION ITEMS

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

Recommendation: Receive input and discuss the information.

3. METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA STAFF UPDATE BY DEVEN UPADHYAY REGARDING THE SOUTHERN NEVADA WATER AUTHORITY PARTNERSHIP, DELTA CONVEYANCE ACTIVITIES, 2020 INTEGRATED RESOURCES PLAN STATUS, AND UPCOMING ISSUES FOR 2021

Recommendation: Review and discuss the information presented.

INFORMATION ITEMS

4. 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 Finance and Rate Issues
- b. MET's General Manager Recruitment Process
- c. MET's Water Supply Conditions
- d. Colorado River Issues
- e. Delta Conveyance Activities and State Water Project Issues

Recommendation: Review and discuss the information presented.

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

- a. Summary regarding November and December MET Board Meetings
- b. Review items of significance for MET Board and Committee Agendas

Recommendation: Review and discuss the information presented.

ADJOURNMENT

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

SPECIAL MEETING OF THE
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
January 8, 2021 9:00 a.m.

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

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

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

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

AGENDA

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 that all members of the public who want to address the Board complete a "Request to be Heard" form available from the Board Secretary prior to the meeting.

CLOSED SESSION

1. PUBLIC EMPLOYEE PERFORMANCE EVALUATION

Title: General Manager

Government Code Section 54957

Recommendation: Meet in closed session to conduct the performance evaluation of the General Manager.

2. ANNOUNCEMENTS FROM CLOSED SESSION

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.

MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
January 13, 2021, 8:30 a.m.

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

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

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

A&F Committee:

Director Thomas, Chair
Director Dick
Vacant

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

Ex Officio Member: Director Tamaribuchi

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

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

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

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

PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – December 2020
 - b. Disbursement Approval Report for the month of January 2021
 - c. Disbursement Ratification Report for the month of December 2020

- d. GM Approved Disbursement Report for the month of December 2020
 - e. Consolidated Summary of Cash and Investment – November 2020
 - f. OPEB and Pension Trust Fund monthly statement
2. FINANCIAL REPORT - Combined Financial Statements and Budget Comparative for the Period ending November 30, 2020

ACTION ITEM

3. APPROVE CHANGE ORDER WITH RAFTELIS REGARDING RATE STUDY

DISCUSSION ITEM

4. DISCUSSION RE PROCESS FOR APPOINTING MWDOC MET DIRECTOR
5. FY 2020-21 REVIEW OF DEPARTMENT EXISTING AND FUTURE PRIORITIES AND GOALS
- a. Public Affairs Department
 - b. Government Affairs Department
 - c. Human Resources and Administration Department
 - d. Finance and IT Department
6. FISCAL YEAR (FY) 2020-21 BUDGET YEAR-END PROJECTIONS & CONCEPTUAL FY 2021-22 BUDGET REVIEW

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

7. 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

NOTE: At the discretion of the Committee, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated, and may be subject to action by the Committee. On those items designated for Board action, the Committee reviews the items and makes a recommendation for final action to the full Board of Directors; final action will be taken by the Board of Directors. Agendas for Committee and Board meetings may be obtained from the

District Secretary. Members of the public are advised that the Board consideration process includes consideration of each agenda item by one or more Committees indicated on the Board Action Sheet. Attendance at Committee meetings and the Board meeting considering an item consequently is advised.

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

**Municipal Water District of Orange County
2021 Rate Study
Member Agency Kickoff Meeting**

Date: Thursday, January 14, 2021
Time: 2:00 to 4:00 pm
Zoom Meeting ID: 931 3322 9163
Call-in Number: (669) 900-9128

AGENDA

Introduction Rob Hunter, MWDOC

Meeting Presentation Raftelis Financial Consultants

- 1) Meeting Process Orientation**
- 2) MWDOC Services & Charges**
- 3) Recap of 2016 Rate Study**
- 4) 2021 Rate Study Process / Meetings**
- 5) Discussion**
- 6) Other**

Next Meeting Date Thursday, January 21, 2021

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Fountain Valley, California
January 20, 2021, 8:30 a.m.

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

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

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

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

AGENDA

MOMENT OF SILENCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

ACKNOWLEDGEMENT OF MARY SNOW

NEXT RESOLUTION NO. 2105**CONSENT CALENDAR (Items 1 to 6)**

(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. December 2, 2020 Workshop Board Meeting (Cancelled)
- b. December 16, 2020 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: December 14, 2020
- b. Administration & Finance Committee Meeting: December 9, 2020
- c. Public Affairs & Legislation Committee Meeting: December 21, 2020
- d. Executive Committee Meeting: December 17, 2020

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

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

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of November 30, 2020
- d. PARS Monthly Statement (OPEB Trust)

Recommendation: Receive and file as presented.

4. FINANCIAL REPORT

- a. Combined Financial Statements and Budget Comparative for the Period ending November 30, 2020

Recommendation: Receive and file as presented.

5. APPROVE CHANGE ORDER WITH RAFTELIS REGARDING RATE STUDY

Recommendation: Authorize the General Manager to approve a change order for a \$15,365 increase with Raftelis Financial Consultants, Inc. for Rate Study services not-to-exceed \$82,770.

6. PROCESS FOR APPOINTING MWDOC MET DIRECTOR

Recommendation: Begin process to fill the MWDOC MET Director vacancy utilizing the current Administrative Code process.

End Consent Calendar

ACTION CALENDAR**7-1 STANDING COMMITTEE AND AD HOC COMMITTEE APPOINTMENTS FOR 2021; SCHEDULE OF COMMITTEE MEETING DATES FOR 2021**

Recommendation: (1) Ratify the list of Standing Committee and Ad Hoc Committee Appointments as presented by the President of the Board; and (2) ratify Committee meeting dates/times for 2021.

7-2 ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2021 RES. NO. ____

Recommendation: (1) Ratify the appointment of Representatives and Alternates to Associations as presented by the President of the Board; and (2) Adopt Resolution approving the appointment of one Representative and one Alternate to the Santiago Aqueduct Commission (SAC), for submission to SAC.

7-3 ISDOC 3rd VICE PRESIDENT CALL FOR NOMINATIONS RES. NO. ____

Recommendation: Adopt Resolution nominating Director Bob McVicker as ISDOC 3rd Vice President for the 2021-2022 unexpired term.

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

8. GENERAL MANAGER'S REPORT, JANUARY 2021 (ORAL AND WRITTEN)

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

9. 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.

AGENDA
JOINT PLANNING COMMITTEE
WITH BOARD OF DIRECTORS*
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AND
ORANGE COUNTY WATER DISTRICT
January 27, 2021, 8:30 A.M.

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

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

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

Telephone Audio: (669) 900 9128 fees may apply
(877) 853 5247 Toll-free

Webinar ID: 882 866 5300#

- * The meeting of the Joint Planning Committee will be conducted simultaneously with meetings of both Boards of Directors in order to allow all Board members to participate in the discussions and to ensure compliance with the Brown Act. Directors receive no additional compensation or stipend as a result of simultaneously convening this Board of Directors meetings. Items recommended for approval at this meeting will be placed on a future Board Agenda for approval by one or both agencies, as determined by the Committee.

PUBLIC COMMENTS - At this time, members of the public will be given an opportunity to address the Committee and the Boards concerning items within the subject matter jurisdiction of either Board. Members of the public may also address the Committee about a particular Agenda item at the time it is considered and before action is taken. The Committee requests, but does not require, that members of the public who want to address the Committee or the Boards 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 there is a need to take immediate action on item(s) and that the need for action came to the attention of the Districts subsequent to the posting of the Agenda. (Requires a two-thirds vote of those present, or a unanimous vote if less than two-thirds are present.)

ITEMS DISTRIBUTED TO THE COMMITTEE 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 Committee less than seventy-two (72) hours prior to the meeting will be available for public inspection in the lobby of the Districts' 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 each of the District's Internet Web site, accessible at www.ocwd.com or www.mwdoc.com.

1. Campus Improvements by MWDOC and OCWD
2. Imported Water Supply Update
3. Status of OCWD Groundwater Basin
4. PFAS update
5. OCWD Issues
 - a. Review of 1986 OCWD & MWDOC Resolution
 - b. Building Management Committee
 - c. OCWD December 29, 2020 letter
6. SARCCUP Update
7. Moulton Niguel Water District pilot storage program studies update
8. SARWQCB/Poseidon Update
9. Next Committee Meeting: April 28, 2021
 - Upcoming Agenda Items

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 Janice Durant, OCWD District Secretary at 714/378-3233, or Maribeth Goldsby, MWDOC Board Secretary, at (714) 963-3058, or writing to Orange County Water District at P.O. Box 8300, Fountain Valley, CA, 92728, or Municipal Water District of Orange County at P.O. Box 20895, Fountain Valley, CA 92728. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

LOCAL AGENCY FORMATION COMMISSION ORANGE COUNTY

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

REGULAR MEETING AGENDA

Wednesday, January 13, 2021
8:15 a.m.

IMPORTANT NOTICE REGARDING THE JANUARY 13, 2021 REGULAR COMMISSION MEETING

Due to COVID-19, this meeting will be conducted as a teleconference pursuant to the provisions of the Governor's Executive Orders N-25-20 and N-29-20, which suspend certain requirements of the Ralph M. Brown Act. Members of the public may not attend this meeting in person.

Participation by Commissioners and staff will be from remote locations. Public access and participation will only be available telephonically and electronically.

To virtually attend the meeting and to be able to view any presentations or additional materials provided at the meeting, please join online via Zoom using the link and information below:

<https://us02web.zoom.us/j/88195061556>

You can also dial in using your phone

1 (669) 900-9128

Webinar ID: 881 9506 1556

Submission of Public Comments: For those wishing to submit public comments at the January 13, 2021 Regular Commission meeting, comments on agendized or non-agendized items must be submitted by email to the Commission Clerk at ccarter-benjamin@oclafco.org and shall be subject to the same rules as would otherwise govern speaker comments made electronically or in person at any regular Commission meeting. Public comments must be received prior to the commencement of the Commission meeting in order to be accepted. Public comments submitted in accordance with these guidelines shall become part of the record of the regular Commission meeting. Public comments received after the commencement of the meeting or via text or social media (Facebook, Twitter, etc.) will not be accepted.

Reading of Public Comments: The Commission Clerk shall read all comments received prior to the commencement of the Commission meeting, provided that the reading shall not exceed three (3) minutes. The Chair, at his discretion, may reduce the time allowance if warranted by the volume of public comments received.

1. CALL THE MEETING TO ORDER

2. ROLL CALL

**3. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATIONS
(Communications Received After Agenda Distribution for Agendized Items)**

4. 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.

5. CONSENT CALENDAR

a.) December 9, 2020 – Regular Commission Meeting Minutes

The Commission will consider approval of the December 9, 2020 meeting minutes.

b.) Appointment Processes for OC LAFCO Expiring Term and Vacancies

The Commission will receive an update on the appointment processes for the board member seats that have an expiring term or are currently vacant.

c.) OC LAFCO Professional Services Agreements Update

The Commission will receive the annual update on the current professional services agreements.

6. PUBLIC HEARING

No public hearing items scheduled.

7. COMMISSION DISCUSSION AND ACTION

a.) OC LAFCO 2020-2021 Work Plan Mid-Year Update

The Commission will receive a mid-year update on the FY 2020-2021 Work Plan.

b.) Professional Services Agreement with Davis Farr LLP

The Commission will consider the approval of a professional services agreement with Davis Farr LLP for independent auditing services for fiscal years ending on June 30, 2021 through June 30, 2024.

c.) San Diego LAFCO Legislative Effort to Amend Government Code Section 56133

The Commission will receive a report and discuss the legislative effort of San Diego LAFCO to amend G.C Section 56133.

8. 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.

9. EXECUTIVE OFFICER'S REPORT

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

a.) OC LAFCO Leave Expansion and Emergency Paid Sick Leave Policy (Coronavirus)

The Commission will receive an oral update on the temporary policy adopted by the Commission to comply with the Families First Coronavirus Response Act that expired December 31, 2020.

10. INFORMATIONAL ITEMS & ANNOUNCEMENTS

a.) LAFCO Application for Detachment of Territory from the City of Tustin: Proposed "Pomeroy Property Detachment from the City of Tustin" (CD 20-13)

The Commission will receive an oral report on an application filed by the landowner proposing the detachment of approximately .18 acres from the City of Tustin to align the boundaries of the entire property to include a single-family residence. The property includes two parcels located within the County unincorporated area of North Tustin and one parcel located in the City of Tustin.

Pursuant to Government Code Section 56751, upon receipt of a proposal to detach territory from any city, the Executive Officer shall place the proposal on the agenda for the next Commission meeting for information purposes only. No later than 60 calendar days after placing the proposal on the Commission agenda, the city from which the detachment is being proposed may adopt and transmit a resolution to the Commission requesting termination of detachment proceedings.

11. CLOSED SESSION

No closed session items scheduled.

12. 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 made available to the public 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>.

ORANGE COUNTY LOCAL AGENCY FORMATION COMMISSION 2021 MEETING CALENDAR

2021

Approved October 14, 2020

January						
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- OC LAFCO Regular Meeting (*begins at 8:15 a.m.*)
Location: Meetings are currently conducted electronically and telephonically. Meeting participation and location information are provided in the monthly agenda.
- Annual Strategic Planning Workshop. Time and location will be provided at a later date.
- Office closure due to legal holidays and flexible work schedule.
- CALAFCO Annual Conference - October 6 - 8, 2021 at Hyatt Regency Newport Beach John Wayne Airport.

Agenda Materials Available Online at <http://oclafco.org>.



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

AGENDA
January 4, 2021
1:30 PM – 3:30 PM

[Join Teams Meeting](#)

Call in number: +1 949-543-0845

Access code: 523 790 063#



Shaun Pelletier

City of Aliso Viejo

Lisa Zawaski

City of Dana Point

Mary Vondrak

City of Laguna Beach

Ken Rosenfield

City of Laguna Hills

Hal Ghafari

City of Laguna Niguel

Rebecca Pennington

City of Laguna Woods

Devin Slaven

City of Lake Forest

Joe Ames

City of Mission Viejo

Hazel McIntosh

City of Rancho Santa Margarita

David Rebensdorf

City of San Clemente

Norris Brandt

San Juan Basin Authority

Joe Parco

City of San Juan Capistrano

Grant Sharp

County of Orange

Dennis Cafferty

El Toro Water District

Mark Tettemer

Irvine Ranch Water District

Rodney Woods

Moulton Niguel Water District

Charles Busslinger

Municipal Water District of OC

Dan Ferons

Santa Margarita Water District

Rick Shintaku

South Coast Water District

Betty Burnett

South OC Wastewater Authority

Fernando Paludi

Trabuco Canyon Water District

David Youngblood

Laguna Beach County Water District

1. **Welcome & Introductions**
2. **2021 Agenda Planning for Executive Committee**
Beatrice Musacchia, County of Orange
3. **Executive Committee Administrative Items**
Beatrice Musacchia, County of Orange
4. **Developing Project Partnerships**
Grant Sharp, County of Orange
5. **Aliso Creek Collaboration Update**
Jennifer Shook & Andrew McGuire, County of Orange
6. **MC Member Roundtable**
Committee
7. **Next Management Committee Meeting: March 1, 2021**
Next Executive Committee Meeting: February 4, 2021
8. **Closing and Adjourn**



Executive Committee Meeting

Tuesday, January 5, 2021

7:30 a.m.

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. Mark Monin
El Toro Water District

1st Vice President

Hon. Arlene Schafer
Costa Mesa Sanitary District

2nd Vice President

Hon. Larry Dick
*Municipal Water District of
Orange County*

3rd Vice President

Vacant

Secretary

Hon. Greg Mills
Serrano Water District

Treasurer

Hon. Bill Green
South Coast Water District

Immediate Past President

Hon. Sandra Jacobs
Santa Margarita Water District

Staff Administration

Heather Baez

*Municipal Water District of Orange
County*

Christina Hernandez

*Municipal Water District of Orange
County*

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

Join Zoom Meeting

<https://zoom.us/j/99287384726>

Dial by your location

669 900 9128 US (San Jose)

877 853 5247 US Toll-free

888 788 0099 US Toll-free

Meeting ID: 992 8738 4726

AGENDA

I. Welcome, Introductions – 7:30 am

[Please mute yourself when not speaking. Please raise hand on Zoom if you have a question or comment.]

II. Approval of Minutes – 7:35 am

- Consider approval of the minutes for the December 1, 2020 meeting.

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

IV. New Business – 7:45 am

- Consider approval of ISDOC 2021 meeting schedule.
- Discussion of goals for ISDOC in 2021.
 - Increased participation and involvement.
- Form 700 Virtual Workshop
- Review of duties for Executive Committee.
- Review of website.
 - List of members and associates.

V. Old Business – 8:00 am

VI. Treasurer's Report – 8:05 am – Director Green

- Report of accounts

VII. CSDA Report – 8:10 am – Director Schafer

- Receive, discuss and file the CSDA Report

VIII. LAFCO Report – 8:15 am – Director Fisler

- Receive, discuss and file the LAFCO report

IX. ACWA Report – 8:20 am – Director Jacobs

- Receive, discuss and file the ACWA report

X. OCCOG Report – 8:25 am – Director Schafer

- Receive, discuss and file OCCOG report

XI. Orange County Operational Area Report - 8:30 am – Director Monin

- Receive, discuss and file OCOA report

XII. Subcommittee Reports – 8:35 am

- Programs
 - Discussion of January Luncheon - Director Schafer
- Membership - Director Dick
- Legislative - Heather Baez
 - Discuss and consider taking action on proposed legislation of interest to Special Districts.

XIII. Adjourn – 8:40 am



ISDOC Executive Committee (Virtual Meeting via Zoom)

December 1, 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)

Bill Green, Secretary (SCWD)

James Fisler, Immediate Past President (Mesa WD)

Others Present:

Gavin Centro (OC LAFCO)

Alicia Dunkin (OCWD)

Larry Dick (MWDOC)

Mike Gaskins (ETWD)

Joone Lopez (MNWD)

Vicki Osborn (MWDOC)

Mike Scheafer, Director (CMSD)

Stacy Taylor (Mesa WD)

John Withers (IRWD)

Jerry Vilander (Serrano WD)

Heather Baez (MWDOC)

Christina Hernandez (MWDOC)

Jody Brennan (SCWD)

Laura Heflin (Serrano WD)

II. Minutes

The minutes of the November 3, 2020 meeting were reviewed. Upon a motion by Bill Green and second by Mark Monin the minutes were unanimously approved.

III. Public Comments

None

IV. New Business

Announcement of New Officers effective January 2021 through December 2023. President Jacobs announced the result of the election of officers to the ISDOC Executive Committee for the 2021-2023 cycle:

- Mark Monin, President (ETWD)
- Arlene Schafer, 1st Vice President (CMSD)
- Larry Dick, 2st Vice President (MWDOC)
- Mary Ailene Matheis, 3rd Vice President (IRWD)
- Greg Mills, Secretary (SWD)
- Bill Green, Treasurer, (SCWD)
- Saundra Jacobs, Immediate Past President (SMWD)

Heather Baez reviewed the process for filling the vacancy of Mary Aileen Matheis since she did not win her re-election. The position can be filled by appointment of the Executive Committee or by election. Heather recommends getting the call for candidates out this month. The Executive Committee members discussed the course of action and possible candidates and outreach.

Mark Monin made motion to put out the call for candidates and appoint from that pool of candidates within 60 days. Second by Joan Finnegan. Motion passed unanimously.

V. Old Business

- Discussion of letter regarding recruitment of Metropolitan Water District General Manager and desired qualifications.

President Jacobs brought this item up at the MWDOC/MET meeting in November and asked if the Executive Committee would like to submit a letter. Several Executive Committee members were in support of it, but more Executive Committee members were opposed to sending the letter. A letter will not be sent.

VI. Treasurer's Report

Joan Finnegan reported a balance of \$12,464.62.

Joan Finnegan will be passing off the signing authority and the Treasurer's materials to Bill Green, incoming Treasurer and Mark Monin, incoming President.

VII. CSDA Report

Arlene Schafer reported on the following:

- CSDA now has 162 members and are actively recruiting new members
- August 30 – 31, 2020 will be CSDA's annual Conference in Monterey (subject to change).
- Membership payments and Annual Conference registration fees have been successful this year

Saundra Jacobs reported on Chris Palmer's latest brief.

VIII. LAFCO Report

Jim Fisler reported the next OC LAFCO meeting will be December 9 at 8:15 a.m. Agenda items include recognition of Cheryl Brothers for her service, Annual Audit, Legislative Report, consideration of postponing annual strategic planning session, and election of officers for 20/21 term.

IX. ACWA Report

Saundra Jacobs encouraged everyone to register for and participate in the Annual ACWA Virtual Conference which starts tomorrow, December 2. She reviewed the agenda, sessions and speakers.

The ACWA Region 10 meeting will be held on December 10 at 1:00 p.m. (not during the Annual Conference).

X. OCCOG Report

Mike Scheafer reported the December 3 has been cancelled due to lack of agenda items. The next meeting will be on January 28, 2021.

XI. Orange County Operational Area Report

- Vicki Osborn, Director of Emergency Management, WEROC, reported on the following:
 - Wildland Fire Response – Vicki will participate in post activity meetings
 - Covid-19 – still following County and Governor updates.
 - OAL passed Cal OSHA Emergency Covid-19 regulation. Vicki will make sure all Special Districts are in compliance with IIPP.

XII. Subcommittee Reports

- Programs:
 - Arlene Schafer reported the January 28 Quarterly Luncheon speaker will be OC Sherriff Don Barnes. MNWD has agreed to be the highlighted district at the luncheon. Arlene will reach out to the associate members to see if there is an interest in a highlight associate member.
 - There was discussion of rescheduling the cancelled CSDA Form 700 workshop virtually.
 - An Executive Committee 2021 Meeting Schedule will be brought to the January 5, 2021 Executive Committee meeting for discussion and approval.
- Membership: None
- Legislative Update: Covered in other areas of the agenda and CSDA Alerts continue to be sent to all members.

XIII. Adjourn: The meeting adjourned at 8:43.

Signed: _____

ISDOC Secretary

Date: _____



AGENDA

Friday, January 8, 2020
7:30 a.m. - 9:00 a.m.

Register:

<https://ocwd.zoom.us/meeting/register/tJ0oce2urDwtHtNqZeNgqI720XGBKEupNYAR>

Mailing Address

P.O. Box 8300
Fountain Valley, CA 92708

Meeting Location

Via Zoom

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

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

Officers

Chair

Hon. Cathy Green
Orange County Water District

Vice Chair

Hon. Mark Monin
El Toro Water District

Staff Contacts

Alicia Dunkin

Orange County Water District

Heather Baez

Municipal Water District of Orange County

1. Welcome

- Cathy Green, Orange County Water District

2. Housekeeping & Meeting Etiquette

3. Pledge of Allegiance

4. Program: Sources and Sinks: A Scientific Look at Earth's Emissions and What They Mean for Water

- Michael Gunson, PhD, Global Change & Energy Program Manager & OCO-2 Project Scientist, Jet Propulsion Laboratory

5. 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

6. Adjourn

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Next WACO Meeting

Friday, February 5, 7:30 a.m. via Zoom

Next WACO Planning Committee Meeting

Tuesday, January 19, 7:30 a.m. via Zoom

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



/orangecountywater



@waco_h2o



/orangecountywater



WACO Planning Committee
Tuesday, January 19, 2020
7:30 A.M.

Join Zoom Meeting
<https://zoom.us/j/92882659982>

Meeting ID: 928 8265 9982

Phone Audio: 669-900-9128

AGENDA

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

Virtual - Zoom

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

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

Officers

Chair

Hon. Cathy Green
Orange County Water District

Vice Chair

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El Toro Water District

Staff Contacts:

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Orange County Water District

Heather Baez
Municipal Water District of Orange County

ACTION ITEMS

1. February 5 WACO meeting (*Virtual*)
 - Topic: Federal update
 - Speaker: Eric Saperstein, ENS Resources (confirmed)
 - Reports: ACWA, Met
 - Confirm meeting title
 - Confirm topics/points for speaker to address
 - Confirm reports
2. March 5 WACO meeting (*Virtual*)
 - Topic: TBD
 - Speaker: TBD
 - Reports: ACWA, Met, CSDA
 - Decide topic (see below for list of previously proposed topics)
 - Decide speaker(s)
 - Confirm reports

DISCUSSION ITEMS

1. April and May 2021 Meetings (*Most likely virtual*)
 - Discuss potential topics and speakers
2. Future topics for virtual and in person meetings
 - Any to add?
 - Any to remove?
 - Any to wait until in person meetings resume?
 - Species in the river (Peer Swan) + Ducks Unlimited (Howard Hull)
 - What does reduced reliance on the Delta mean for SoCal? (Peer Swan)
 - Cloud seeding in the Santa Ana Watershed (Kelly Rowe)
 - Update on Prop 1 funding (Larry Dick)
 - Huntington Beach desal (Peer Swan)
 - International view of water (Ahmad Zahra)
 - MWD Urban Water Management Plan (Bob McVicker)
 - MWD Integrated Water Resources Plan– Brad Coffey (Bob McVicker/Don Froelich)
 - MWD Local Resources Plan (Peer Swan)
 - Ways water districts add to their income stream w/o rate payers (Larry Dick)
 - 1,2,3-TCP in the Central Valley (Cathy Green)
3. Discussion of January 8 meeting
 - Greenhouse Gases

INFORMATIONAL ITEMS

1. Please let staff know if there is anyone who should be added to or removed from the planning meeting invite list

ADJOURN



Stay Connected with WACO
on Facebook, Twitter and YouTube!

DATES TO REMEMBER
JANUARY/FEBRUARY 2021

1. Jan 28 – 11:30 a.m. – ISDOC Quarterly Meeting
2. Jan 28 – 12:00 p.m. – South County Agencies Meeting
3. Jan 29 – DISTRICT OFFICE CLOSED
4. Feb 1 – 8:30 a.m. – MWDOC Planning/Operations Meeting
5. Feb 1 – 1:30 p.m. – SOCWMA Meeting
6. Feb 2 – 7:30 a.m. – ISDOC Executive Committee Meeting
7. Feb 2 – 10:00 a.m. – RRC Meeting
8. Feb 3 – 8:30 a.m. – MWDOC/MET Directors Workshop
9. Feb 4 – 8:30 a.m. – SOCWA Board Meeting
10. Feb 4 – 1:30 p.m. – SOCWMA Management Committee Meeting
11. Feb 5 – 7:30 a.m. – WACO Meeting
12. Feb 5 – 11:30 a.m. – President/VP/GM Meeting
13. Feb 10 – 8:30 a.m. – MWDOC Admin/Finance Committee Meeting
14. Feb 10 – 12:00 p.m. – CalDesal Conference
15. Feb 11 – 8:30 a.m. – SOCWA Engineering Committee Meeting
16. Feb 11 – 9:00 a.m. – CalDesal Conference
17. Feb 11 – 11:30 a.m. – CAG Meeting
18. Feb 12 – DISTRICT OFFICE CLOSED
19. Feb 15 – DISTRICT OFFICE CLOSED – Presidents Day Holiday
20. Feb 16 – 7:30 a.m. – Agenda Review Meeting
21. Feb 16 – 7:30 a.m. – WACO Planning Committee Meeting
22. Feb 16 – 10:30 a.m. – SOCWA Finance Committee Meeting
23. Feb 17 – 8:30 a.m. – MWDOC Board Meeting
24. Feb 17-18 – Urban Water Conference
25. Feb 19 – 11:30 a.m. – President/VP/GM Meeting

- 26. Feb 22 – 7:30 a.m. – Regular Engineering/Finance Committee Meetings
- 27. Feb 24 – 10:00 a.m. – Lake Forest Utility Coordination Meeting
- 28. Feb 25 – 7:30 a.m. – Regular Board Meeting
- 29. Feb 26 – DISTRICT OFFICE CLOSED

EL TORO WATER DISTRICT

Glossary of Water Terms

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

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

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

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

AFY: Acre-foot per year.

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

AMP: Allen McCulloch pipeline.

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

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

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

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

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

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

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

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

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

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

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

BIA: Building Industry Association.

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

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

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

Brackish water: A mixture of freshwater and saltwater.

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

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

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

CEQA: California Environmental Quality Act.

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

CFS: Cubic feet per second.

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

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

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

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

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

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

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

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

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

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

Crisis:

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

CTP Coastal Treatment Plant

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

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

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

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

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

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

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

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

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

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

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

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

Disinfection: Water treatment which destroys potentially harmful bacteria.

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

Drought: A prolonged period of below-average precipitation.

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

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

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

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

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

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

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

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

Estuary: Where fresh water meets salt water.

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

FCH Federal Clearing House – Environmental Review/Processing

FEMA Federal Emergency Management Agency

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

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

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

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

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

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

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

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

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

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

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

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

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

GPM: Gallons per minute.

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

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

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

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

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

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

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

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

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

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

MAF: Million acre feet.

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

MET: Metropolitan Water District of Southern California.

MGD: Million gallons per day.

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

Microorganism: An animal or plant of microscopic size.

MWD: Metropolitan Water District of Southern California.

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

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

NPDES National Pollution Discharge Elimination System

OCBC: Orange County Business Council.

OCEMA Orange County Environmental Management Agency

OCWD: Orange County Water District.

Opportunity:

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

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

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

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

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

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

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

Potable water: Suitable and safe for drinking.

PPB: Parts per billion.

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

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

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

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

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

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

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

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

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

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

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

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

RFP Request for Proposal

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

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

R-O-W Right-of-way

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

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

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

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

SAFRA Santa Ana River Flood Protection Agency

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

SAWPA: Santa Ana Watershed Project Authority.

SCADA Supervisory Control and Data Acquisition

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

SCH State Clearing House – Environmental Review/Processing

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

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

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

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

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

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

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

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

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

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

SJBA San Juan Basin Authority

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

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

CSC – City of San Clemente

CSJC – City of San Juan Capistrano

CLB – City of Laguna Beach

ETWD – El Toro Water District

EBSD – Emerald Bay Service District

IRWD – Irvine Ranch Water District

MNWD – Moulton Niguel Water District

SCWD – South Coast Water District

SMWD – Santa Margarita Water District

TCWD – Trabuco Canyon Water District

SRF State Revolving Fund

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

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

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

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

SWRCB State Water Resources Control Board

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

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

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

TMA: Too many acronyms.

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

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

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

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

VE Value Engineering

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

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

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

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

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

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