

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

April 22, 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/86149932269>. (Meeting ID: 861 4993 2269).

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 – President Gaskins

ORAL COMMUNICATIONS/PUBLIC COMMENTS

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

PRESENTATION OF AWARDS, RECOGNITIONS AND INTRODUCTIONS

a. Service Awards

1. Mr. Cafferty will recognize and congratulate Vincent Coppola, Maintenance Worker III, for 5 years of service with the District.

1. CONSENT CALENDAR

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

- a. Consider approving the minutes of the March 25, 2021 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.

2. Director Reports for Meetings Attended (Oral Report)

GENERAL MANAGER ACTION ITEMS

3. **EL TORO WATER DISTRICT DRAFT 2020/21 BUDGET, WATER, SEWER & RECYCLED WATER COST OF SERVICE (COS) AND PROPOSITION 218 NOTICE**

Staff and the Committee will review and discuss the Draft 2020/21 Budget Assumptions and Associated Fiscal Implications, the Draft COS, the Draft Proposition 218 Notice and the Schedule to Distribute and Conduct a Public Hearing on same.

Recommended Action: Subject to Board input, Staff and the Committee recommend that the Board of Directors approve the El Toro Water District:

- a. 2020/21 Operating Budget
- b. 2020/21 Water, Recycled Water, and Wastewater Rate Study
- c. 2020/21 Proposition 218 Notice and authorize distribution of same in accordance with applicable public noticing requirements
- d. Authorize noticing of a Rate Public Hearing to be scheduled for June 24, 2021

4. **Annual Review of the District's Identity Theft Prevention Policy Statement (2008-23 (IV))** (Reference Material Included)

The District performs an annual review of the Identity Theft Prevention Policy Statement. Staff recommends no amendments to the District's Identity Theft Prevention Policy 2008-23 (IV).

Recommended Action: Staff recommends no amendments to the Districts Identity Theft Prevention Policy 2008-23 (IV).

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 Board Meeting – April 1, 2021
- b. SOCWA Engineering Committee Meeting – April 8, 2021
- c. SOCWA Finance Committee Meeting – April 20, 2021

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

- a. MWDOC Elected Officials Forum – April 1, 2021
- b. MWDOC Planning/Operations Meeting – April 5, 2021
- c. MWDOC/MET Directors Workshop – April 7, 2021
- d. MWDOC Administration & Finance Committee – April 19, 2021
- e. MWDOC Board Meeting – April 21, 2021

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

There was no meeting.

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

- a. Report on the April 5, 2021 Management Committee meeting – canceled.

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

- a. Report on the April 6, 2021 ISDOC Executive Committee meeting.

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

- a. Report on the April 2, 2021 WACO meeting
- b. Report on the April 20, 2021 WACO Planning Committee meeting

COMMITTEE AND GENERAL INFORMATION

15. Dates to Remember for April/May 2021 (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. [Class Action] *Kessner et al. v. City of Santa Clara, et al.* (Santa Clara County Superior Court - Case No. 20 CV 364054).

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
March 25, 2021

President Gaskins called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order via Zoom at 7:30 a.m. on March 25, 2021.

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

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

Also present were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, JASON HAYDEN, CFO, SCOTT HOPKINS, Operations Superintendent, BOBBY YOUNG, Principal Engineer, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, ROMAN KOCIBAN, Employee, VICKI TANIOUS, Employee, VINNIE COPOLLA, Maintenance Worker II, ERIC WILSON, Senior Mechanic, MARISOL MELENDEZ, Customer Service Office Rep 1, GILBERT J. GRANITO, General Counsel, MICHAEL COLANTUONO, Special Counsel, JENNIFER PANCAKE, Special Counsel (joined at 8:30 a.m.), and POLLY WELSCH, Recording Secretary.

Attorney Report

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

Closed Session

At approximately 7:35 a.m. the Board went into Closed Session. Also, at this time, Mr. Hayden, Ms. Cimorell, Ms. Tanious, Mr. Kociban, Mr. Copolla, Mr. Wilson, Mr. Hopkins, Ms. Seitz, Mr. Young, Ms. Melendez, and Ms. Welsch left the meeting.

Report on Closed Session

At approximately 7:50 a.m. the Board returned to Regular Session. Also, at this time, Mr. Hayden, Ms. Cimorell, Ms. Tanious, Mr. Kociban, Mr. Copolla, Mr. Wilson, Mr. Hopkins, Ms. Seitz, Mr. Young, Ms. Melendez, and Ms. Welsch returned to the meeting. Also, at this time, Mr. Colantuono left the meeting.

Mr. Granito reported that the Board did go into Closed Session with regard to item #2, the Kessner litigation. He further reported that during that segment of today's Closed Sessions, the District's Special Counsel, Michael Colantuono, led a discussion on the status of the action. No reportable action was taken.

Oral Communications/Public Comments

There was no public and there were no comments.

Items Received Too Late to be Agendized

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

Presentation of Awards, Recognitions and Introductions

Service Awards

President Gaskins stated that the water industry, both on the wastewater and domestic water side, is unique with jobs done well that they are nearly invisible to the public, and staff are well trained and educated, with their progress noted through certifications and rigorous trainings.

1. Mr. Cafferty recognized and congratulated Vicki Tanious, Senior Accountant/Payroll, for 5 years of service with the District.
2. Mr. Cafferty recognized and congratulated Eric Wilson, Senior Mechanic, for 20 years of service with the District.

Continuing Education & Training, Degree and Certification Program

Acknowledgment

1. Mr. Cafferty recognized and congratulated Daniel Lopez, Maintenance Worker 1, for obtaining his State Water Resources Control Board T-2 Treatment Certification.
2. Mr. Cafferty recognized and congratulated Roman Kociban, Crew Chief, for obtaining his State Water Resources Control Board D-5 Distribution Certification.
3. Mr. Cafferty recognized and congratulated Vincent Coppola, Maintenance Worker II, for obtaining his State Water Resources Control Board D-5 Distribution Certification.

4. Mr. Cafferty recognized and congratulated Will Wesson, Maintenance Worker II, for obtaining his Water Utility Science – Water Distribution Certificate from Santiago Canyon College.
5. Mr. Cafferty recognized and congratulated Marisol Melendez, Customer Service Representative 1, for obtaining her Associates Degree in Liberal Arts & Humanities from Golden West College.

Consent Calendar

President Gaskins asked for a Motion.

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

Roll Call Vote:

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

Director Reports for Meetings Attended

Director Havens stated that she attended the ISDOC Executive Committee meeting, the RRC meeting, the MWDOC/MET Directors workshop, the SOCWA Board meeting, the SOCWMA Executive meeting, the WACO meeting, the LAFCO meeting, the South Orange County Economic Coalition meeting, a TV-6 interview, the WateReuse conference, and the District's meetings.

Director Monin stated that he attended the OCCOG meeting, the District's meetings, the WaterReuse conference, the WACO Planning Committee meeting, the OCWA meeting, the Budget Committee meeting, the MWDOC Admin/Finance meeting, the ACWA Finance Committee meeting, the WACO meeting, the MWDOC/MET Directors workshop, and the ISDOC Executive Committee meeting.

Director Vergara stated that he attended the MWDOC Planning/Operations meeting, the MWDOC/MET Directors workshop, the WACO meeting, the MWDOC Admin/Finance meeting, the MWDOC Board meeting, the South Orange County Economic Coalition meeting, the WaterReuse conference, the WACO Planning meeting, the District's meetings, and finished his Sexual Harassment training. He also intends to attend a Salinity Management meeting by the Southern California Water Coalition, and the OCWA meeting.

Vice President Freshley stated that she attended the WACO meeting, the MWDOC/MET Directors workshop, the MWDOC Planning/Operations meeting, the District meetings, the Budget Committee meeting, the President/Vice President/GM meetings, the Agenda Review meeting, the SOCWA Finance Committee meeting, the SOCWA Board meeting, the RRC meeting, the OCWA meeting, the Laguna Woods City Council meeting, and the LAFCO meeting.

President Gaskins stated that he attended the MWDOC Planning/Operations meeting, the MWDOC/MET Directors workshop, the

WACO meeting, the MWDOC Admin/Finance meeting, the Agenda Review meeting, the President/VP/GM meetings, the MWDOC Board meeting, and the District's meetings.

General Manager Action Items

Resolution No. 21-3-2 Concurring in the Nomination of Jo MacKenzie to the California Special Districts Association Board of Directors, Southern Network, Seat A

Mr. Cafferty stated that the District received a request for nomination for Jo MacKenzie (incumbent) to the CSDA Board of Directors, Southern Network, Seat A. He further stated that a second request for support letter was received yesterday for another individual.

Director Vergara stated that he had met Jo MacKenzie at previous events, and she is devoted to the water industry, and he feels we should support her.

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. 21-3-2 which concurs with the Vista Irrigation District's nomination of Jo MacKenzie to the California Special Districts Association Board of Directors, Southern Network, Seat A.

Roll Call Vote:

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

President Gaskins aye

General Manager Information Items

COVID-19 Update

Mr. Cafferty stated that we have seen a significant reduction in hospitalizations and cases. He further stated that the County moved into the Orange Tier this week.

Mr. Cafferty stated that Water and Wastewater workers are now eligible for the vaccines.

Attorney Report

Closed Session

At approximately 8:30 a.m. Ms. Pancake joined the meeting, and the Board went into Closed Session. Also, at this time, everyone except the Board members, General Counsel, the General Manager, and Ms. Pancake (Special Counsel) left the meeting.

Report on Closed Session

At approximately 8:45 a.m. Regular Session resumed, and everyone who left during the Closed Session returned to the meeting. Also, at this time, Ms. Pancake left the meeting.

Mr. Granito reported that the Board did go into Closed Session to discuss item #1, the Quiet Title action, during which Special Counsel, Ms. Jennifer Pancake reported on the resolution to the litigation and the successful achievement of the demonstrated Quiet Title to the property at issue, and no reportable action was taken.

Mr. Granito reported that during the last segment of the Closed Session, he reported on the eminent domain litigation filed by the State of California against El Toro Water District, with regard to property it deemed necessary to expand the I-5 freeway expansion project. Mr. Granito reported that subsequent to the litigation being filed, negotiations resulted in the dismissal of the District on Monday, March 22, 2021.

General Manager's Monthly Report

Mr. Cafferty stated that included in the package is a certificate that the District received from JPIA for the President's Special Recognition Award for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums" in the Property Program for the period 4/01/16 – 3/31/19.

Mr. Cafferty stated that Budget Committee #1 was held earlier this week and it was a successful start to the budget process.

Director Monin stated that Mr. Hayden did a good job preparing new charts. Vice President Freshley agreed.

Director Monin stated that the Customer Service report is looking good, but he is concerned with the Delinquent Calls not being reported accurately. Mr. Cafferty replied that staff will review the zero number to see if it needs to be corrected.

Mr. Cafferty stated that we had a spill last week in our sewer system when a plumber had been lining a lateral for a single-family residence and they went a little too far with the lining and resulted with a blockage that then became a sewer spill.

Mr. Cafferty stated that we spilled approximately 2500 gallons of wastewater, and recovered approximately 2300 gallons, so approximately 200 gallons went into the receiving storm drain that goes into a creek.

Director Vergara asked if the District receives any reprimand from the County. Mr. Cafferty replied no.

Legislative Reports

Mr. Cafferty stated that there is a Senate Bill which tries to put a 120 day cap on the amount of time that people have to file litigation regarding rates. He further stated that ACWA is promoting this bill, and ETWD has participated in the ACWA letter.

Public Education and Outreach & Water Conservation Reports

Ms. Seitz stated that Director Havens had a Zoom interview with Lisa Hart on TV-6 where she talked about updating the water district since COVID-19. She further stated that there will be no interviews in April, so our schedule will shift backwards one month, so Director Vergara will be interviewed in May.

Ms. Seitz stated that she is working on a newsletter, and will talk to LWV to see if they can send out the CAG information on an email blast, as well as the HOA's to include it in their newsletters.

Vice President Freshley suggested putting the CAG information in the bill stuffers too. Ms. Seitz agreed.

SOCWA Reports

Mr. Cafferty stated that at the SOCWA Finance meeting they discussed their budget and some uncontrollable cost drivers in their Operating budget. He further stated that they also discussed the unfunded liability issue.

MWDOC

Director Vergara stated that at the MWDOC Planning/Operations meeting they discussed the WEROC assessment, and the MNWD agreement with OCWD for possible water storage.

Mr. Cafferty stated that MWDOC plans to have further discussion on the WEROC EOC at the next MWDOC Planning/Operations meeting. He further stated that as far as the MNWD request to have emergency groundwater storage, the OCWA studies are largely complete, with one study to assess how water can be distributed, and one study to assess costs.

President Gaskins stated that at the MWDOC/MET Directors workshop they discussed confusion with the WEROC project, and the possibility of using the Baker plant instead. He further stated that there has been no discussion on the Baker plant, and IRWD determined that the Baker plant is not an option for WEROC.

Director Vergara asked if we could go ahead and build the new building and then lease back to WEROC. Mr. Cafferty replied that if WEROC decides not to build a new building, our costs do not change dramatically.

Director Monin stated that at the MWDOC Admin/Finance meeting they discussed changing how they work with OCWD and how it might affect other agencies.

Mr. Cafferty stated that MWDOC provided a series of meetings regarding their rate study which Raftelis has been preparing for them, and one of their challenges has been identifying how OCWD fits into collecting their revenue. He further stated that the current process they have been using is that OCWD pays a little more than \$500,000/year, and there is also a charge that goes to all member agencies, but OCWD is complaining about paying a large share and then the member agencies are paying again, which feels like being double charged. He further stated that the decision was that OCWD would be treated like any other agency.

LAFCO

Vice President Freshley stated that at the LAFCO meeting they discussed the budget and the approximately 10% increase that affects everyone, which is allocated a third cost to the County, a third cost to the Cities, and a third cost to the Special Districts. She further stated that they also discussed current Legislation, and an unincorporated part of the County.

SOCWMA

Director Havens stated that they discussed an Executive report which mentioned that the IRWMP is now 10 years old, and that the San Diego Regional Water Quality Board is issuing biological objectives which led into the Aliso Creek investigative order regarding breaching the sand bar. She

further stated that it was made clear that the County does not own Aliso Creek; it owns a small portion under the mouth, but regardless of this they are co-funding work in response to the Order.

Director Havens stated that they also discussed the work that was done over the year which includes development of a Reference Guide.

SAC

Director Havens stated that they discussed the Baker pipeline that is exposed in Santiago Creek and it was agreed that they were going to sink it another 10 feet. She further stated that ETWD's share of cost will be approximately \$50,000, with anticipated completion in October.

Director Havens stated that she was appointed the Alternate for JPIA for SAC.

ISDOC

Director Monin stated that there are 3 candidates running for the second VP position, with the nominating period ending Friday. He further stated that ISDOC is working on getting their own website instead of working through MWDOC. Vice President Freshley asked why they are planning to get their own website. Director Monin replied that MWDOC runs the website, and ISDOC would prefer to have their own website.

Director Monin stated that they are working on a letter to the Elected Officials.

WACO

Director Monin stated that they discussed the Ducks Unlimited presentation and collaboration. He further stated that the next meeting will be on rain seeding.

City Coordination Meetings

There were no comments.

Committee and General Information

Director Havens stated that the WaterReuse conference focused on recycled water as drinking water. She further stated that toxicology reports are needed, and contaminants are a concern along with light volatiles.

Director Havens stated that they are marketing a one water world view going through various phases of existence.

Dates to Remember for March/April 2021

There were no comments.

Comments Regarding Non-Agenda Items

Adjournment

There being no further business to come before the Board, the meeting was adjourned at 10:10 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



BUDGET 2021-2022

For Fiscal Year
July 1, 2020 - June 30, 2022



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Principal Officials
On the Budget Approval Date of June 24, 2021

PRESIDENT

Mike Gaskins

VICE-PRESIDENT

Kathryn Freshley

BOARD OF DIRECTORS

Jose F. Vergara

Mark Monin

Kay Havens

GENERAL MANAGER

Dennis Cafferty

MANAGEMENT TEAM

Judy Cimorell

Jason Hayden

Scott Hopkins

Mike Miazga

Robert Young

Human Resources Manager

Chief Financial Officer

Operations Superintendent

Information Technology Manager

Principal Engineer



The mission of the El Toro Water District is to provide its customers with safe, reliable, and high quality water, wastewater treatment, and recycled water services in an environmentally and economically responsible manner. The District intends to accomplish this mission by efficiently and effectively managing its operations and maintenance activities and prudently and effectively investing in its capital assets.

July 1, 2021

Presented for your review and consideration is the Budget document for the El Toro Water District for the Fiscal Year beginning July 1, 2021 and ending June 30, 2022. The budget provides a framework for achieving the strategic objectives established by the District Board and details how the resources entrusted to the District by its customers will be utilized to provide effective and efficient water, wastewater, and recycled water services. The core purposes of the District's annual budget include estimating the financial resources that will be available to the District during the budget period and authorizing a spending plan that utilizes those financial resources to fund the services, programs, and projects the District Board has determined are necessary to effectively serve the District's customers. The Budget is developed and modified through an extensive review process involving the Board of Directors and District Staff and reflects a continual commitment by the District to deliver safe, reliable, and high quality services to the District's customers.

The services and programs provided by the District are made possible by the financial resources that are generated when the customers of the District pay their utility bills. The District is committed to utilizing these resources to provide efficient, effective, and high-quality services that meet the needs of the customers. The Budget is one of the foundations of the District's service provision efforts and illustrates how resources will be used to continue providing existing services as well as make improvements to those services if appropriate and achievable. The process of developing the annual budget includes a thorough assessment of the external environment so the District will be able to effectively respond to potential challenges that may occur in a particular budget period.

Review of Accomplishments in the 2020-2021 Budget Period

During the 2020-2021 budget period, many of the objectives and projects that were included in the original budget were achieved, these achievements are detailed below:

Significant Achievements & Projects

- The District successfully adapted to the operational and safety protocols necessary to maintain the integrity and reliability of the water, wastewater and recycled water services amidst the COVID-19 pandemic.
- The District Board of Directors engaged in a detailed strategic planning process that resulted in the development of a strategic plan for the District for the next five years.
- Continued the District's commitment to excellent financial management practices as demonstrated by the receipt of the Certificate of Achievement for Excellence in Financial Reporting for the FY 2019 Comprehensive Annual Financial Report, a national recognition of the District's financial reporting by the Government Finance Officers Association (GFOA) of the United States.
- The District approved a budget for the 2020-2021 fiscal year that delayed a rate increase to October 1 by reducing expenses and utilizing reserves to minimize the financial burden on the District's customers.

Infrastructure Improvements

- During 2020-2021 engineering staff continued the Phase II Recycled Water Project which will complete the recycled water delivery system. Once the distribution system is complete, it will have a significantly positive impact on the environment by reducing potable water consumption.
- The District also began the reconstruction of the Oso Lift Station which will replace the existing sewage station built in the early 1970s. The Oso Lift Station conveys raw wastewater from the southwest portion of the service area to the gravity collection system, ultimately terminating at the Water Recycling Plant. The pumps and motors reached the end of their useful life and a newer technology has been implemented to improve the safety, reliability, and serviceability of the station.

Organizational and Service Area Challenges for 2021-2022

An ongoing endeavor for the District is identifying and securing funding for its comprehensive infrastructure investment program. In prior years, the District has been able to secure grant funding low interest loans for infrastructure improvements but these funding mechanisms are becoming more difficult to secure. Providing sufficient funding for infrastructure improvements will be a primary challenge for the District as significant infrastructure projects need to be completed in the next three to five years.

Another challenge facing the District in 2020 and future years is the continued increase in unfunded Other Post-Employment Benefits (OPEB) liability. This liability has increased significantly in the last three years and the District is considering strategies to manage this liability.

Goals and Objectives for the 2021-2022 Budget

The 2021-2022 budget includes the following goals and objectives:

- Establish a revenue cash flow plan that is sufficient to fund the operating budget including the capital replacement & refurbishment program;
- Establish a reliable, stable and predictable rate adjustment strategy that minimizes impact to customers;
- Maintain a minimum reserve level sufficient to fund legally restricted reserves, board mandated reserves and working capital requirements;
- Employ cost containment and reduction strategies and practices as appropriate to cost effectively maintain reliable service levels.

Assumptions Integrated into the 2021-2022 Budget

The 2021-2022 budget includes the following budgetary assumptions:

Revenues

- POTABLE WATER SALES are based on the purchase of 7,000 acre-feet (AF) of water and delivery of 6,700 AF to customers;
- The POTABLE WATER USAGE CHARGE which funds the purchase of water from the Metropolitan Water District through the Municipal Water District of Orange County and from the Baker Water Treatment Plant will be increased effective July 1, 2021 and is supported by an independently prepared Cost of Service Study Report;
- The POTABLE WATER SERVICE CHARGE (Water System Operations & Maintenance "O&M") will increase effective July 1, 2021 and is supported by an independently prepared Cost of Service Study and Report;
- The SEWER USAGE AND FIXED RATE (Sewer System Operations & Maintenance) will increase effective July 1, 2021 and is supported by an independently prepared Cost of Service Study and Report;
- The RECYCLED WATER SERVICE CHARGE (Recycled Water System Operations & Maintenance "O&M") will increase effective July 1, 2021 and is supported by an independently prepared Cost of Service Study Report;
- The RECYCLED WATER USAGE CHARGE will be increased effective July 1, 2021 and is supported by an independently prepared Cost of Service Study Report;
- NON-RATE REVENUE reflects shared maintenance of joint facilities with neighboring agencies, communication site leases and other miscellaneous revenues;
- PROPERTY TAX REVENUE represents the District's share of the 1% general property taxes paid to the State;
- INTEREST INCOME is projected to decrease as a result of the continued low interest rate environment;
- CAPITAL REPLACEMENT & REFURBISHMENT WATER, SEWER & RECYCLED WATER CHARGES are designed to assist in covering the cost of water, sewer and recycled water capital R&R expenditures during the fiscal year, no changes to these charges for the 2021/22 fiscal year are contemplated;
- Rate increases comply with all applicable state constitutional and statutory mandates.

Expenses

- PURCHASED WATER costs are affected by the anticipated increase in potable water sales along with increased rates charged by Metropolitan Water District of Southern California and Municipal Water District of Orange County and increased O&M costs associated with the District's capacity in the Baker Water Treatment Plant;
- ENERGY (electrical power) costs have increased based on expected system operations, capital improvements and analysis of actual Southern California Edison rates and charges;
- SOCWA OPERATIONS costs for regional bio-solids and effluent treatment and disposal have increased based on the anticipated SOCWA 2021/22 budget;
- LABOR/BENEFITS COST are projected to increase as the continued implementation of the District's Succession Plan, increases in medical premiums, the District's contributions to the employees 401(k)

Retirement Savings Plan, and the administration of a Performance Based Merit Program all impact total personnel costs;

- OPERATING COSTS exclusive of purchased water, interest, labor and depreciation have increased by approximately 3.9% compared to 2020/21.

Capital Replacement & Refurbishment Program

- Staff continues to evaluate and update the on-going five-year Water, Sewer and Recycled Capital Replacement & Refurbishment Plan (CR&R) to preserve water and sewer infrastructure investments, meet regulatory requirements, and ensure a continuous high level of service. Water and Sewer CR&R expenditures for fiscal year 2021/22 total \$2.4 million. The 2021/22 CR&R costs will be funded by revenue generated by the CR&R charge.
- Revenue generated from the Recycled Water CR&R charge amounts to \$147,055 and will be used to offset the cost of the Recycled Water program debt service.

Reserves

- The District maintains three categories of reserves: (1) those legally required to be held as the result of contractual agreement or legal requirement; (2) Board Mandated reserves; and (3) Board Restricted reserves.
- Board Mandated reserves include (1) Capital reserves, (2) rate stabilization reserves, (3) operating reserves and (4) working capital. The current minimum reserve level for Board Mandated reserves, established by Board policy, is \$8.5 million.
- In an effort to mitigate the magnitude of the necessary rate increase, the District's fiscal year 2021-22 Budget includes a provision to utilize a small amount of reserves in the Water System to fund a portion of operating expenses.

Conclusion

The 2021-2022 Budget is the result of considerable discussion and careful deliberation by the District's Board of Directors and Staff. The preparation, review and deliberation of the budget require a significant time commitment from the organization. The level of commitment demonstrated throughout this process by the Board of Directors and Staff is greatly appreciated by the General Manager and Chief Financial Officer and ensures the successful completion of the budget process. The Budget is optimistic about the future but conservative in its revenue estimates. Most of all, this Budget is the result of a process in which the opportunities and challenges facing the District have been carefully assessed, documented, and addressed to facilitate the accomplishment of the strategic objectives of the Board of Directors.

Dennis Cafferty

Dennis Cafferty
General Manager

2021-2022 Budget Summary

This section of the budget document provides a summary of the District’s financial operations, assuming the estimated revenues and expenses incorporated into the 2021-2022 Budget occur as budgeted. This section also summarizes the number of authorized positions included in the 2021-2022 compensation plan. The charts and graphs in this section provide an overview of total revenues, expenses, and the projected ending financial position for the District.

Summary of 2021-2022 Budgeted Financial Information

The 2021-2022 Budget includes \$28,894,746 in total estimated revenues and \$28,755,267 in budgeted expenses, thereby resulting in a Change in Net Position of \$139,479 for the 2021-2022 Budget Year. The Net Position⁽¹⁾ of the District is projected to equal \$62,465,520 at the end of the 2021-2022 fiscal year. In addition to the revenues and expenses that will be recognized in the District’s Statement of Revenues, Expenses and Changes in Net Position, the District will also engage in balance sheet transactions in 2021-2022 that include acquiring or constructing \$2.4 million in capital assets and repaying \$2,152,744 of its outstanding long term debt.

Table 1. Summary of Financial Operations, 2017-2018 Actual to 2021-2022 Budget

	2017-2018 Actual	2018-2019 Actual	2019-2020 Actual	2020-2021 Budget	2020-2021 YTD Actual	2020-2021 Projected Actual	2021-2022 Budget
Revenues							
Operating Revenues	25,445,261	24,663,457	25,197,330	25,995,389	13,783,157	25,666,984	27,449,746
Non-Operating Revenues	1,299,509	2,627,873	1,744,549	1,658,500	698,847	1,378,309	1,445,000
Capital Contributions	45,853	1,985,903	2,894	-	-	-	-
Total Revenues	26,790,624	29,277,233	26,944,773	27,653,889	14,482,004	27,045,293	28,894,746
Expenses							
Operating Expenses	27,096,755	26,928,835	27,980,606	27,667,622	13,584,862	26,702,631	28,037,267
Non-operating Expenses	790,753	753,794	777,511	756,649	378,324	756,324	718,000
Total Expenses	27,887,508	27,682,629	28,758,117	28,424,271	13,963,186	27,458,955	28,755,267
Change in Net Position	(1,096,884)	1,594,604	(1,813,344)	(770,382)	518,818	(413,662)	139,479
Net Position - July 1	63,817,614	62,958,444	64,553,048	62,739,703	62,739,703	62,739,703	62,326,041
Net Position - June 30	62,720,730	64,553,048	62,739,703	61,969,321	63,258,522	62,326,041	62,465,520
Balance Sheet Expenses							
Acquisition of Capital Assets	5,716,818	2,830,078	1,447,543	2,400,000	498,212	2,400,000	2,400,000
Repayment of Long Term Debt	1,739,638	1,776,305	2,166,953	2,109,135	1,689,295	2,109,135	2,152,744

(1) The Net Position of a governmental entity such as the District is the difference between the entity’s assets and liabilities. Net Position represents the residual value that remains after all of the financial activities of the entity have been accounted for. Therefore Net Position incorporates the effects of non-cash transactions, including depreciation, amortization, expensing of liabilities (OPEB for the District), and all other non-cash transactions that are included in the Statement of Revenues, Expenses, and Changes in Net Position.

Analysis of District Revenues

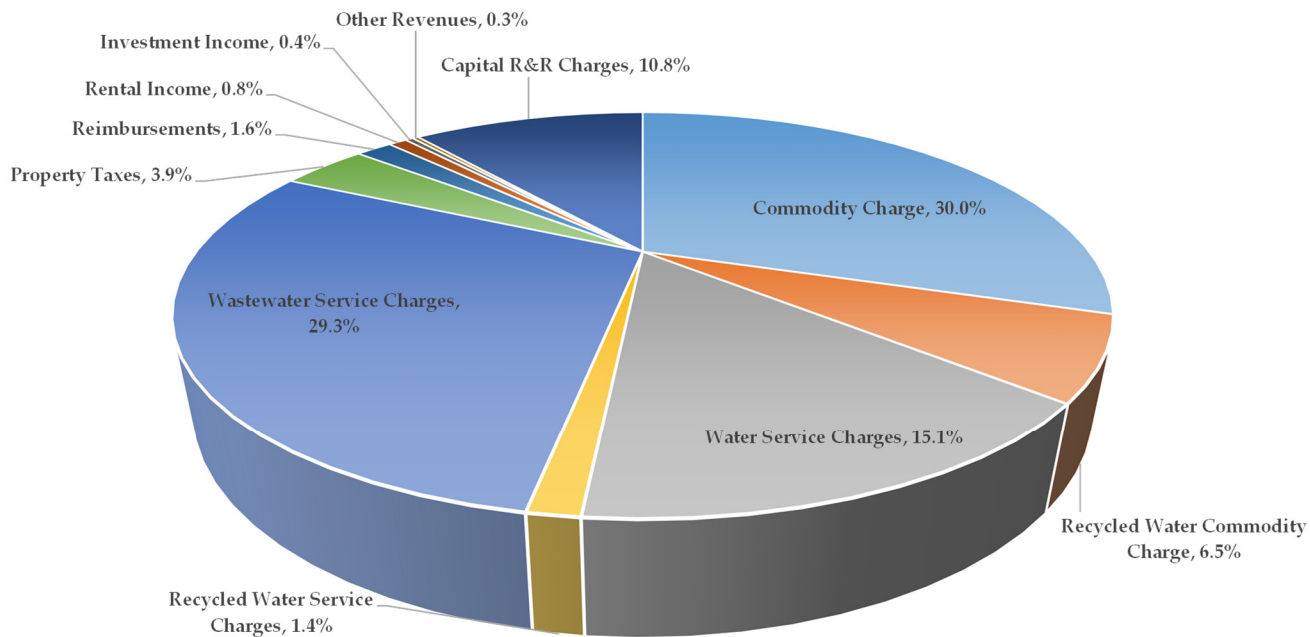
Total revenues are estimated to equal \$28,894,746 for the 2021-2022 Budget, an increase of \$1,240,859 (4.49%) compared to 2020-2021 Budgeted Revenues of \$27,653,887. The largest sources of revenue for the District in 2021-2022 include Usage (Commodity) Charges at \$11,054,586 (38.3% of the total), Service Charges (or Readiness to Serve) at \$12,854,567 (44.5% of the total) and Capital Replacement & Refurbishment Charges at \$3,025,468 (10.5% of the total). Amongst the three enterprise operations of the District, the Water Enterprise receives 56.3% of total revenues (projected at \$16,267,462 in 2021-2022), the Wastewater Enterprise receives 34.4% of total revenues (\$9,939,037), and the Recycled Water Enterprise receives 9.3% (\$2,688,247) of total revenues.

Table 2. Revenues, 2017-2018 Actual to 2021-2022 Budget

	2017-2018 Actual	2018-2019 Actual	2019-2020 Actual	2020-2021 Budget	2020-2021 YTD Actual	2020-2021 Projected Actual	2021-2022 Budget
Operating Revenues							
Usage Charges							
Water Commodity	9,459,453	8,474,791	8,705,988	8,904,396	5,212,565	8,893,620	9,243,364
Recycled Water Commodity	1,614,242	1,309,055	1,355,119	1,663,847	1,016,289	1,557,489	1,811,222
Service Charges (Readiness to Serve)							
Water Services	3,040,449	3,339,049	3,695,636	3,824,187	1,862,422	3,795,854	4,229,130
Wastewater Services	7,547,171	7,698,022	7,705,617	7,775,000	3,833,491	7,608,891	8,237,537
Recycled Water Services	205,014	226,645	258,409	336,207	144,736	305,698	387,900
Reimbursements from Others	403,445	383,811	328,310	421,750	202,400	420,150	460,125
Other Operating Revenues	171,198	226,550	141,081	55,000	8,574	79,924	55,000
Capital Replacement Charges							
Water Capital Charges	1,285,005	1,284,019	1,281,976	1,254,000	634,431	1,268,862	1,259,968
Wastewater Capital Charges	1,603,085	1,605,319	1,606,851	1,614,000	803,127	1,606,254	1,614,000
Recycled Water Capital Charges	116,197	116,197	118,345	147,000	65,120	130,240	151,500
Total Operating Revenues	25,445,259	24,663,458	25,197,332	25,995,387	13,783,155	25,666,982	27,449,746
Non-operating Revenues							
Property Taxes	927,673	1,012,576	1,037,335	1,053,500	542,167	1,086,667	1,090,000
Rental Income	188,183	204,160	242,187	235,000	106,045	219,607	235,000
Investment Income	124,000	500,786	424,110	350,000	45,824	61,224	100,000
Other Non-operating Income	59,653	910,351	40,917	20,000	4,811	10,811	20,000
Total Non-operating Revenues	1,299,509	2,627,873	1,744,549	1,658,500	698,847	1,378,309	1,445,000
Capital Contributions	45,853	1,985,903	2,895	-	-	-	-
Total Revenue	26,790,622	29,277,234	26,944,776	27,653,887	14,482,002	27,045,291	28,894,746
Allocation of Revenues							
Water Operations	12,716,176	12,504,003	12,972,978	13,245,474	6,898,785	13,001,209	13,592,961
Wastewater Operations	8,148,156	9,393,857	8,497,372	8,472,110	4,145,023	8,248,798	8,826,437
Recycled Water Operations	2,173,470	1,859,856	1,924,640	2,381,584	1,395,798	2,250,210	2,623,947
Restricted Revenues	702,680	528,079	539,719	539,719	539,719	539,719	825,933
Capital Charges	3,004,287	3,005,535	3,007,172	3,015,000	1,502,678	3,005,356	3,025,468
Total Revenues	26,744,768	27,291,331	26,941,881	27,653,887	14,482,002	27,045,291	28,894,746

Presented in Chart 1 below are all of the major revenue categories for the District. As shown in the chart, the four largest categories of revenue comprise 85.2% of the District's total revenues.

Chart 1. Distribution of Revenues in 2021-2022 Budget



Total Revenues - \$28,894,746

Analysis of District Expenses

Total budgeted Operating and Non-operating expenses for the 2021-2022 Budget year equal \$28,755,267, an increase of \$330,996 (1.16%) from 2020-2021 budgeted expenses of \$28,424,271. Operating expenses are budgeted at \$28,037,267, comprising 97.5% of total expenses, and increase by \$369,645 (1.34%) from 2020-2021 budgeted expenses. Non-operating expenses equal \$718,000, or 2.5% of total expenses, and decrease \$38,649 (-5.1%) from 2020-2021 budgeted expenses of \$756,649.

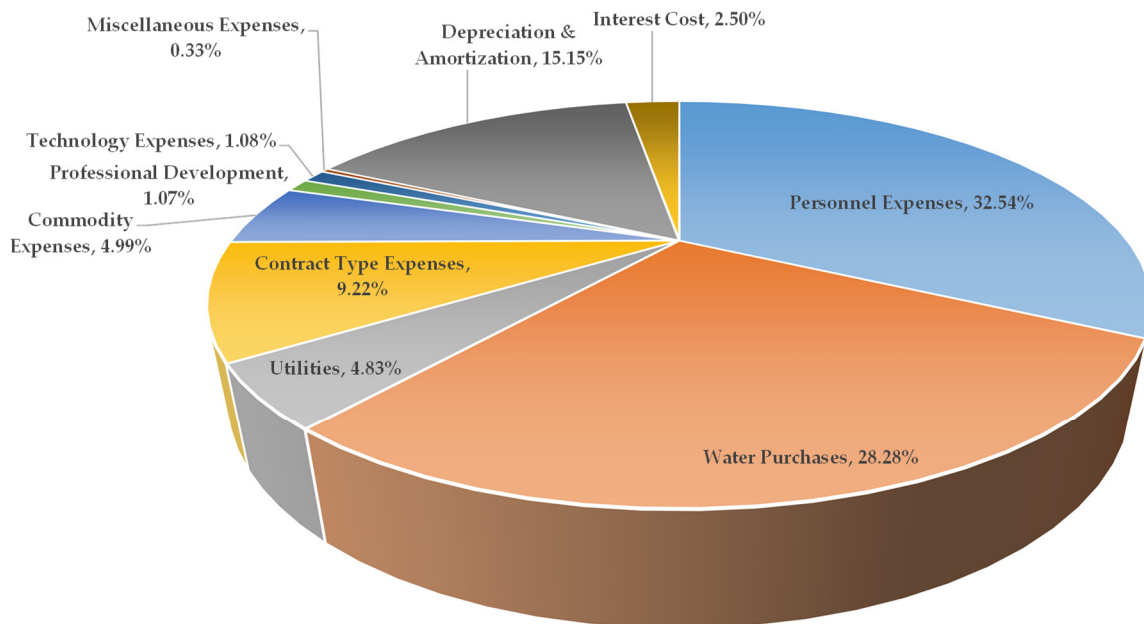
Table 3. Operating Expenses, 2017-2018 Actual to 2021-2022 Budget							
	2017-2018	2018-2019	2019-2020	2020-2021	2020-2021	2020-2021	2021-2022
	Actual	Actual	Actual	Budget	YTD Actual	Projected Actual	Budget
Operating Expenses							
Source of Supply	8,294,019	7,649,268	8,088,427	8,023,991	4,410,609	8,100,690	8,390,867
Pumping							
Water	831,989	878,692	788,792	263,623	434,525	804,963	766,800
Wastewater	623,764	600,456	570,331	305,835	264,105	534,492	893,100
Treatment							
Water	60,453	52,942	56,096	35,341	23,360	44,149	39,500
Wastewater	3,120,698	3,335,896	3,333,371	1,874,459	1,790,439	3,483,349	3,628,000
Recycled Water	413,220	358,693	374,992	285,500	193,014	327,800	531,600
Transmission & Distribution							
Water	2,053,805	2,000,252	2,146,755	565,547	808,682	2,330,240	1,782,200
Wastewater	771,717	807,325	647,858	187,975	384,197	729,605	902,700
Recycled Water	4,850	3,157	-	6,000	1,775	1,775	98,400
Operations Support	1,853,404	1,347,012	1,982,334	334,913	1,143,679	2,319,701	1,442,700
Fleet Services	360,116	403,377	398,463	8,875,072	196,339	196,339	417,900
Customer Service	686,217	720,714	603,474	-	296,512	568,748	346,100
General & Administrative	3,672,449	4,304,621	4,506,106	2,002,516	1,484,493	2,954,515	4,440,500
Depreciation & Amortization	4,350,053	4,466,431	4,483,605	4,906,850	2,153,133	4,306,266	4,356,900
Total Operating Expenses	27,096,754	26,928,836	27,980,602	27,667,622	13,584,862	26,702,631	28,037,267
Non-operating Expenses							
Interest Cost	790,753	753,794	777,511	756,649	378,324	756,324	718,000
Total Non-operating Expenses	790,753	753,794	777,511	756,649	378,324	756,324	718,000
Total Expenses	27,887,507	27,682,630	28,758,113	28,424,271	13,963,186	27,458,955	28,755,267
Allocation of Expenses							
Water System	13,379,061	12,643,328	13,450,460	13,251,403	6,806,551	13,079,104	13,757,827
Wastewater System	7,826,885	7,841,026	7,683,293	8,045,735	3,918,441	7,939,264	8,377,888
Recycled Water System	1,100,198	1,064,799	912,767	1,168,989	568,565	1,099,340	1,219,652
OPEB & Retiree Health Expenses	440,556	913,252	1,450,477	294,645	138,171	278,656	325,000
Depreciation & Amortization	4,350,053	4,466,431	4,483,605	4,906,850	2,153,133	4,306,266	4,356,900
Interest Expense	790,753	753,794	777,511	756,649	378,324	756,324	718,000
Total Expenses	27,887,506	27,682,630	28,758,114	28,424,271	13,963,186	27,458,954	28,755,267

The majority of expenses (47.8%) are incurred by the Water System, primarily because the purchase of potable water is allocated to this area. The Wastewater System incurs the second highest level of expenses (29.1%) followed by Depreciation & Amortization (15.2%) and then the Recycled Water System (4.2%).

Another way to analyze the District’s expenses is by type of expenses. Table 4 and Chart 2 below show the District’s expenses by type of expense. As illustrated by these charts, the largest expenses for the District include Personnel, the purchase of the water which is sold to the District’s customers, Depreciation & Amortization, and Contract type expenses. Combined, these four types of expenses comprise 85% of the District’s total expenses.

Table 4. Operating Expenses by Type of Expense, 2017-2018 Actual to 2021-2022 Budget							
	2017-2018	2018-2019	2019-2020	2020-2021	2020-2021	2020-2021	2021-2022
	Actual	Actual	Actual	Budget	YTD Actual	Projected Actual	Budget
Expenses by Category							
Personnel	8,400,881	9,037,136	9,803,580	8,884,042	4,190,264	8,762,978	9,357,900
Water Purchases	8,049,610	7,446,375	7,868,488	7,878,746	4,349,059	7,912,945	8,131,517
Utilities	1,159,225	1,188,169	1,254,710	1,265,710	720,033	1,331,860	1,390,100
Contract Expenses	3,103,983	2,643,400	2,652,838	2,585,933	1,318,583	2,630,111	2,650,600
Commodities	1,397,701	1,439,086	1,301,109	1,433,801	590,660	1,186,796	1,436,150
Professional Development	294,585	307,761	304,200	329,940	117,319	247,919	308,000
Technology Expenses	267,006	273,682	241,670	256,000	106,815	237,415	310,000
Miscellaneous Expenses	73,709	126,796	70,402	126,600	38,996	86,341	96,100
Depreciation & Amortization	4,350,053	4,466,431	4,483,605	4,906,850	2,153,133	4,306,266	4,356,900
Interest Costs	790,753	753,794	777,511	756,649	378,324	756,324	718,000
Total Expenses	27,887,506	27,682,630	28,758,113	28,424,271	13,963,186	27,458,955	28,755,267

Chart 2. Distribution of Expenses in 2021-2022 Budget



Total Expenses - \$28,755,267

Projected Statement of Revenues, Expenses, and Changes in Net Position

Portrayed in Table 5 is the projected Statement of the Revenues, Expenses, and Changes in Net Position for the District assuming the 2021-2022 budget occurs as planned. The chart also includes Statements from prior years to serve as a comparison for the proposed 2021-2022 Budget.

Table 5. Statements of Revenues, Expenses, and Changes in Net Position							
	2017-2018	2018-2019	2019-2020	2020-2021	2020-2021	2020-2021	2021-2022
	Actual	Actual	Actual	Budget	YTD Actual	Projected Actual	Proposed Budget
Operating Revenues							
Water Commodity Charges	9,459,453	8,474,791	8,705,988	8,904,396	5,212,565	8,893,620	9,243,364
Water Service Charges	4,325,454	4,623,068	4,977,612	5,078,187	2,496,853	5,064,716	5,489,098
Sewer Service Charges	9,150,257	9,303,342	9,312,469	9,389,001	4,636,619	9,215,146	9,851,537
Recycled Commodity Charges	1,614,242	1,309,055	1,355,119	1,663,847	1,016,289	1,557,489	1,811,222
Recycled Service Charges	321,211	342,842	376,754	483,207	209,856	435,938	539,400
Reimbursement from Others	403,445	383,811	328,310	421,750	202,400	420,150	460,125
Other Charges for Service	171,199	226,551	141,082	55,001	8,575	79,925	55,000
Total Operating Revenues	25,445,261	24,663,457	25,197,330	25,995,389	13,783,157	25,666,984	27,449,746
Operating Expenses							
Source of Supply	8,294,019	7,649,268	8,088,427	8,023,991	4,410,609	8,100,690	8,390,867
Pumping	1,455,753	1,479,148	1,359,123	569,458	698,630	1,339,455	1,659,900
Treatment	3,594,371	3,747,531	3,764,459	2,195,300	2,006,813	3,855,298	4,199,100
Transmission & Distribution	5,043,892	4,561,123	5,175,409	9,969,507	2,534,672	5,577,660	4,643,900
Customer Service	686,217	720,714	603,474	-	296,512	568,748	346,100
General & Administrative	3,672,449	4,304,621	4,506,106	2,002,516	1,484,493	2,954,515	4,440,500
Depreciation & Amortization	4,350,053	4,466,431	4,483,605	4,906,850	2,153,133	4,306,266	4,356,900
Total Operating Expenses	27,096,755	26,928,835	27,980,606	27,667,622	13,584,862	26,702,631	28,037,267
Operating Income/(Loss)	(1,651,494)	(2,265,378)	(2,783,276)	(1,672,233)	198,295	(1,035,647)	(587,521)
Non-operating Revenues							
Property Taxes	927,673	1,012,576	1,037,335	1,053,500	542,167	1,086,667	1,090,000
Rental Revenue	188,183	204,160	242,187	235,000	106,045	219,607	235,000
Investment Earnings	124,000	500,786	424,110	350,000	45,824	61,224	100,000
Other Non-Operating Revenue	59,653	910,351	40,917	20,000	4,811	10,811	20,000
Interest Expense	(790,753)	(753,794)	(777,511)	(756,649)	(378,324)	(756,324)	(718,000)
Net Non-Operating Revenues	508,756	1,874,079	967,038	901,851	320,523	621,985	727,000
Income/(Loss) before Capital Contributions	(1,142,738)	(391,299)	(1,816,238)	(770,382)	518,818	(413,662)	139,479
Capital Contributions							
Capital Grants	45,853	1,985,903	2,894	-	-	-	-
Total Capital Contributions	45,853	1,985,903	2,894	-	-	-	-
Change in Net Position	(1,096,884)	1,594,604	(1,813,344)	(770,382)	518,818	(413,662)	139,479
Net Position - July 1	63,817,614	62,958,444	64,553,048	62,739,703	62,739,703	62,739,703	62,326,041
Net Position - June 30	62,720,730	64,553,048	62,739,703	61,969,321	63,258,522	62,326,041	62,465,520

As a result of Depreciation & Amortization, operating expenses of \$28,037,267 will exceed operating revenues of \$27,449,746 by \$587,521. Non-operating revenues will exceed non-operating expenses by \$727,000, thereby producing Income before Capital Contributions of \$139,479. No Capital Contributions are included in the budget and therefore the Change in Net Position is also projected to equal \$139,479. The ending Net Position will increase to \$62,465,520 at the end of the 2021-2022 budget year.

2021-2022 Personnel Summary

The 2021-2022 budget authorizes 61 Full-Time Equivalent (FTE) employees which has not changed in since the 2017-2018 Budget. The chart below summarizes the number of Board authorized FTE employees by Department since the 2017-2018 fiscal year.

Table 6. Summary of Authorized Positions by Department							
	2017-2018	2018-2019	2019-2020	2020-2021	2020-2021	2020-2021	2021-2022
	Actual	Actual	Actual	Budget	YTD Actual	Projected Actual	Proposed Budget
Employees by Department							
Administration	5	5	5	5	5	5	5
Information Technology	1	1	1	1	1	1	1
Accounting	4	4	4	4	4	4	4
Purchasing/Receiving	1	1	1	1	1	1	1
Customer Service - Office	4	4	4	4	4	4	4
Customer Service - Field	3	3	3	3	3	3	3
Engineering	5	5	5	5	5	5	5
Operations Support	2	2	2	2	2	2	2
Transmission & Distribution	9	9	9	9	9	9	9
Pump Maintenance	8	8	8	8	8	8	8
Treatment Plant	10	10	10	10	10	10	10
Electrical	2	2	2	2	2	2	2
Collections & Transmissions	6	6	6	6	6	6	6
Fleet Maintenance	1	1	1	1	1	1	1
Total Employees	61	61	61	61	61	61	61

PROFILE OF THE EL TORO WATER DISTRICT

History of the El Toro Water District

The Founding of El Toro Water District

On August 12, 1959, a group of local landowners gathered around the kitchen table of Raymond Prothero, Sr., at 23572 South Prothero Drive in the community of El Toro (known today as Cornelius Drive in the city of Lake Forest) to discuss their concerns about the water supply. Water for both agricultural and domestic use was pumped from wells, and landowners feared that the existing supply would not support an increased population or an expanded agricultural area. They wanted to find a more reliable, predictable source of water.

One year later, in September 1960, the El Toro Water District (ETWD) was formed as a special district under the laws applicable to California water districts (Sections 34000 Et Seq of the Water Code of the State of California). Governed by a seven-member Board of Directors elected by landowners, the District's charge was to develop and implement policies that would meet the short and long range economic, water resource and environmental goals of the community. While the immediate need was to provide for its customers, ETWD had the wisdom and foresight to consider the greater Orange County area in their planning as well.

At the time of its inception, the total population of the District was only 125 people, and it encompassed 4,750 acres. Of that, 750 acres were devoted to citrus groves and other agricultural uses.

Expansion Includes Aqueduct, Water Recycling Plant and El Toro Reservoir

Shortly after formation, District leadership began to prepare for the anticipated growth of south Orange County. Given the lack of sustainable groundwater, ETWD knew they would have to maintain a critical dependence on imported water that originated hundreds of miles away. ETWD became a constituent agency of the Municipal Water District of Orange County (MWDOC), which entitled the district to receive imported water from the Colorado River and Northern California.

In addition, ETWD joined with a neighboring water district to form the Santiago Aqueduct Commission in order to secure imported water from the Colorado River. The commission obtained permission from the water supplier, Metropolitan Water District of Southern California, to build an aqueduct. The aqueduct would carry water from a pipeline adjacent to Irvine Park to the El Toro community. In 1961, exercising tremendous foresight and good planning, ETWD authorized a bond issue of \$1.9 million to finance its share of the construction costs for the aqueduct, a water filtration plant, a 232 mg reservoir, and expansion of the distribution system within the District.

ETWD established itself as a water-recycling pioneer in 1963 with the completion of the Water Recycling Treatment Plant in Laguna Woods. The plant was designed to treat approximately 1.5 million gallons of domestic wastewater each day. A small laboratory was situated inside the plant to analyze wastewater operations.

Leisure World

In 1963, Ross Cortese, president of the Rossmoor Corporation, identified about 3,500 acres of the Moulton Ranch to fulfill his vision to build a retirement community and call it Leisure World. Except for scattered dwellings and barns, the ranch was devoted largely to dry farming and cattle grazing. Those who lived in the homes on the ranch relied on water from deep wells and cesspools for sanitation. If Leisure World was to become a reality, Cortese knew he had to meet the requirements for water and sanitation.

Initially, the ETWD Directors, who were also ranchers, didn't share Cortese's vision for a large residential development. However, by January 1963 the Directors changed their minds when they learned that bond programs to bring MWD water into the area had boosted property tax bills to about \$18 for each \$100 assessed valuation – far higher than citrus growers or cattle ranchers could afford to pay.

ETWD and Rossmoor agreed that the District would continue to serve the ranchers by providing irrigation service for agriculture. Since ETWD was not interested in providing domestic water service, the Rossmoor Water Company was formed to serve domestic customers.

El Toro Reservoir

In 1967 the construction of the 233-million gallon El Toro Reservoir was completed. The reservoir served many important needs, including meeting high water demand during hot summer days and wildfires, and emergency backup in the event of a pipeline break or other interruptions in water supplies. ETWD established a policy to maintain a 14-day emergency storage reserve to meet customer demands and fire flow requirements.

Constructing a Regional Sewer System

By 1970 the need for a regional sewer system to dispose of treated effluent to the ocean was becoming increasingly evident. Around the same time, the California Clean Water Program was enacted which allowed certain public agencies to be eligible for joint federal-state construction grants.

Laguna Hills Sanitation, Inc., had been disposing of its treated effluent by irrigating the Leisure World golf course and by spraying vacant land. This latter option was becoming increasingly difficult as the amount of vacant land decreased. Unfortunately since Laguna Hills Sanitation, Inc. was a private corporation, it was ineligible for federal-state grants to provide other methods of effluent disposal. In 1972, the District joined five other public water districts and the City of Laguna Beach to form the Aliso Water Management Agency (AWMA). ETWD believed that it was in the best interest of the community to form a partnership to build a sewage sludge treatment and disposal facility.

Approximately three years later ETWD sold \$6.14 million of wastewater bonds to finance the District's share of the AWMA Regional Treatment Plant and an ocean outfall system. The AWMA Regional Treatment Plant is located near the Laguna Niguel Regional Park (currently known as the South Orange County Wastewater Authority, SOCWA). The Aliso Creek Ocean Outfall is located in Laguna Beach. The construction of the plant was complete in 1982.

The Transition from Wholesale to Retail

The Laguna Hills Utility Company, the parent company of the operating utilities, Laguna Hills Water Company (LHWC) and Laguna Hills Sanitation, Inc. (LHSI) approached the ETWD Board of Directors in August 1982 with a proposal that ETWD acquire the utility operations of LHWC and LHSI. If approved, this acquisition would transform ETWD from a water wholesaler to a retail water company. The Board of Directors carefully considered the proposal. They concluded that the residents of the District would benefit from this transition, providing that the assets of the utilities could be acquired at a fair price.

On September 12, 1983, ETWD signed the agreement to purchase both Laguna Hills Water Company and Laguna Hills Sanitation, Inc. for a sum of \$10.5 million. The amount would be paid with interest, in installments over a 30-year period. After approximately 24 years, ETWD had become a fully integrated water, sewer and recycled water retail operation.

Water Recycling Pioneer

After three decades of service, and multiple expansion projects, portions of the Water Recycling Plant had reached the end of its useful life. ETWD embarked on a reconstruction and replacement project. The new plant was completed in 1998 at a cost of nearly \$14,000,000. The reconstruction project renewed the useful life of the plant for another 30 years and brought ETWD into compliance with applicable regulatory and environmental requirements. A new expanded laboratory was now equipped to perform sophisticated analysis of wastewater and drinking water, and the overall capacity of the plant increased to 6 million gallons per day. In 1999 the Water Recycling Plant was recognized by the industry as “Plant of the Year.”

Expansion Continues at El Toro Reservoir

In an effort to expand emergency storage in south Orange County and reduce operating cost for ETWD, the District entered into an agreement in 2002 with neighboring water districts for joint use of the El Toro Reservoir. ETWD began a four phase project to expand the El Toro Reservoir capacity to 275 million gallons and enhance the ability of ETWD and neighboring agencies to meet their emergency storage requirements. By increasing the capacity by 52 million gallons, the enlarged reservoir would provide 124.5 million gallons to ETWD, 137.5 million gallons to Santa Margarita Water District and 13 million gallons to Moulton Niguel Water District. The expanded reservoir would serve more than 300,000 customers in the cities of Laguna Woods, Laguna Hills, Lake Forest, Mission Viejo, Aliso Viejo, Laguna Niguel, Dana Point, Rancho Santa Margarita, Ladera Ranch, Las Flores, San Juan Capistrano and San Clemente. The total water surface area expanded to approximately 20 acres.

In addition to laying 4,500 feet of pipeline to allow increased water use by the three partner agencies at once, the reservoir was enlarged to increase supply for regional use. The final phase of the project was to add a new floating cover and liner to the reservoir. The cover continues to assist ETWD in preserving the quality of the imported supply.

Recycled Water Expansion Project

In 2012, the District began a comprehensive multi-phase Recycled Water Expansion Project that significantly increased the amount of recycled water produced for local irrigation. The project was completed in 2016 and greatly expanded the District’s ability to produce recycled water. By undertaking this project, the District saves precious imported drinking water (potable) for household consumption and sanitary uses.

The project constructed tertiary treatment facilities at the existing Water Recycling Plant to increase the treatment and delivery of recycled water for irrigation to approximately 1,400 acre feet per year. That’s the equivalent of covering the entire footprint of Laguna Woods Village with five inches of water or filling Angel Stadium nineteen times. Simultaneously, the District built a new recycled water distribution system for irrigation. Approximately 100,000 feet or 19 miles of recycled water pipeline was constructed beneath the roadways in portions of Laguna Woods and the northwest corner of Laguna Hills. This new distribution system is completely separate from the drinking water distribution system and used for irrigation only. In 2018 the District completed construction of the Phase II Recycled Water Distribution System Expansion Project which added another 5 miles of recycled water pipeline to serve additional users in the community of Laguna Woods.

The recycled water projects improve the environment by reserving drinking water resources for use inside homes and businesses, and provides environmentally responsible recycled water for outdoor use. The tertiary treatment facilities at the Water Recycling Plant produce a higher quality of treated water, diminish the amount of treated water discharged into the ocean and help to reduce the greenhouse gases that results from pumping imported water into the region.

Location and Service Area Information

The El Toro Water District is located in Southern Orange County, approximately 45 miles South of downtown Los Angeles. The District encompasses the entirety of the City of Laguna Woods, and portions of the Cities of Aliso Viejo, Laguna Hills, Lake Forest, and Mission Viejo. The total service area of the District is approximately 5,430 acres or the equivalent of 8.5 square miles. Interstate 5 bisects the District with approximately half of the District’s service area on each side of the Interstate.

Population Information

The District’s population has increased slightly since 2010, with a total increase from 2010 to 2020 of approximately 104 residents, or 0.22%, to a total of 47,911 residents.

Table 7. Population Data					
	1990	2000	2010	2020	% Change 2010 - 2020
El Toro Water District	43,786	49,796	47,807	47,911	0.22%
Orange County	2,410,556	2,846,289	3,010,232	3,175,692	5.21%
State of California	29,760,021	33,871,648	37,253,956	39,512,223	5.72%

Source: U.S. Census Bureau; California State Department of Finance; Center for Demographic Research, CSUF

According to the 2015 – 2019 American Community Survey five year estimate, the largest portion of the District’s population included Caucasians who were not of Hispanic or Latino ethnicity (66.97%). The next largest racial group in the community were Asian-Americans who comprised 19.49% of the total population followed by persons who were multi-racial at 11.37% of the population. Overall, there were more females than males residing in the District’s service area. The median age of the population within the District’s service area was 52.4 years, with a large component of the population over the age of 65 due to the presence of Laguna Woods Village, a senior living community, in the District service area.

Table 8. Population Characteristics					
	Number	Percent		Number	Percent
Gender			Household Information		
Male	21,881	45.67%	Family Households	13,177	53.57%
Female	26,030	54.33%	Non-Family Households	11,423	46.43%
Total	47,911		Total Households	24,600	
Racial Composition			Age Groups		
White	32,086	66.97%	0 to 19	7,733	16.14%
African-American	656	1.37%	20 to 34	7,603	15.87%
American Indian/Alaska Native	216	0.45%	35 to 59	12,447	25.98%
Asian or Pacific Islander	9,338	19.49%	60 to 74	10,387	21.68%
Other/More than One Race	5,615	11.73%	75+	9,740	20.34%
Total Population	47,911		Total Population	47,911	
Hispanic/Latino Origin	9,285	19.38%	Median Age*	52.4	

Source: U.S. Census Bureau American Community Survey 2015-2019 5-Year estimates, Tables B01001, B11001, B03002

*Interpolated value

The economic characteristics of District residents tend to be less than similar data for the general population of Orange County or the State of California. This is primarily the result of the inclusion of Laguna Woods within the service area of the District, since most residents in Laguna Woods are retired and do not have salary income. The District’s Median Housing Value, Per Capita Income, and Median Household Income are all less than the values for Orange County or the State of California. Only the Median Gross Rent is more than the values for the County or State. The District’s economic indicators have improved in each of the last four American Community Survey periods, as indicated by the “Comparison of Economic Characteristics” table below which includes data from the 2012-2016 American Community Survey (ACS) to the 2015-2019 ACS.

Table 9. Comparison of Economic Characteristics of District Residents				
	Median Gross Rent*	Median Housing Value*	Per Capita Income*	Median Household Income*
El Toro Water District	\$2,060	\$430,793	\$36,549	\$67,605
Orange County	1,929	725,100	\$41,514	\$90,234
State of California	1,614	523,000	\$36,955	\$75,235
Change in Economic Characteristics				
ACS Years 2012-2016	\$1,753	\$321,335	\$32,539	\$57,156
ACS Years 2013-2017	\$1,856	\$355,093	\$33,513	\$60,390
ACS Years 2014-2018	\$1,959	\$410,421	\$34,849	\$63,762
ACS Years 2015-2019	\$2,060	\$430,793	\$36,549	\$67,605

Source: U.S. Census Bureau American Community Survey 2015-2019 5-Year estimates, Tables B19001, B25063, B25064
 *Interpolated value

Educational, Employment, and Income Information

The 2015 – 2019 American Community Survey reported that approximately 46% of District residents age 25 or older have attained a bachelors or graduate degree, including approximately 17% who have a graduate or professional degree. This is much higher than California or national averages (34% and 32.2%, respectively). Another 30% of residents who are age 25 or older have attended some college or attained an Associate’s degree. An estimated 92% of District residents age 25 or older have their high school diploma (or equivalent); this is also much higher than the State or National average (83.4% and 88.1% respectively).

Table 10. Education for Residents Age 25 or Older				
	El Toro Water District	Orange County	State of California	United States
Less than 9th grade	3.63%	7.90%	9.20%	5.10%
9 th to 12 th grade, no diploma	4.52%	6.60%	7.50%	6.90%
High school graduate (includes equivalency)	16.07%	17.20%	20.50%	27.00%
Some college, no degree	20.86%	19.90%	21.10%	20.40%
Associate’s degree	9.12%	7.70%	7.80%	8.50%
Bachelor’s degree	28.82%	26.00%	21.20%	19.80%
Graduate or professional degree	16.97%	14.50%	12.80%	12.40%
Percent high school graduate or higher	91.84%	85.30%	83.40%	88.10%
Percent bachelor’s degree or higher	45.79%	40.50%	34.00%	32.20%

Source: U.S. Census Bureau American Community Survey 2015-2019 5-Year estimates, Table B15003

The majority of District residents who are employed work in professional or service occupations, as illustrated in the Occupations table below.

Table 11. Occupations				
	El Toro Water District	Orange County	State of California	United States
Agriculture, forestry, fishing and hunting and mining	0.62%	0.75%	2.14%	1.80%
Construction	3.37%	6.61%	6.75%	6.60%
Manufacturing	9.88%	11.19%	8.71%	10.10%
Wholesale Trade	3.07%	3.41%	2.71%	2.60%
Retail Trade	12.62%	10.21%	10.16%	11.20%
Transportation and warehousing, and utilities	3.12%	3.83%	5.71%	5.40%
Information	2.28%	1.85%	2.84%	2.00%
Finance and insurance, and real estate and rental and leasing	11.20%	8.49%	5.83%	6.60%
Professional, scientific, and management, and administrative and waste management services	15.50%	14.15%	14.15%	11.60%
Educational services, and health care and social assistance	20.93%	20.56%	21.16%	23.10%
Arts, entertainment, and recreation, and accommodation and food services	9.64%	10.65%	10.31%	9.70%
Other Services, except public administration	5.31%	5.28%	5.04%	4.90%
Public administration	2.46%	3.00%	4.49%	4.60%

Source: U.S. Census Bureau American Community Survey 2015-2019 5-Year estimates, Table C24030

Due to the composition of the population within the District’s service area, the workforce participation tends to be much lower than the averages for the County, State, or Nation. This is to be expected since Laguna Woods comprises approximately 40% of the population in the District’s service area and almost all of the residents of that community are retired. For the portion of the population in the District’s service are who do participate in the workforce, the unemployment rate has averaged slightly higher than the averages for Orange County or the United States but slightly lower than the average for California.

Table 12. Unemployment & Workforce Participation Rate Comparison					
	2015 5-Year ACS	2016 5-Year ACS	2017 5-Year ACS	2018 5-Year ACS	2019 5-Year ACS
Unemployment Rate					
El Toro Water District	6.0%	5.1%	4.6%	4.2%	4.0%
Orange County	5.0%	4.4%	3.8%	3.3%	3.0%
State of California	6.2%	5.5%	4.8%	4.2%	3.8%
United States	5.2%	4.7%	4.1%	3.7%	3.4%
Workforce Participation Rate					
El Toro Water District	52.0%	52.2%	52.4%	52.8%	53.1%
Orange County	66.0%	65.9%	65.7%	65.6%	65.6%
State of California	63.6%	63.4%	63.5%	63.5%	63.7%
United States	63.3%	63.5%	63.4%	62.9%	63.4%

Source: U.S. Census Bureau, 5-Year American Community Survey Estimates, Table B23025

The composition of the population within the District service area also impacts the estimated household income within the District’s service area. According to the 2015 – 2019 American Community Survey, the median household income in the District was \$67,605, \$7,630 (10.14%) less than the median for California but \$4,762 (7.58%) higher than the national median. An estimated 10.27% of District households have incomes that exceeds \$200,000 per year; in comparison only 7.7% of United States households had this level of income in the 2015-2019 American Community Survey.

Table 13. Household Income				
	El Toro Water District*	Orange County	State of California	United States
Under \$10,000	6.43%	4.20%	4.80%	6.00%
\$10,000 to \$14,999	3.73%	2.70%	4.10%	4.30%
\$15,000 to \$24,999	9.14%	5.60%	7.50%	8.90%
\$25,000 to \$34,999	7.32%	6.00%	7.50%	8.90%
\$35,000 to \$49,999	11.82%	8.80%	10.50%	1.30%
\$50,000 to \$74,999	16.42%	14.60%	15.50%	17.20%
\$75,000 to \$99,999	11.71%	12.80%	12.40%	12.70%
\$100,000 to \$149,999	14.83%	18.60%	16.60%	15.10%
\$150,000 to \$199,999	8.33%	11.10%	8.90%	6.80%
\$200,000 or more	10.27%	15.50%	12.20%	7.70%
Median Household Income*	\$67,605	\$90,234	\$75,235	\$62,843
Mean Household Income*	\$84,000	\$122,488	\$106,916	\$88,607
Per Capita Income*	\$36,549	\$41,514	\$36,955	\$34,103

Source: U.S. Census Bureau American Community Survey 2015-2019 5-Year estimates, Table B19001
*Interpolated value

Summary of the District

The District supplies residents with potable water, recycled water for irrigation purposes, and provides wastewater collection and treatment services. Information about District and its services can be found below.

General Information	
Date of Original Incorporation	September, 1960
Date of Integration into Retail Utility Operation	September 12, 1983
Form of Government	California Special District

Location and Size Information	
Geographic Location	45 Miles South of Downtown Los Angeles
Total Area of Incorporation	8.5 square miles

Facility Information	
Main Office and Warehouse Complex	1
Wastewater Treatment Plants	1
Water Reservoirs	6
Water Pump Stations	8
Wastewater Lift Stations	11

Enterprise Statistics	
Water System	
Miles of Water Main	170
Service Connections	9,965
Annual Potable Water Imports (MG*)	2,371
Sewer System	
Miles of Wastewater Collection Main	114
Service Connections	9,965
Annual Treated Sewage (MG*)	1,332
Recycled Water System	
Miles of Recycled Water Main	26
Service Connections	275
Annual Recycled Water Production (MG*)	463.89

*Millions of Gallons

WATER SYSTEM

The mission of the Water Enterprise is to deliver potable water to customers for use in their daily living and for irrigation purposes. The Water Enterprise accomplishes this mission by procuring treated water directly from the Municipal Water District of Orange County (MWDOC) through the Allen-McCulloch Pipeline and by partnering with the Irvine Ranch Water District in the Baker Water Treatment Plant which procures untreated water from MWDOC, treats the water, and distributes it to the participating agencies. Potable water is distributed to District customers through significant infrastructure assets that the District has invested in over many years, including the R6 Reservoir, 5 other smaller water reservoirs or storage facilities, 8 water pump stations, 170 miles of water main, and approximately 9,500 water service lines.

Budget Analysis

As illustrated in Table 13 on the following page, expenses in the 2021-2022 Budget equal \$13,757,827, an increase of \$506,424 or 3.8% from the \$13,251,403 in expenses included in the 2020-2021 Budget. Revenues attributed to the Water System are projected to equal \$13,792,961 in the 2021-2022 Budget, an increase of \$447,487 or 3.4% from the \$13,345,474 in revenues included in the 2020-2021 Budget. As a result of the revenues and expenses included in the 2021-2022 Budget, the Water Enterprise is projected to make a positive contribution of \$35,134 to the Change in Net Position for the District in 2021-2022.

The major expenses for the Water System budget include purchasing the potable water that is distributed to customers, compensating the portion of the District's workforce allocated to the Water System, and operating and maintaining the water distribution system. Combined, these three expenses comprise 90.6% of the total expenses of the Water Enterprise in the 2021-2022 Budget.

Table 13. Water System Enterprise Financial Summary

	2017-2018	2018-2019	2019-2020	2020-2021	2020-2021	2020-2021	2021-2022
	Actual	Actual	Actual	Budget	YTD	Projected	Budget
Revenues							
Operating Revenues							
Commodity Charge (Unrestricted)	8,756,773	7,946,712	8,166,269	8,364,677	4,672,846	8,353,901	8,417,431
Service Charges (Readiness to Serve)	3,040,449	3,339,049	3,695,636	3,824,187	1,862,422	3,795,854	4,229,130
Restricted Revenues (Conservation)	100,000	100,000	100,000	100,000	50,000	100,000	200,000
Non-Operating Revenues							
Property Taxes	430,109	466,291	479,696	484,610	216,867	498,867	501,400
Site Leases	188,183	204,160	242,187	235,000	106,045	219,607	235,000
Reimbursements from Others	111,602	127,226	90,808	112,000	-	109,000	110,000
Other Income Sources	189,060	420,565	298,382	225,000	29,605	88,480	100,000
Total Revenues	12,816,176	12,604,003	13,072,978	13,345,474	6,937,785	13,165,709	13,792,961
Expenses							
Personnel Expenses	3,184,130	3,249,554	3,607,471	3,435,759	1,620,837	3,393,729	3,613,160
Source of Supply	8,200,224	7,563,680	7,996,623	8,001,449	4,378,081	8,030,582	8,259,767
Water Treatment	49,577	45,177	49,773	35,341	20,492	39,234	39,500
Pumping - Water	261,321	230,450	231,162	263,623	142,466	264,672	306,500
Transmission & Distribution - Water	611,578	623,322	563,020	563,547	190,653	514,810	592,300
Customer Accounts	51	-	-	-	-	-	4,000
Operations Support	296,519	97,581	136,685	133,165	76,375	123,353	97,280
Fleet Maintenance	95,563	109,144	116,116	114,270	51,819	51,819	102,560
Administration	81,419	76,362	96,039	82,320	52,119	95,359	83,280
Information Technology	106,803	108,210	104,680	102,400	42,726	94,966	124,000
Indirect Costs	491,876	539,847	548,892	519,529	230,983	470,580	535,480
Total Expenses	13,379,061	12,643,328	13,450,460	13,251,403	6,806,551	13,079,104	13,757,827
Contribution to Change in Net Position	(562,885)	(39,324)	(377,482)	94,071	131,233	86,605	35,134

1. This analysis is basically a water system cash flow analysis and therefore excludes Water Capital Charges, Depreciation, Amortization, OPEB expense, retiree health expense, and interest expense

WASTEWATER SYSTEM

The mission of the Wastewater System is to collect wastewater from District customers through service connections, transmit the wastewater to the Water Recycling Plant using lift stations and sewer mains, treat the wastewater, and then send the treated water to the recycled water treatment facilities or dispose of the remaining effluent or solids. To accomplish this mission, the Wastewater System has acquired and/or constructed significant infrastructure assets, including the Wastewater Treatment Plant, 11 wastewater lift stations, and 114 miles of sewer main. The Wastewater System treats a daily average of 3.7 million gallons of wastewater every day.

Budget Analysis

As illustrated in Table 14 below, expenses in the 2021-2022 Budget equal \$8,377,888, an increase of \$332,153 or 4.1% from the \$8,045,735 in expenses included in the 2020-2021 Budget. Revenues attributed to the Wastewater System are projected to equal \$8,826,437 in the 2021-2022 Budget, an increase of \$354,327 or 4.2% from the \$8,472,110 in revenues included in the 2020-2021 Budget. As a result of the revenues and expenses included in the 2021-2022 Budget, the Water Enterprise is projected to make a positive contribution of \$448,549 to the Change in Net Position for the District in 2021-2022.

Table 14. Wastewater System Financial Summary							
	2017-2018	2018-2019	2019-2020	2020-2021	2020-2021	2020-2021	2021-2022
	Actual	Actual	Actual	Budget	YTD Actual	Projected Actual	Proposed Budget
Revenues							
Operating Revenues							
Service Charges (Readiness to Serve)	7,547,171	7,698,022	7,705,617	7,775,000	3,833,491	7,608,891	8,237,537
Non-Operating Revenues							
Property Taxes	423,350	465,279	474,652	484,610	281,927	563,927	501,400
Other Income Sources	177,635	1,230,556	317,103	212,500	29,605	75,980	87,500
Total Revenues	8,148,156	9,393,857	8,497,372	8,472,110	4,145,023	8,248,798	8,826,437
Expenses							
Personnel Expenses	4,139,369	4,224,420	4,201,285	4,466,486	2,107,088	4,411,847	4,697,108
Treatment Plant	871,379	913,465	903,078	886,749	499,256	990,168	959,500
Outside Treatment	924,472	948,466	951,598	963,500	495,933	1,008,387	992,000
Pumping - Sewer	299,012	325,371	322,134	305,835	137,945	310,915	324,800
Transmission & Distribution - Sewer	198,819	218,817	128,725	185,975	87,989	131,045	179,100
Operations Support	385,475	126,855	160,420	173,115	99,288	160,359	126,464
Fleet Maintenance	124,231	141,887	136,278	148,551	67,365	67,365	133,328
Administration	105,844	99,271	112,715	107,016	67,755	123,967	108,264
Information Technology	138,843	140,673	122,857	133,120	55,544	123,456	161,200
Indirect Costs	639,439	701,802	644,204	675,388	300,277	611,753	696,124
Total Expenses	7,826,885	7,841,026	7,683,293	8,045,735	3,918,441	7,939,264	8,377,888
Contribution to Change in Net Position	321,271	1,552,831	814,079	426,375	226,581	309,534	448,549

The major expenses for the Wastewater System budget include compensating the portion of the District's workforce allocated to the Wastewater System, sending the remaining effluent and solids to the South Orange County Wastewater Authority for final treatment and disposal, and operating and maintaining the Wastewater Treatment Plant. Combined, these three expenses comprise 79.4% of the total expenses of the Wastewater System in the 2021-2022 Budget.

RECYCLED WATER SYSTEM

The mission of the Recycled Water System is to further treat pre-treated wastewater from the wastewater treatment process until the water meets regulatory standards so that it can be used for irrigation purposes and then to distribute the recycled water to customers to use in irrigation. To accomplish this mission, the Recycled Water System has acquired and/or constructed significant infrastructure assets, including Tertiary Water Treatment facilities and 25 miles of recycled water distribution main. The Recycled Water System produces a daily average of 1.3 million gallons every day.

Budget Analysis

As illustrated in Table 15 below, expenses in the 2021-2022 Budget equal \$1,219,652, an increase of \$50,663 or 4.3% from the \$1,168,989 in expenses included in the 2020-2021 Budget. Revenues attributed to the Recycled Water System are projected to equal \$2,297,322 in the 2021-2022 Budget, an increase of \$201,988 or 9.6% from the \$2,095,334 in revenues included in the 2020-2021 Budget. As a result of the revenues and expenses included in the 2021-2022 Budget, the Recycled Water System is projected to make a positive contribution of \$1,077,670 to the Change in Net Position for the District in 2021-2022.

Table 15. Recycled Water System Financial Summary							
	2017-2018	2018-2019	2019-2020	2020-2021	2020-2021	2020-2021	2021-2022
	Actual	Actual	Actual	Budget	YTD Actual	Projected Actual	Proposed Budget
Revenues							
Operating Revenues							
Commodity Charge	1,614,242	1,309,055	1,355,119	1,663,847	1,016,289	1,557,489	1,811,222
Service Charges (Readiness to Serve)	205,014	226,645	258,409	336,207	144,736	305,698	387,900
Non-Operating Revenues							
Property Taxes	74,214	81,006	82,987	84,280	43,373	88,373	87,200
Other Income Sources	11,000	11,000	11,000	11,000	-	11,000	11,000
Total Revenues	1,904,470	1,627,706	1,707,515	2,095,334	1,204,398	1,962,560	2,297,322
Expenses							
Personnel Expenses	636,826	649,911	544,347	687,152	324,167	678,746	722,632
Tertiary Treatment Plant	244,086	225,502	233,079	285,500	151,818	251,604	297,500
Transmission & Distribution	4,850	3,157	-	6,000	1,775	1,775	11,000
Operations Support	59,304	19,516	18,455	26,633	15,275	24,671	19,456
Fleet Maintenance	19,113	21,829	15,677	22,854	10,364	10,364	20,512
Administration	16,284	15,272	12,967	16,464	10,424	19,072	16,656
Information Technology	21,361	21,642	14,133	20,480	8,545	18,993	24,800
Indirect Costs	98,375	107,969	74,109	103,906	46,197	94,116	107,096
Total Expenses	1,100,198	1,064,799	912,767	1,168,989	568,565	1,099,340	1,219,652
Contribution to Change in Net Position	804,272	562,907	794,748	926,345	635,833	863,220	1,077,670

1. This analysis is basically a recycled water system operations cash flow analysis and therefore excludes Water Capital Charges, Depreciation, Amortization, OPEB expense, retiree health expense, and interest expense.

The major expenses for the Recycled Water System budget include compensating the portion of the District's workforce allocated to Recycled Water and operating and maintaining the Tertiary Treatment facilities located at the Wastewater Treatment Plant. Combined, these expenses comprise 83.6% of the total expenses of the Recycled water System in the 2021-2022 Budget.

Personnel Analysis

The mission of the District is to provide high quality services to its customers and one of the cornerstones needed to achieve this mission is sufficient numbers of high quality staff. This section includes an analysis of the District's personnel costs which is a critical component to understanding the District's fiscal operations because these costs comprise the largest expense category of the District.

Number of Employees

Personnel costs are attributable to the actual number of employees employed by the District. The District converts the number of full-time and part-time employees to full-time equivalency to accurately reflect the number of employees on the payroll. Full-time equivalency is equal to 2,080 hours for all employees.

The 2021-2022 Compensation Plan authorizes a total of 61 full-time positions and 5 elected officials. The total number of full-time equivalent positions authorized in the 2021-2022 Compensation Plan is also equal to 61.0 as the District is not planning to employ any part-time positions in 2021-2022.

The total budgeted cost for the District's workforce in 2021-2022 is \$9,032,182, with salaries of \$6,540,955 comprising 72.4% of total costs and benefits of \$2,491,227 comprising the remaining 27.6% of total personnel costs. Fringe benefit costs have been increasing faster than salary costs and are projected to comprise a greater portion of total personnel costs in the future. In 2021-2022, health insurance premiums comprise the largest portion of fringe benefit costs followed by the District's contributions to the deferred compensation plans.

Table 16 on the following page summarizes District personnel expenses and provides information about the underlying causes of the increase in costs.

Table 16. 2021-2022 Personnel Expense Summary

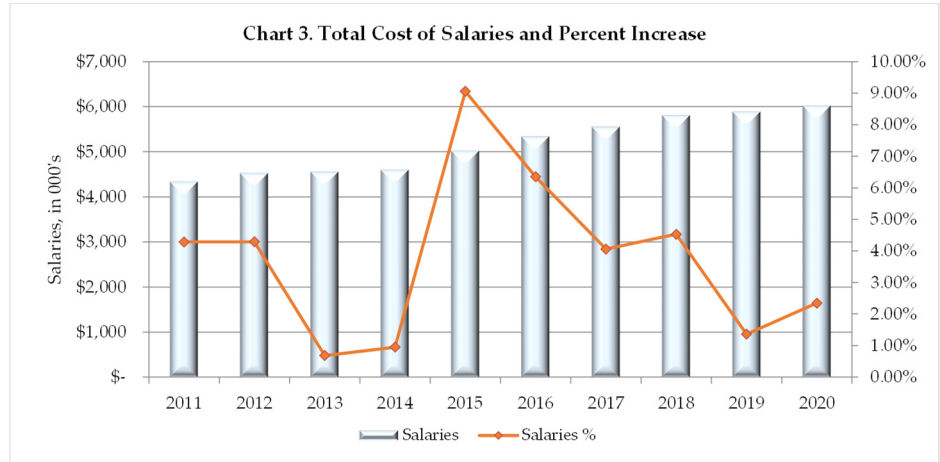
	2020/2021 Budget	2020/2021 Projected	Proposed 2021/2022 Budget	Delta Budget to Budget	% Change Budget to Budget
Salaries	6,185,467	6,147,567	6,540,955	355,488	5.7%
Benefits (Less Employee Paid)	2,262,180	2,195,000	2,366,177	103,997	4.6%
Workers Compensation	141,750	113,051	125,050	(16,700)	-11.8%
Total Labor Cost	8,589,397	8,455,618	9,032,182	442,786	5.2%

LABOR BUDGET BREAKDOWN

	2020/2021 Budget	Proposed 2021/2022 Budget	Delta Budget to Budget	% Change Budget to Budget	Portion of Budget Increase
Salary					
2020/21 Merit Increase		129,007	129,007		
2021/22 Merit Increase		107,034	107,034		
Overtime & Standby Pay	193,000	210,000	17,000		
2020/21 & 2021/22 Personnel Changes	34,693	75,640	40,947		
Vacation Payout	40,000	105,000	65,000		
Car Allowance, Cell Phone Stipend Changes	57,600	54,000	(3,600)		
Total Budgeted Salary Changes			355,388	5.75%	80.28%
Benefits					
Health Insurance Premiums (Employer Only)	1,031,478	1,123,254	91,776		
401k/457B Employer Contributions	990,110	1,000,059	9,949		
All Other Benefit Changes	240,591	242,864	2,273		
Total Budgeted Salary Changes			103,998	4.60%	23.49%
Workers Compensation	141,750	125,050	(16,700)	-11.78%	-3.77%
Overall Total Changes			442,686		
Budgeted Merit Pool					
Merit	3.0%				
CPI	1.7%				
Total	4.7%				

Analysis of Historical Personnel Costs

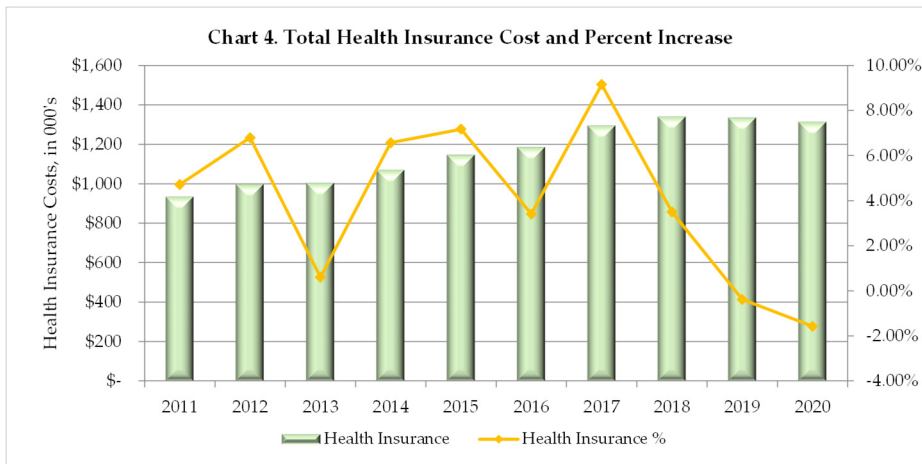
Salary costs have increased steadily since 2011, largely as a result of cost of living and merit salary increases but also to some extent by the addition of some positions to the authorized workforce. Salary costs equaled \$4.3 million in fiscal year 2011 but have since increased to slightly more than \$6 million during the 2019-2020 fiscal year.



Health insurance costs have also increased since 2011, from

approximately \$935,000 in fiscal year 2011 to \$1.3 million in fiscal year 2019-2020. The health insurance premium cost per employee has increased each year since 2011 in conjunction with the overall trends in the National and State economies. The continued increase in health insurance cost per employee will be a challenge for the District in the

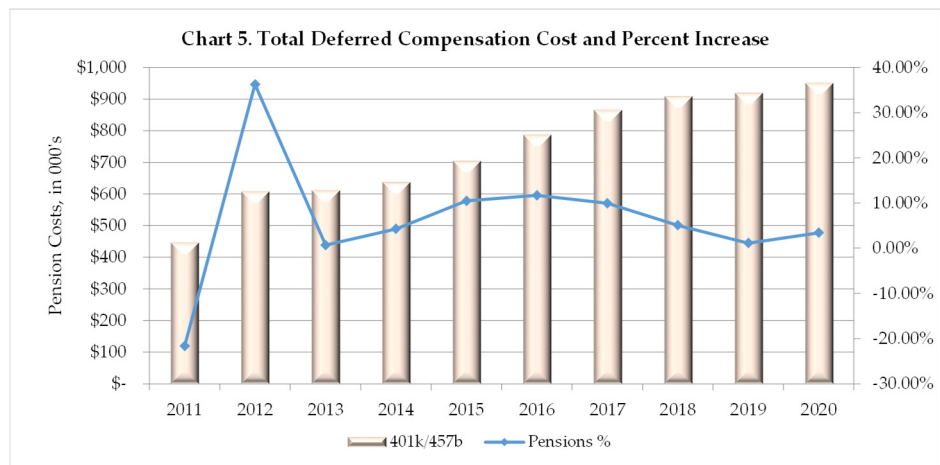
future as this benefit continues to require a larger portion of the District's financial resources. In addition, as the premium expenses increases, the impact on the District's retiree health insurance costs will also increase.



Another significant benefit provided by the District are contributions to deferred compensation plans, including a 401(k) Plan and a 457(b) Plan. The District contributes 9% into the

401(k) plan for every employee to provide a retirement benefit. In addition, to incentivize employees to save toward their retirement, the District also matches employee contributions into one of the plans with a 75% match of up to 10% of the employee's salary. So if an employee contributes 10% of their salary into one of the plans, they would

receive the District's automatic 9% contribution plus a 7.5% match of the employee contribution, for a total of 16.5% contributed toward the employee's retirement. The cost for the District's contributions to the Deferred Compensation plans has increased steadily since 2011, in conjunction with the increase in salaries that has occurred. In 2011, the District's contribution equaled \$446,400 but in 2020 this amount was \$951,700.



Presented below in Table 17 are the authorized positions for the District organized into the Departments in which they are assigned.

Table 17. Organization Chart and Authorized Positions, 2021 - 2022			
Department	Positions	Department	Positions
<u>Administrative Services</u>		<u>Operations</u>	
General Manager	1	Operations Superintendent	1
Human Resources Manager	1	Compliance Program Coordinator	1
Public Relations / EP Admin	1	Total	2
Exec.Assistant to BOD & GM	1	<u>Transmission & Distribution Crew</u>	
Office Assistant	1	Foreman	1
Total	5	Crew Chief	2
<u>Information Systems</u>		Maintenance Worker III	1
Information Technology Manager	1	Maintenance Worker II	2
Total	1	Maintenance Worker I	3
<u>Accounting</u>		Total	9
Chief Financial Officer	1	<u>Pumping Crew</u>	
Accountant / Sr Accountant	2	Foreman	1
Supervisor Accounting	1	Crew Chief	2
Total	4	Maintenance Worker III	2
<u>Purchasing/Receiving</u>		Maintenance Worker II	1
Purchasing Agent	1	Maintenance Worker I	2
Total	1	Total	8
<u>Customer Service - Office</u>		<u>Treatment Plant</u>	
C.S / Billing Supervisor	1	Chief Plant Operator	1
C.S. Office Rep. I	2	Truck Driver	2
Billing Clerk II	1	Waste Water Operator III	4
Total	4	Waste Water Operator II	1
<u>Customer Service - Field</u>		Waste Water Operator I	0
Crew Chief	1	Lab Supervisor	1
C.S. Field Rep. II	1	Lab Technician I	1
C.S. Field Rep. I	1	Total	10
Total	3	<u>Collections & Transmissions</u>	
<u>Engineering</u>		Industrial Waste Inspector	1
Principal Engineer	1	Crew Chief	1
Project Engineer	1	Coll. Maintenance Worker III	1
Engineer Associate	1	Coll. Maintenance Worker II	0
Inspector	1	Coll. Maintenance Worker I	3
Cross Connection Control Prog Supv	1	Total	6
Total	5	<u>Automotive</u>	
<u>Electrical</u>		Senior Mechanic	1
Electrical Sys/SCADA Supv	1	Total	1
Electrical Systems / SCADA Technician III	1	<u>Total Positions</u>	
Total	2	<u>61</u>	

The District's Compensation Plan includes a salary grade schedule for both non-exempt and exempt employees. Presented below and on the following page in Table 18 is the Compensation Plan for non-exempt employees for the 2021-2022 Budget. Salary grades that do not have any positions assigned to them are not displayed.

Table 18. Compensation Plan - Salary Range Schedule - Non-Exempt				
Effective Fiscal Year 2021/2022				
	FY 2020/2021		Includes CPI Increase of 1.7%	
	Monthly Salary		FY 2021/2022	
	Minimum	Maximum	Minimum	Maximum
Salary Grade 1				
Intern	\$2,686	\$3,645	\$2,732	\$3,707
Salary Grade 2	\$3,258	\$4,432	\$3,313	\$4,507
Salary Grade 3	\$3,651	\$4,965	\$3,713	\$5,050
Salary Grade 4	\$3,759	\$5,113	\$3,822	\$5,200
Salary Grade 5	\$3,874	\$5,267	\$3,940	\$5,356
Office Assistant				
Customer Service Office Representative I				
Billing Clerk I				
Salary Grade 6	\$3,991	\$5,426	\$4,059	\$5,518
Customer Service Field Representative I				
Salary Grade 7	\$4,106	\$5,587	\$4,176	\$5,682
Salary Grade 8	\$4,232	\$5,756	\$4,304	\$5,854
Customer Service Office Representative II				
Administrative Assistant				
Billing Clerk II				
Salary Grade 9	\$4,357	\$5,928	\$4,431	\$6,029
Customer Service Office Representative Senior				
Billing Clerk Senior				
Salary Grade 10	\$4,505	\$6,105	\$4,581	\$6,209
Customer Service Field Representative II				
Collection Maintenance Worker I				
Maintenance Worker I				
Operator in Training				
Salary Grade 11	\$4,626	\$6,289	\$4,704	\$6,396
Billing Specialist				
Salary Grade 12	\$4,764	\$6,479	\$4,845	\$6,589
Laboratory Technician I				
Salary Grade 13	\$4,906	\$6,671	\$4,989	\$6,784
Mechanic				
Waste Water Plant Operator I				
Salary Grade 14	\$5,054	\$6,874	\$5,140	\$6,991
Administrative Assistant Senior				
Accountant / Insurance Administrator				
Salary Grade 15	\$5,205	\$7,080	\$5,294	\$7,200
Collections Worker II				
Maintenance Worker II				

Table 18. Compensation Plan - Salary Range Schedule - Non-Exempt
Effective Fiscal Year 2021/2022

	FY 2020/2021		Includes CPI Increase of 1.7% FY 2021/2022	
	Monthly Salary		Monthly Salary	
	Minimum	Maximum	Minimum	Maximum
(continued)				
Salary Grade 16	\$5,361	\$7,291	\$5,452	\$7,415
Customer Service Field Representative III				
Compliance Regulatory Coordinator I				
Salary Grade 17	\$5,522	\$7,509	\$5,616	\$7,637
Laboratory Technician II				
Salary Grade 18	\$5,687	\$7,736	\$5,783	\$7,867
Senior Accountant / Payroll				
Tractor - Trailer - Tanker Driver				
Waste Water Plant Operator II				
Inspector				
Engineering Associate				
Maintenance Worker III				
Collection Maintenance Worker III				
Salary Grade 20	\$6,040	\$8,214	\$6,142	\$8,353
Compliance Regulatory Coordinator II				
Salary Grade 21	\$6,220	\$8,459	\$6,326	\$8,603
Executive Assistant to General Manager & Board				
Senior Mechanic				
Salary Grade 22	\$6,408	\$8,714	\$6,517	\$8,862
Accounting Supervisor				
Supervisor Billing/Office Customer Service				
Recycled Water Coordinator				
Electrical Systems / SCADA Technician III				
Purchasing Agent / Inventory Control				
Salary Grade 23	\$6,602	\$8,977	\$6,714	\$9,130
Laboratory Technician III				
Waste Water Plant Operator III				
Public Relations / Emergency Preparedness Admin.				
Salary Grade 24	\$6,800	\$9,246	\$6,915	\$9,403
Cross Connection Control Program Supervisor				
Salary Grade 25	\$6,974	\$9,522	\$7,093	\$9,684
Crew Chief				
Salary Grade 26	\$7,214	\$9,810	\$7,337	\$9,977
Accounting Manager / Auditor				
Industrial Waste Inspector				
Compliance Regulatory Coordinator III				
Salary Grade 27	\$7,428	\$10,101	\$7,555	\$10,273
Laboratory Supervisor				

Table 18. Compensation Plan - Salary Range Schedule - Non-Exempt
Effective Fiscal Year 2021/2022

	FY 2020/2021		Includes CPI Increase of 1.7%	
	Monthly Salary		FY 2021/2022	
	Minimum	Maximum	Minimum	Maximum
(continued)				
Salary Grade 28 Foreman	\$7,649	\$10,403	\$7,779	\$10,580
Salary Grade 29	\$7,879	\$10,715	\$8,013	\$10,898
Salary Grade 30 SCADA Supervisor	\$8,108	\$11,026	\$8,245	\$11,214
Salary Grade 31	\$8,351	\$11,358	\$8,493	\$11,551
Salary Grade 32	\$8,601	\$11,698	\$8,747	\$11,897
Salary Grade 33	\$8,859	\$12,048	\$9,010	\$12,253
Salary Grade 34 Waste Water Chief Plant Operator	\$9,125	\$12,409	\$9,280	\$12,620

Presented below in Table 19 is the Compensation Plan for Exempt employees.

**Table 19. Compensation Plan - Salary Range Schedule - Exempt
Effective Fiscal Year 2021/2022**

	FY 2020/2021		Includes CPI Increase of 1.7% FY 2021/2022	
	Monthly Salary		Monthly Salary	
	Minimum	Maximum	Minimum	Maximum
Salary Grade 40E	\$7,002	\$9,523	\$7,121	\$9,684
Salary Grade 41E	\$7,647	\$10,707	\$7,777	\$10,889
Customer Service Manager				
Salary Grade 42E	\$8,106	\$11,349	\$8,244	\$11,542
Salary Grade 43E	\$8,592	\$12,031	\$8,738	\$12,235
Project Engineer				
Information Technology Manager				
Salary Grade 44E	\$9,107	\$12,752	\$9,262	\$12,969
Salary Grade 45E	\$9,654	\$13,517	\$9,818	\$13,747
Operations Superintendent				
Salary Grade 46E	\$10,233	\$14,329	\$10,407	\$14,572
Principal Engineer				
Salary Grade 47E	\$10,847	\$15,189	\$11,032	\$15,447
Manager Human Resources				
Salary Grade 48E	\$11,498	\$16,100	\$11,694	\$16,373
Salary Grade 49E	\$12,188	\$17,066	\$12,395	\$17,356
Chief Financial Officer				
Salary Grade 50E	\$12,920	\$18,090	\$13,139	\$18,397
Salary Grade 51E	\$13,694	\$19,175	\$13,927	\$19,501
Salary Grade 52E	\$14,516	\$20,326	\$14,762	\$20,671
Assistant General Manager / Staff Engineer				
Salary Grade 53E	\$15,387	\$21,546	\$15,648	\$21,912

CAPITAL REPLACEMENT & REFURBISHMENT PROGRAM

The District has significant infrastructure and capital assets that periodically need to be replaced or refurbished in order to be able to continue to provide services to the District's customers.

- Objectives
- Replace and refurbish District owned facilities to improve the ability of staff to provide services, including the Main Office Building, the Warehouse Complex, the Wastewater Treatment Plant, and various other buildings and properties owned by the District.
 - Maintain high quality water facilities and mains, wastewater treatment facilities and sewer mains, and recycled water facilities and mains by reconstructing or rehabilitating these infrastructure assets when necessary. Continuously improve the infrastructure in the District to respond to changing needs, challenges, and regulations.
 - Purchase new and replacement vehicles and equipment to support and enhance District operations.
-
-

Overview

The District is committed to the replacement and refurbishment of its facilities, infrastructure, and capital assets and has developed a multi-year Capital Replacement and Refurbishment program to guide the replacement and refurbishment process. The Program is updated in conjunction with the annual budget to reflect changing conditions and resources. One of the primary obligations of the District is the construction, reconstruction, rehabilitation, and maintenance of its facilities, infrastructure, and capital assets. The financial health of the District is greatly impacted by its ability to adequately maintain its capital assets and avoid the substantial financial and service impacts that results from deteriorated capital assets. The types of capital improvements undertaken by the District include:

- **Water System Projects** - The maintenance and improvement of the District's water system is an important component of the capital program. The capacity, structural integrity, and general condition of the reservoirs, storage facilities, pumps, water mains, and service lines are critical to the District's continued ability to supply its customers with clean, high quality drinking water and to provide adequate pressure for daily demands and fire suppression. Water system improvements include the construction or rehabilitation of any part of the water distribution system, including water mains, water main valves, water service lines, reservoirs, and storage facilities.

The 2021-2022 Budget includes one significant project for the Water System, the interior recoating of the R-2 Reservoir for a budgeted expenses of \$605,000 with \$342,500 of the funding for the project coming from carryover funds from a prior budget year.

- **Wastewater Treatment System Projects** - The maintenance and improvement of the District's wastewater treatment system is another important component of the overall capital program. The Wastewater system collects wastewater from residences and businesses, utilizes mechanical and biological processes to metabolize and remove pollutants, and then discharges the effluent (the cleaned water) to either the tertiary treatment facility (for recycled water) or to the Ocean Outfall pipeline where it is transported to the Pacific Ocean. The solids that remain after the treatment process are transported via truck to the South Orange County Wastewater Authority (SOCWA) for final treatment and disposal. Sanitary Sewer System Improvements include the construction, reconstruction, or rehabilitation of any part of the wastewater collection and treatment system, including sanitary sewer mains, sanitary sewer pumps, lift stations, and the Wastewater Treatment Plant.

The 2021-2022 budget incorporates several significant projects, including the replacement of the emergency generator at the Aliso Creek Lift Station at a cost of \$275,000, the installation of a Wash Press System at the Headworks for \$200,000, the replacement of diffusers, pumps, and electrical equipment for the treatment system, and \$972,000 for the SOCWA capital budget.

- **Recycled Water System Projects** - The maintenance and improvement of the District's recycled water system is the final component of the capital program. The capacity, structural integrity, and general condition of the tertiary treatment facility, recycled water mains, and service lines are critical to the District's continued ability to supply its customers with high quality recycled water for irrigation purposes. Recycled water system improvements include the construction or rehabilitation of any part of the distribution system, including mains, main valves, and service lines.

There are no projects included in the 2021-2022 Budget as the recycled water system is a newly constructed system and the revenue generated from the capital rate charges is being used to pay the debt service costs.

**Table 19. Five Year Capital Replacement & Refurbishment Program
F. Y. 2021/22 - 2025/26**

ITEM #	DESCRIPTION	2021/22	2022/23	2023/24	2024/25	2025/26	TOTAL	WATER	SEWER
<i>Source of Supply / Storage Projects</i>									
1	R-2 Reservoir Interior Recoating	605,000					605,000	605,000	
1	R-2 Reservoir Interior Recoating Carryover	(342,500)					(342,500)	(342,500)	
2	JRWSS Capital Budget	3,549	4,479	49,014	1,014	7,560	65,616	65,616	
3	Baker WTP Replacement Fund	52,795	52,795	52,795	52,795	52,795	263,975	263,975	
4	Baker Pipeline Exposure Mitigation Project	50,000					50,000	50,000	
5	R-6 Chlorine & Ammonia Chemical Feed Pump Replacement		93,807				93,807	93,807	
6	Replace Chlorine Generator and Reservoir Management System at R-4					369,082	369,082	369,082	
	<i>Total Source of Supply / Storage Projects</i>	368,844	151,081	101,809	53,809	429,437	1,104,980	1,104,980	0
<i>Pumping (Water) Projects</i>									
1	Water Stations PLC Upgrade to Control Logix		25,000	25,000		25,000	75,000	75,000	
	<i>Total Pumping (Water) Projects</i>	0	25,000	25,000	0	25,000	75,000	75,000	0
<i>Pumping (Water) Equipment</i>									
1	Cherry Booster Station Pump Replacement			84,964			84,964	84,964	
2	Shenandoah Booster Station Pump Replacement			84,964			84,964	84,964	
3	P-4 Pump Replacement Project		50,357				50,357	50,357	
	<i>Total Pumping (Water) Equipment</i>	0	50,357	169,928	0	0	220,284	220,284	0
<i>Pumping (Sanitation) Projects</i>									
1	Sewer Stations PLC Upgrade to Control Logix		25,000	25,000		25,000	75,000		75,000
	<i>Total Pumping (Sanitation) Projects</i>	0	25,000	25,000	0	25,000	75,000	0	75,000
<i>Pumping (Sanitation) Equipment</i>									
1	Aliso Creek Emergency Generator 350 KW (Unit 215)	275,000					275,000		275,000
	<i>Total Pumping (Sanitation) Equipment</i>	275,000	0	0	0	0	275,000	0	275,000
<i>Treatment (Sanitation) Projects</i>									
1	Wash Press System at Headworks	200,000					200,000		200,000
2	HACH WIMS Implementation	45,000					45,000		45,000
3	Secondary Clarifier # 1 Component Replacement		200,000				200,000		200,000
4	Secondary Clarifier # 4 Component Replacement					150,000	150,000		150,000
5	DAF Unit #2 Rehabilitation Project	75,000					75,000		75,000
	<i>Total Treatment (Sanitation) Projects</i>	320,000	200,000	0	0	150,000	670,000	0	670,000

Table 19. Five Year Capital Replacement & Refurbishment Program
F. Y. 2021/22 - 2025/26

ITEM #	DESCRIPTION	2021/22	2022/23	2023/24	2024/25	2025/26	TOTAL	WATER	SEWER
<i>Treatment (Sanitation) Equipment</i>									
1	Aeration Basin Diffusers	75,000				303,877	378,877		378,877
2	Effluent Pump Station Pump Replacements	150,000					150,000		150,000
2	Effluent Pump Station Pump Replacements Carryover	(100,000)					(100,000)		(100,000)
3	WRP Main Electrical Power Breaker Upgrades	140,000					140,000		140,000
3	WRP Main Electrical Power Breaker Upgrades Carryover	(80,000)					(80,000)		(80,000)
	<i>Total Treatment (Sanitation) Equipment</i>	185,000	0	0	0	303,877	488,877	0	488,877
<i>Laboratory Equipment</i>									
1	Replacement Analyzers	15,000					15,000	7,500	7,500
	<i>Total Laboratory Equipment</i>	15,000	0	0	0	0	15,000	7,500	7,500
<i>Outside Treatment (SOCWA)</i>									
1	SOCWA Capital Budget	972,000	728,000	2,657,000	3,885,000	1,706,000	9,948,000		9,948,000
1	SOCWA Reserve Funding				(1,311,587)		(1,311,587)		(1,311,587)
	<i>Total Treatment (SOCWA)</i>	972,000	728,000	2,657,000	2,573,413	1,706,000	8,636,413	0	8,636,413
<i>Transmission & Distribution Projects</i>									
1	AMI Implementation						0	0	
	<i>Total Transmission & Distribution (Water) Projects</i>	0	0	0	0	0	0	0	0
<i>Collection Equipment</i>									
1	P332 Flexiprobe (Push Camera) Inspection System - PearPoint		25,000				25,000		25,000
2	P350 Flexiprobe (Mobile-Portable Camera) Inspection System - PearPoint		45,000				45,000		45,000
	<i>Total Collection Equipment</i>	0	70,000	0	0	0	70,000	0	70,000
<i>Vehicles/Vehicle Equipment</i>									
1	Vehicle Replacement	25,000	75,000		75,000		175,000	87,500	87,500
2	Hydro Excavator					643,246	643,246	643,246	
3	Warehouse Forklift	35,000					35,000	17,500	17,500
4	F-550 w/ Valve Maintenance Skid				191,442		191,442	191,442	
5	Vactor 2100 Combo Machine (Replace Unit 80)		500,000				500,000		500,000
6	Boom Truck (Diesel - Regulatory Compliance)		200,000				200,000	100,000	100,000
7	Forklift WRP (Diesel - Regulatory Compliance)	95,000					95,000	47,500	47,500
8	10-Wheel Dump Truck (Unit #50, Regulatory Compliance)		175,000				175,000	87,500	87,500
9	Replace Pony Pump and Motor on Sludge Tanker	40,000					40,000		40,000
	<i>Total Vehicles / Vehicle Equipment</i>	195,000	950,000	0	266,442	643,246	2,054,688	1,174,688	880,000

**Table 19. Five Year Capital Replacement & Refurbishment Program
F. Y. 2021/22 - 2025/26**

ITEM #	DESCRIPTION	2021/22	2022/23	2023/24	2024/25	2025/26	TOTAL	WATER	SEWER
<i>Construction/Mechanical/Electrical Equipment</i>									
1	Backhoe		165,000				165,000	82,500	82,500
	<i>Total Construction Equipment</i>	0	165,000	0	0	0	165,000	82,500	82,500
<i>General Building Projects</i>									
1	Main Office / Field Office HVAC Replacement & Improvement Project						0	0	0
	<i>Total General Building Projects</i>	0	0	0	0	0	0	0	0
<i>Office Equipment/Furniture</i>									
1	Server Room AC Units	21,000					21,000	10,500	10,500
2	Integrated Data Protection Appliance	45,000					45,000	22,500	22,500
3	Security Cameras				138,915		138,915	69,458	69,458
	<i>Total Office Equipment / Furniture</i>	66,000	0	0	138,915	0	204,915	102,458	102,458
<i>Contingency</i>									
1	Contingency	3,156	35,563	0	0	0	38,719	19,359	19,359
	<i>Total Contingency</i>	3,156	35,563	0	0	0	38,719	19,359	19,359
	<i>Total Capital Budget</i>	2,400,000	2,400,000	2,978,737	3,032,579	3,282,560	14,093,876	2,786,770	11,307,106
	<i>Total Capital Projects</i>	1,662,422	1,146,862	2,808,809	2,627,222	2,335,437	10,580,752	1,189,660	9,391,093
	WATER	369,633	184,971	126,809	53,809	454,437	1,189,660		
	SEWER	1,292,789	961,891	2,682,000	2,573,413	1,881,000	9,391,093		
	<i>Total Capital Equipment</i>	737,578	1,253,138	169,928	405,357	947,122	3,513,123	1,597,110	1,916,014
	WATER	118,789	366,747	169,928	298,400	643,246	1,597,110		
	SEWER	618,789	886,391	0	106,958	303,877	1,916,014		
	<i>Total Capital Budget</i>	2,400,000	2,400,000	2,978,737	3,032,579	3,282,560	14,093,876	2,786,770	11,307,106
	WATER	488,422	551,719	296,737	352,209	1,097,683	2,786,770		
	SEWER	1,911,578	1,848,281	2,682,000	2,680,371	2,184,877	11,307,106		

Debt Analysis

The District is indebted for several projects that have occurred in the last ten years. The District has received financing from the California State Water Boards for clean water projects including the reconstruction of the Northline Lift Station and two phases of construction for the recycled water system. The District also has a loan outstanding to a bank for its portion of the Baker Water Treatment Plant. One of the requirements of the State of California SRF loans is for the District to calculate a debt service coverage ratio each year. Presented below in Table 21 is the calculation of the debt service coverage for the period from 2018-2019 through the 2021-2022 Budget.

Table 21. Debt Service Coverage Ratio

	2018-2019 Actual	2019-2020 Actual	2020-2021 Budget	2021-2022 budget
Operating Revenues	\$24,135,379	\$24,657,613	\$25,455,668	\$26,623,813
Non-Operating Revenues	\$2,627,873	\$1,744,549	\$1,658,500	\$1,445,000
Operating Expenses	\$20,795,358	\$21,377,587	\$22,004,123	\$22,962,367
Non-Operating Expenses	\$753,794	\$777,511	\$756,649	\$718,000
Net Revenues	\$5,214,100	\$4,247,064	\$4,353,396	\$4,388,446
Total Outstanding Debt Service	\$2,954,413	\$2,954,413	\$2,954,413	\$2,954,413
Debt Service Coverage	1.76	1.44	1.47	1.49
Debt Service Requirement	1.20	1.20	1.20	1.20

Beginning on the following page in Table 21, are debt service schedules for each of the long term debt issuance the District has outstanding.

**Table 22. Schedule of Long-Term Debt Requirements
California State Revolving Fund Loan of 2010
As of June 30, 2020**

Date of Issuance	October, 2010
Date of Maturity	January 12, 2032
Authorized Issue	\$3,918,590
Interest Rates	2.70%
Principal & Interest Payment Date	January 12 of each Fiscal Year
Payable to	California State Water Resources Control Board
Agreement Number	10801-550-0

Current and Future Principal and Interest Requirements

Fiscal Year Ended	Debt Service Requirements			Totals	Remaining Balance
	Principal	Service Charge	Grant Charge		
June 30, 2021	187,508	26,162	44,476	258,146	2,428,708
June 30, 2022	192,571	24,287	41,288	258,146	2,236,137
June 30, 2023	197,770	22,361	38,014	258,146	2,038,367
June 30, 2024	203,110	20,384	34,652	258,146	1,835,257
June 30, 2025	208,594	18,353	31,199	258,146	1,626,664
June 30, 2026	214,226	16,267	27,653	258,146	1,412,438
June 30, 2027	220,010	14,124	24,011	258,146	1,192,428
June 30, 2028	225,950	11,924	20,271	258,146	966,477
June 30, 2029	232,051	9,665	16,430	258,146	734,426
June 30, 2030	238,316	7,344	12,485	258,146	496,110
June 30, 2031	244,751	4,961	8,434	258,146	251,359
June 30, 2032	251,359	2,514	4,273	258,146	-
	<u>2,616,216</u>	<u>178,346</u>	<u>303,188</u>	<u>3,097,750</u>	

Note: This loan from the California State Water Resources Control Board was utilized by the District to finance the Northline Lift Station Improvement Project.

**Table 23. Schedule of Long-Term Debt Requirements
California State Revolving Fund Loan of 2013
As of June 30, 2020**

Date of Issuance	February, 2013
Date of Maturity	January 12, 2032
Authorized Issue	\$28,002,378
Interest Rates	1.70%
Principal & Interest Payment Date	December 31 of each Fiscal Year
Payable to	California State Water Resources Control Board
Agreement Number	12821-550-0

Current and Future Principal and Interest Requirements

Fiscal Year Ended	Debt Service Requirements			Totals	Remaining
	Principal	Service Charge	Grant Charge		Balance
June 30, 2021	1,244,824	147,467	210,667	1,602,958	19,821,900
June 30, 2022	1,265,986	138,753	198,219	1,602,958	18,555,914
June 30, 2023	1,287,507	129,891	185,559	1,602,958	17,268,407
June 30, 2024	1,309,395	120,879	172,684	1,602,958	15,959,012
June 30, 2025	1,331,655	111,713	159,590	1,602,958	14,627,357
June 30, 2026	1,354,293	102,392	146,274	1,602,958	13,273,064
June 30, 2027	1,377,316	92,911	132,731	1,602,958	11,895,748
June 30, 2028	1,400,730	83,270	118,957	1,602,958	10,495,018
June 30, 2029	1,424,543	73,465	104,950	1,602,958	9,070,475
June 30, 2030	1,448,760	63,493	90,705	1,602,958	7,621,715
June 30, 2031	1,473,389	53,352	76,217	1,602,958	6,148,326
June 30, 2032	1,498,436	43,038	61,483	1,602,958	4,649,890
June 30, 2033	1,523,910	32,549	46,499	1,602,958	3,125,980
June 30, 2034	1,549,816	21,882	31,260	1,602,958	1,576,164
June 30, 2035	1,576,163	11,033	15,762	1,602,958	0
	<u>16,416,834</u>	<u>1,160,626</u>	<u>1,658,037</u>	<u>19,235,496</u>	

Note: This loan from the California State Water Resources Control Board was utilized by the District to construct the tertiary treatment system to produce high quality recycled water from treated wastewater and to construct the initial recycled water distribution system.

**Table 24. Schedule of Long-Term Debt Requirements
Baker Water Treatment Plant Agreement & Refinance Loan
As of June 30, 2020**

Date of Issuance	January, 2017
Date of Maturity	July 1, 2036
Authorized Issue	\$9,715,035
Interest Rates	3.10%
Principal & Interest Payment Date	January, 1 and July, 1
Payable to	Sunflower State Bank of Texas

Current and Future Principal and Interest Requirements

Fiscal Year Ended	Debt Service Requirements			Totals	Remaining Balance
	July 1 Principal	Interest	January 1 Interest		
June 30, 2022	419,840	132,211	125,704	677,755	8,109,910
June 30, 2023	432,855	125,704	118,994	677,553	7,677,055
June 30, 2024	446,274	118,994	112,077	677,345	7,230,781
June 30, 2025	460,108	112,077	104,945	677,131	6,770,673
June 30, 2026	474,372	104,945	97,593	676,910	6,296,301
June 30, 2027	489,077	97,593	90,012	676,682	5,807,224
June 30, 2028	504,239	90,012	82,196	676,447	5,302,985
June 30, 2029	519,870	82,196	74,138	676,205	4,783,115
June 30, 2030	535,986	74,138	65,831	675,955	4,247,129
June 30, 2031	552,602	65,831	57,265	675,698	3,694,527
June 30, 2032	569,732	57,265	48,434	675,431	3,124,795
June 30, 2033	587,394	48,434	39,330	675,158	2,537,401
June 30, 2034	605,603	39,330	29,943	674,876	1,931,798
June 30, 2035	624,377	29,943	20,265	674,585	1,307,421
June 30, 2036	643,733	20,265	10,287	674,285	663,688
June 30, 2037	663,688	10,287	-	673,975	-
	<u>8,529,750</u>	<u>1,060,966</u>	<u>1,077,014</u>	<u>7,443,111</u>	

Note: In December 2013, the District entered into the Baker Water Treatment Plant Agreement, along with five other public entities relating to the Baker treatment plant. In January 2014, the District entered into an installment sale agreement with the Irvine Ranch Water District (IRWD) for the purchase of the District's portion of rights, title, and interest to the capacity not-to-exceed amount of \$12,500,000.

In 2017, the District refinanced IRWD's installment sale agreement with a loan from a financial institution for \$9,715,035 with an interest rate of 3.10%. The loan is scheduled to mature in 2036. Principal and interest are payable annually at the interest rate of 3.10%.

Table 25. Schedule of Long-Term Debt Requirements
California State Revolving Fund Loan of 2018
As of June 30, 2020

Date of Issuance	June, 2019
Date of Maturity	July 31, 2029
Authorized Issue	\$4,085,782
Interest Rate	1.70%
Principal & Interest Payment Date	July 1 of each year
Payable to	California State Water Resources Control Board
Agreement Number	D1601019-550-0

Current and Future Principal and Interest Requirements

Fiscal Year Ended	Debt Service Requirements			Remaining Balance
	Principal	Interest	Totals	
June 30, 2021	345,231	63,455	408,686	3,387,047
June 30, 2022	351,466	57,580	409,046	3,035,581
June 30, 2023	357,441	38,371	395,812	2,678,140
June 30, 2024	363,518	33,852	397,370	2,314,622
June 30, 2025	369,698	29,258	398,955	1,944,925
June 30, 2026	375,982	24,584	400,567	1,568,942
June 30, 2027	382,374	19,832	402,206	1,186,568
June 30, 2028	388,874	14,999	403,873	797,694
June 30, 2029	395,485	10,083	405,568	402,209
June 30, 2030	402,209	5,084	407,293	-
	<u>3,732,279</u>	<u>297,097</u>	<u>4,029,376</u>	

Note: This loan from the California State Water Resources Control Board was utilized by the District to complete the construction of the recycled water distribution system.

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Approved by: Board of Directors	2008-23 (IV) IDENTITY THEFT PREVENTION PROGRAM	Date: 3-22-18 Revision 2
<p>These Practices and Procedures were created to comply with regulations issued by the Federal Trade Commission (FTC) Red Flag Rule (Rule). The regulations require that creditors implement written programs which provide for detection of and response to specific activities (“Red Flags”) that could be related to identity theft.</p> <p>OVERVIEW</p> <p>El Toro Water District’s (“ETWD”) Identity Theft Prevention Program is tailored to the size, complexity and nature of ETWD’s operations. Any Customer information collected or maintained by ETWD is covered by this Rule.</p> <p>The FTC regulations require the Program:</p> <ul style="list-style-type: none"> A. Identify relevant warning signs (Red Flags) including patterns, practices or specific activities that are indicative of identity theft. B. Identify ways to detect Program warning signs. C. Provide for appropriate responses to warning signs to prevent or mitigate identity theft. D. Provide for annual review of new and changing risks. E. Record and monitor detected warning signs. F. Provide for Program administration and oversight. <p>DESIGNATION OF AUTHORITY</p> <p>The Board of Directors of ETWD has designated the authority to develop, oversee, implement and administer the Program to the General Manager.</p>		
Approved by Resolution No: 17-3-3 Superseded by Resolution No. 18-3-1		Date: March 28, 2017 Date: March 22, 2018

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PRACTICES AND PROCEDURE

A. Rule definitions

1. "Red Flag" is a pattern, practice or specific activity that indicates the possibility of Identity Theft.
2. "Identity Theft" is fraud committed using the identifying information of another person or business.
3. "Identifying information" includes: name, address, telephone number, unique identification number, internet address or routing code used alone or combined to identify a specific person or business.

B. Identification of Red Flags

To identify billed account warning signs ETWD must consider the methods it provides to: open, access, make payments on, change and close accounts. ETWD must also consider its previous experiences with Identity Theft.

C. Summary of the Red Flag categories

Red flags are warning signs that signal potential identity theft.

1. Presentation of suspicious documents.
2. Presentation of suspicious identifying information.
3. Unusual use of an account.
4. Suspicious activity related to an account.
5. Identity theft notice from customers, victims of identity theft or law enforcement authorities.

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D. Details of the Red Flag categories

1. Presentation of suspicious documents:

- a. Identification document appear to be altered, forged or not authentic.
- b. Document photograph is not consistent with the customer's physical appearance.
- c. Other information document is not consistent with existing customer information (signature on check appears forged).
- d. ETWD forms appear to be altered or forged.

2. Presentation of unusual identifying information:

- a. Information presented is inconsistent with other information provided.
- b. Information presented is inconsistent with other sources of information.
- c. Information presented is the same as information shown on other fraudulent ETWD forms.
- d. Information presented is consistent with fraudulent activity (invalid phone number or fictitious billing address).
- e. Address or phone number presented is the same as that of another person or business.
- f. Refusal to provide complete identifying information on an ETWD form when reminded to do so.
- g. Identifying information not consistent with information on file.

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3. Unusual use of an account or other suspicious account activity.
 - a. Person other than the customer of record requests information or asks to make changes to an account.
 - b. Requested account address change followed by a request to change the customer of record.
 - c. Payments stop on an otherwise consistently up-to-date account.
 - d. Mail sent to customer of record is repeatedly returned as undeliverable.
 - e. Unauthorized access to or use of customer account information.
 - f. ETWD staff member requests access to or information about an account and the request is inconsistent with normal business practice (fails the “need to know” test).
 - g. A customer notifies ETWD of the following:
 - Customer is not receiving ETWD bills or forms.
 - Unauthorized changes to an account.
 - Fraudulent activity on the customer’s bank account or credit card.
4. ETWD notified by customer, identity theft victim or a member of law enforcement that an account has been opened by a person engaging in identity theft.

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E. Detecting, preventing and mitigating identity theft

When warning signs are detected, staff must respond depending upon the degree of risk posed:

1. Continue to monitor account.
2. Contact the customer.
3. Create or change passwords.
4. Refuse to open a new account, change an existing account or close an account until the customer appears in person with acceptable identification.
5. Close an account.
6. Reopen an account with a new number.
7. Ask supervisor for determination of the appropriate step(s) to take.
8. Notify law enforcement.
9. Determine that no response is warranted under the particular circumstances.
10. Require additional identifying documents or information.
11. Require the caller to appear in person with proper identification.
12. All instances of identifying and responding to warning signs are attached to the customer's account in the form of a Red Flag note.

F. Protect customer identifying information

Internal operating procedures:

1. Ensure website is secure or provide clear notice that it is not.
2. Ensure complete and secure destruction of paper documents.

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3. Ensure computers are password protected and computer screens lock after a set period of time.
4. Ensure customer information documents are stored in secure areas.
5. Ensure network protection is current.
6. Require and keep only necessary customer information.
7. Access to customer information is based on the staff member duties.
8. In order to access information online, customers must enroll using their ETWD account number and information already associated with their ETWD account including one of the following: phone number, Tax ID or last four digits of the Social Security number associated with the account. They must create a unique online account user identification name and password and must associate the online account with a personal email address.
9. Continually look for ways to reduce the amount customer information documents.
10. Ensure service providers that receive and process customer information have programs in place to detect and prevent identity theft.

G. Examples of detecting, preventing and mitigating Identity Theft

1. Refusal to provide required information.
 - a. When establishing, making changes to, or closing an account the customer will not provide the required information.
 - b. Response: Do not respond to the request. Ask the customer to appear in person and provide identification.
2. Altered documents.
 - a. Staff is presented with documents that appear altered or inconsistent with the information provided by the customer.
 - b. Response: Do not establish, make changes to, accept payment or close the account until the customer's identity has been confirmed.

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3. Inquiries.

- a. Someone other than the customer of record asks for information about a customer's account or asks to make changes to the information on an account.
- b. Response: Inform the person that only the customer of record has access to the account information. Do not make changes to or provide any information about the account with one exception: if the service on the account has been interrupted for non-payment, staff may provide the payment amount needed for reconnection of service.

4. ETWD staff requests customer information:

- a. Unauthorized staff may submit requests for customer information.
- b. Response: All requests by unauthorized staff for access to customer information are approved by the department supervisor.

5. Unauthorized activity notification.

- a. Customer alerts ETWD about fraudulent activity related to their ETWD account, bank account or credit card.
- b. Response: Verify the customer's identity and notify the department supervisor immediately. Take the appropriate actions to correct the account which may include:

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- i. Assisting the customer with deactivation of their payment method.
- ii. Issuing a service order to connect or disconnect services.
- iii. Updating information on the customer's account.
- iv. Updating the mailing address on the customer's account.
- v. Updating account Red Flag notes.
- vi. Adding or changing an account password.
- vii. Notifying and working with law enforcement officials.
- viii. Notifying and working with third party service providers.

6. Notification of active Identity Theft.

- a. Receiving notification that the ETWD account has been established by a person engaged in identity theft.
- b. Response: These issues should be reviewed by the department supervisor immediately. The claim must be investigated, and appropriate action must be taken to resolve the issue as quickly as possible.

H. Program review and reports

Initially ETWD will undertake a detailed review including:

- 1. Identify the types of customer information currently maintained,
- 2. Assess the security of current customer accounting system inclusive of an analysis of any prior incidents of identity theft,
- 3. Identify our potential vulnerabilities and the particular Red Flags that would prompt staff to react,
- 4. Develop a process to maintain or enhance the maintenance of identifying customer information.

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This Program will be annually reviewed for compliance and effectiveness. Changes in Identity Theft methods, detection and prevention will be analyzed. The District's staff will present any recommended changes and Identity Theft Activity to the Finance Committee of Board for approval.

I. Staff Training

ETWD staff responsible for implementing the Identity Theft Prevention Program shall be trained by their immediate supervisors.

J. Service Provider Arrangements

ETWD will take the following steps to ensure the service provider performs its activity in accordance with reasonable policies and procedures designed to detect, prevent, and mitigate the risk of Identity Theft.

1. Require, by contract, that service providers have such policies and procedures in place.



STAFF REPORT

To: Board of Directors

Meeting Date: April 22, 2021

From: Dennis Cafferty, General Manager

Subject: COVID-19 Update

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.

The most recent data reflects the continuation of the improvement in COVID cases that Orange County has achieved in the last couple months. As of April 15, hospitalizations in Orange County have reduced to 125 with 29 in the ICUs down from respective peaks of 2,259 and 547 in early January.

The following data for the County of Orange, from April 15, reflects significant improvement relative to each of the County Risk Level metrics as compared to the data from previous months. The County is currently in the Orange Tier of the State Tiered System for County Risk Levels.

	April 15		March 18		February 18	
	Metric	Tier	Metric	Tier	Metric	Tier
Daily Case Rate per 100,000	3.0	Orange	4.0	Red	20.7	Purple
Test Positivity Rate	1.6%	Yellow	2.2%	Orange	7.8%	Red
Health Equity Quartile Positivity Rate	1.8%	Yellow	3.5%	Orange	10.7%	Purple

The State of California 7-day positivity rate, as of April 15, is similarly at 1.7%. As of April 13 there are no counties in the Purple Tier in the State with 22 counties in the Red Tier, 33 counties in the Orange Tier and 3 counties in the Yellow Tier.

Governor Gavin Newsom recently announced a plan to fully open the California economy on June 15 if two criteria are met:

- If vaccine supply is sufficient for Californians 16 years and older who wish to be inoculated; and
- If hospitalization rates are stable and low

The County of Orange continues to distribute vaccine through a variety of resources. As of April 15, all Californians, 16 years and older, are eligible for vaccination.

Through April 11, 595,000 people in Orange County have received their first vaccine dose and another 687,500 people have received both the first and second dose. In addition, 65,600 people have received the single dose Johnson and Johnson vaccine. Over 750,000 people in Orange County are now fully vaccinated. 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 nearly 20% that have received their first dose and approximately 23% that are fully vaccinated.

As of April 15, providers have reported administering a total of 24,163,906 vaccine doses statewide

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 to 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 16 employees that have tested positive for the COVID-19 virus. All District staff that tested positive for the virus 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.
- **Vaccination** – The District's employees have been advised of their eligibility and encouraged to consider vaccination. Currently approximately 50% of the District staff has received either their first or second dose or have scheduled an appointment for vaccination.
- **OSHA Requirements** –The Board approved the District's COVID-19 Prevention Program (CPP) at the Special Board Meeting on January 14. District staff has implemented the CPP and continues to monitor employees' adherence to the requirements of the Program.

- 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. 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. Staff has been reminded that vigilance remains necessary even as conditions have seemingly improved.
- Telecommuting – All of the Main Office staff is working remotely to various extents.
- Field Operations – The ETWD Operations Department has returned to their normal 9/80 work schedule. All staff has been reminded that it remains critical to follow all the District’s safety protocols.
- 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

April 2021

I. OFFICE OF THE GENERAL MANAGER

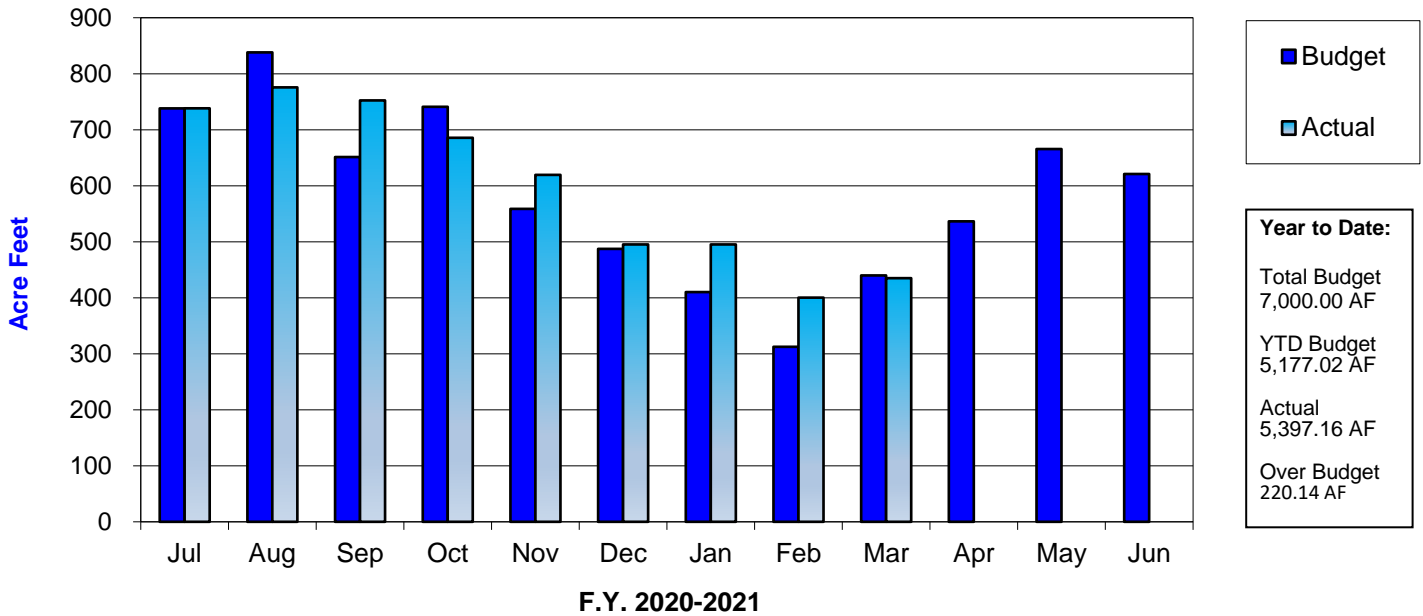
- Attended CSDA SDLF Module 1: Governance Training
- Attended CSDA SDLF Module 2: Setting Direction: Community Leadership
- Attended Joint Agency Meeting to Discuss Proposed Cross Connection Control Policy Handbook
- Attended Meeting with IRWD Regarding Potential Sewer Splitter Diversion
- Attended Meeting with JPIA Regarding Medical Insurance Plan
- Attended Meeting with Arcadis Regarding Urban Water Management Plan
- Attended South County Agencies Meeting
- Attended WateReuse Meeting
- Attended OCWA Webinar
- Attended ETWD RRC Meeting
- Attended ETWD All Employee Meeting
- Attended ETWD Pres/VP/GM Meetings
- Attended ETWD Budget Committee #2 Meeting
- Attended ETWD Agenda Review Meeting
- Attended ETWD Board Budget Workshop
- Attended ETWD Engineering/Finance Committee Meetings
- Attended ETWD Board Meeting
- Attended SOCWA Board Meeting
- Attended SOCWA Finance Committee Meeting
- Attended MWDOC Planning/Operations Committee Meetings
- Attended MWDOC MET Directors Workshop
- Attended MWDOC Board Meeting
- Attended MWDOC Elected Officials Forum

II. DOMESTIC AND RECYCLED WATER SALES

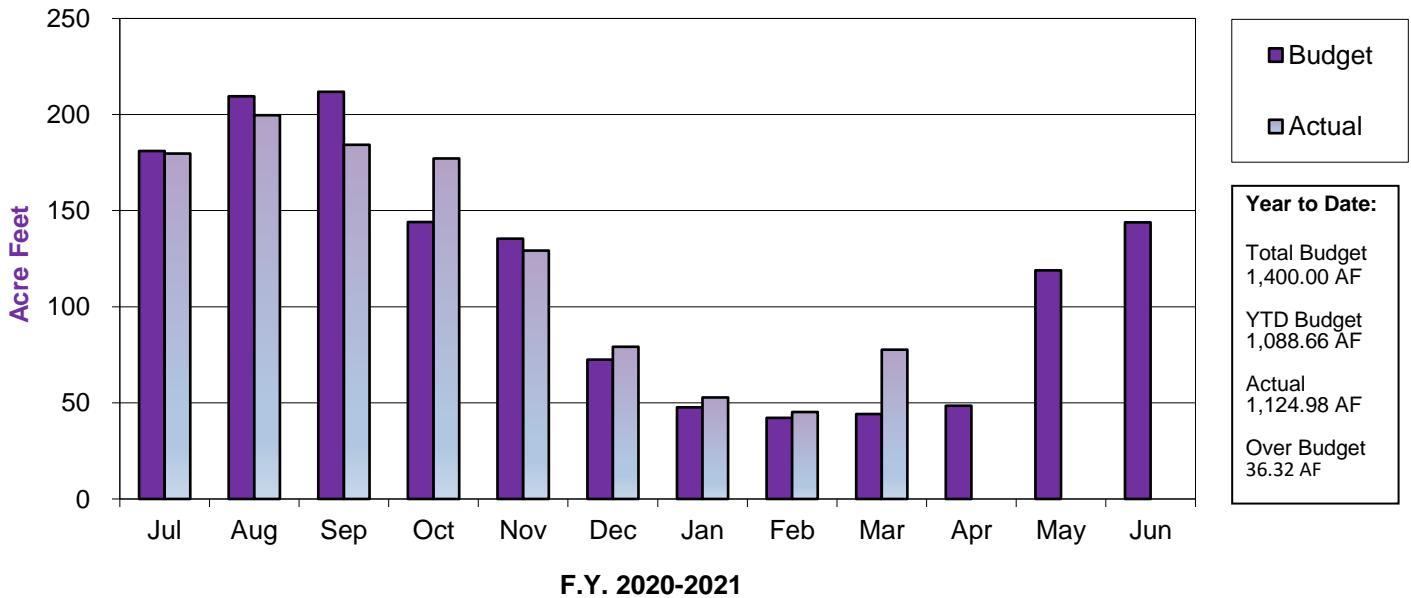
Actual domestic sales for the year-to-date as of March 31, 2021 are 5,397.16 acre-feet. This compares to year-to-date budgeted domestic sales of 5,177.02 acre-feet. The year-to-date variation in actual to budgeted sales reflects an increase of 220.14 acre-feet. Actual sales are 200.86 acre-feet higher than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of March 31, 2021 are 1,124.98 acre-feet. This compares to year-to-date budgeted recycled sales of 1,088.66 acre-feet. The year-to-date variation in actual to budgeted sales reflects an increase of 36.32 acre-feet. Actual sales are 208.65 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	MAR 2021	MAR 2020	Telephone Calls	MAR 2021	MAR 2020
Serviceman Dispatched to Read, Connect/Disconnect Service	74	64	Change of Service: Connections and Disconnections	86	76
Field Investigations:			Billing / Payments & Graph Inquires	191	282
Check for leaks - calls to CS Office:(irrigation,meter,street leaks)			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	12	42
Customer Responsible	9	24	Variance / Adjustment Inquiries	20	16
District Responsible	8	7	Variance / Adjustment Requests Processed	9	7
None found/other	4	22	Ordinance Infraction / Water Waste Complaints	1	1
High Reads Checked - High Consumption (Billing Dept.)	15	23	Outside Utility Districts	74	61
Cust Leaks: _3_ No Leaks: _12_ Check Stopped Slowed Meters-Low Consumption (Billing)	14	16	Phone calls Transfer to other Departments within ETWD	62	83
Re-Check Read	2	7	Phone calls for the Board of Directors	1	0
Ordinance Infraction	0	1	Recycled Water	0	0
Recycled Water	0	0	Water Quality Taste - Odor - Color	4	4
Water Quality: Taste / Odor / Color	4	2	Leaks / Breaks	15	24
Phone response: _4_ Field response: _0_ Flooding (Hydrant) Meters issued	1	0	Flooding Meter calls (Hydrant)	4	1
Sewer - Odor/Stoppage/ Manhole Covers	5	2	Sewer Problems (odor / spills)	4	4
Meter Box: Lids / Covers Replaced	19	14	Backflow / Cross Connection (questions or yearly testing forms)	0	2
Meter Box Clean, Digout	8	7	ETWD facilities inquiries: Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	18	16
Raised Meter Box	1	1	Tyco (ADT) Calls (Alarms to ETWD facilities)	4	4
Trim Bushes / Meter Obstruction	27	8	ATT Calls (access to tower sites)	0	0
General Maintenance Response	4	3	SCE Calls (access to tower sites)	0	0
Fire Hydrants: Hit / Leaks / Caps	2	0	Pager Calls specifically for Pump Stations - SCADA	0	0
Pressure(psi) Checks / Reads	4	3	Payment Extensions	1	20
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	5	6	Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)	185	0
AMS angle-meter-stop replace/repair	0	0	Return Calls from customers left on our voice mail system. Ext 500	7	23
Bees Removed	0	0	Email Correspondence:	135	83
Backflow / Cross Connection	8	0	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	7	3
Fogged Registers	62	11	Misc. (other: employment, deliveries, sales calls)	33	45
OMCOP: Old Meter Change - Out Program	4	0			
Other: (uncommon non-maintenance calls)	4	9			
On-Call After Hrs. CS Response	13	18			
# 48/24 Hr. Door Hangers Hung	0	1			
# Locked Off For Non-Pay (Disconnect)	0	0			
Removed Meter	0	1			
New Meter	4	4			
Unread Meters	2	19			
Total Field Investigations	303	273	Total Telephone Calls	873	797
Uncollectible Accounts:			Credit Card Payments	MAR 2021	MAR 2020
Budget YTD	\$15,000.00	\$ 15,000.00	REGULAR	943	\$99,973.49
Actual YTD	\$11,561.00	\$ 6,509.00		800	\$78,195.41

(WRP) Tertiary Treatment Plant

March-21

Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q, MGD	0.126	0.650	0.064	0.840
Total Q, MG	3.893	20.151	1.989	26.033
Total Acre Feet	11.947	61.841	6.104	79.892

* No Potable make-up water was used to supplement the demand for Recycled Water in March

MICROBIOLOGICAL MONITORING

March 2021

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

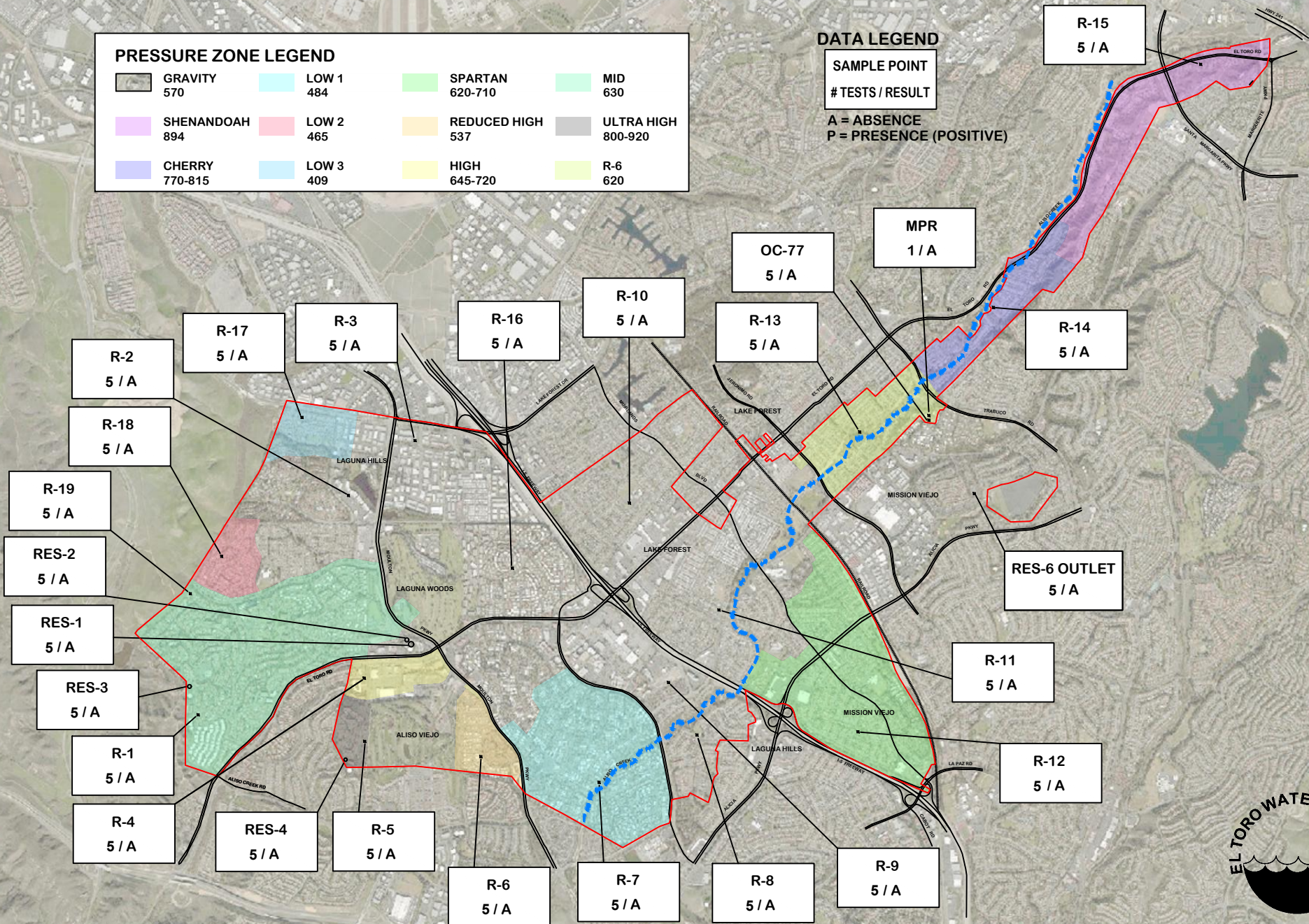
DATA LEGEND

SAMPLE POINT

TESTS / RESULT

A = ABSENCE

P = PRESENCE (POSITIVE)

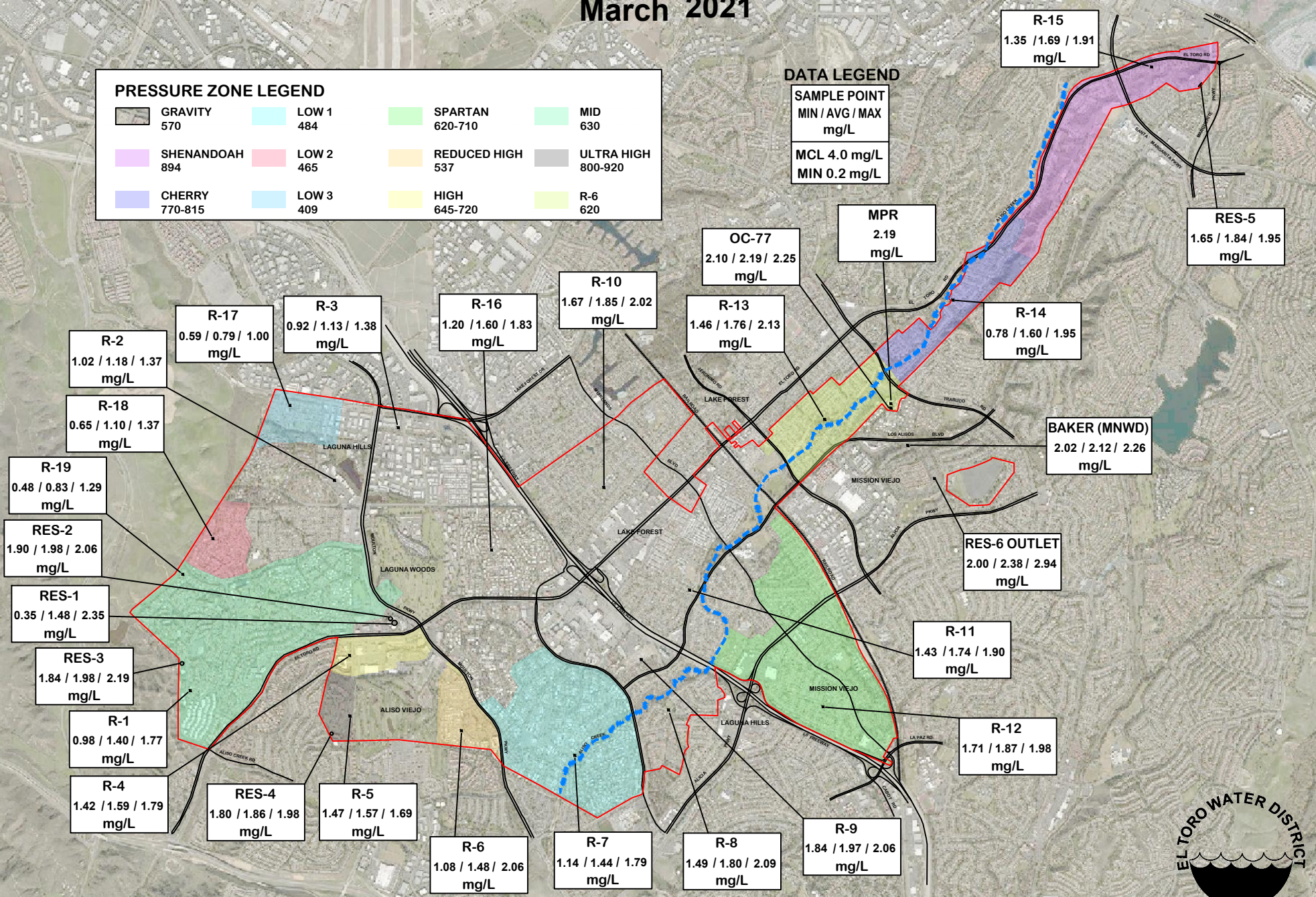


CHLORINE RESIDUAL MONITORING

March 2021

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



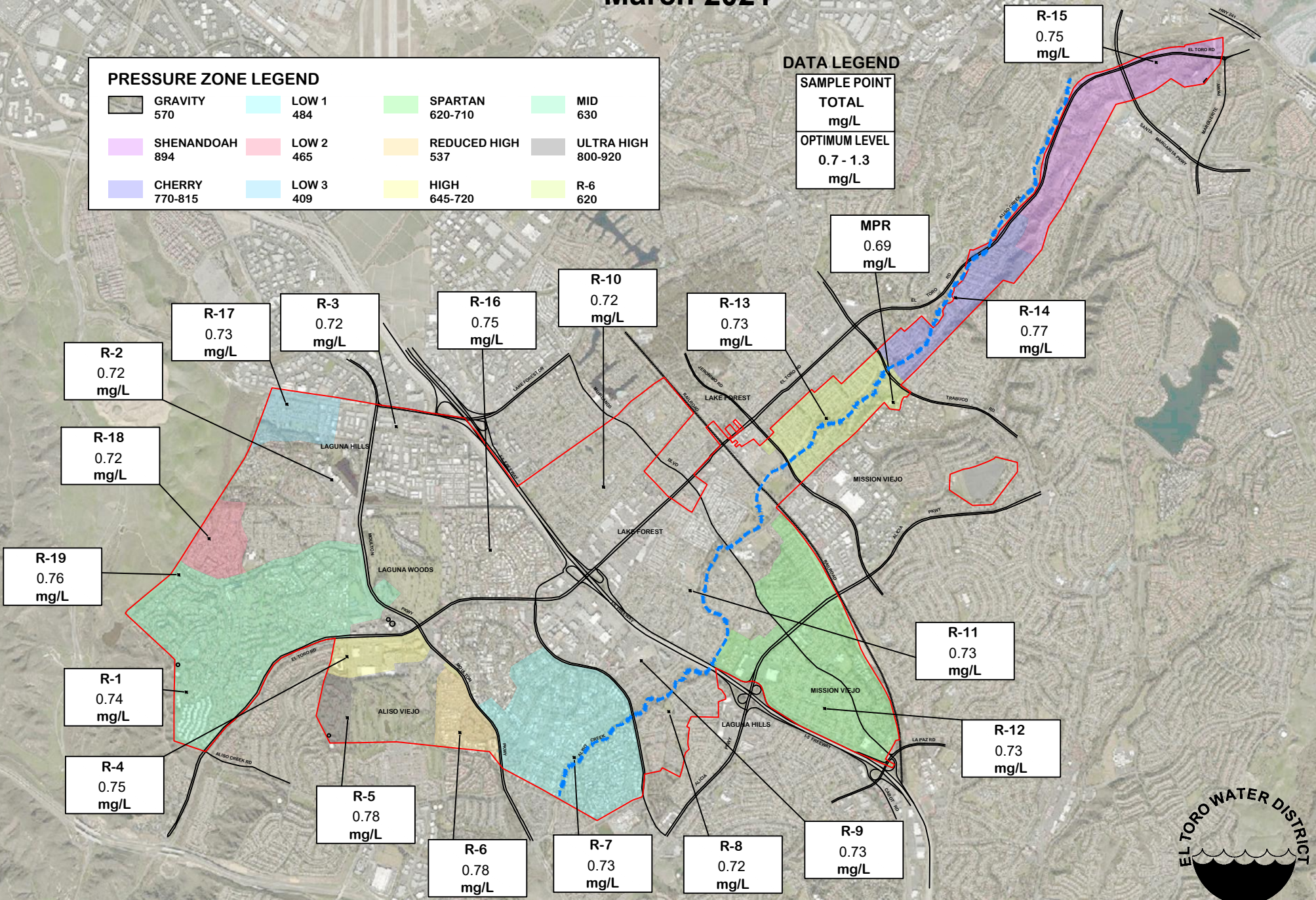
FLUORIDE MONITORING

March 2021

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

DATA LEGEND

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

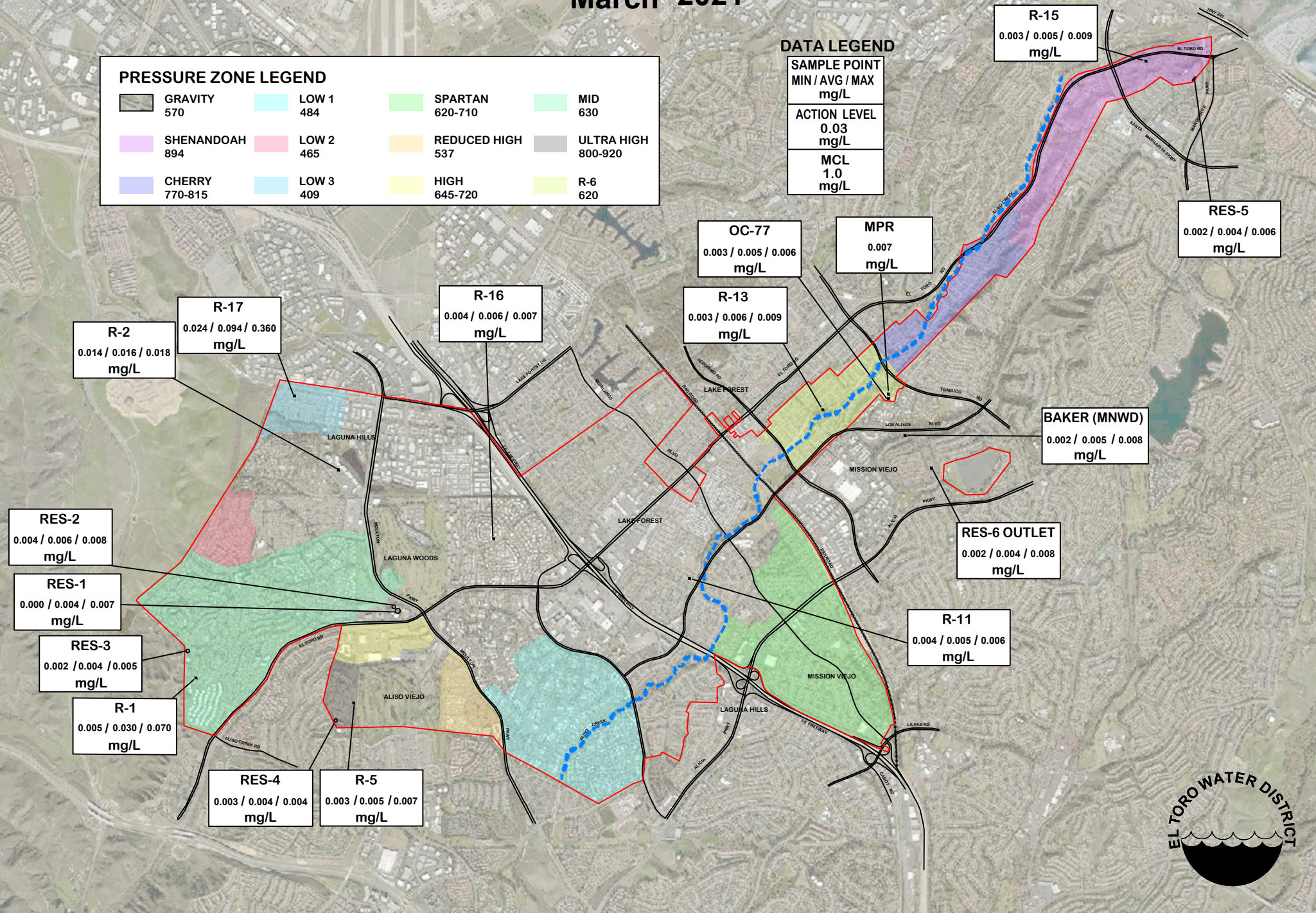


NITRITE MONITORING

March 2021

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

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



R-15
0.003 / 0.005 / 0.009
mg/L

RES-5
0.002 / 0.004 / 0.006
mg/L

MPR
0.007
mg/L

OC-77
0.003 / 0.005 / 0.006
mg/L

R-13
0.003 / 0.006 / 0.009
mg/L

R-16
0.004 / 0.006 / 0.007
mg/L

BAKER (MNWD)
0.002 / 0.005 / 0.008
mg/L

RES-6 OUTLET
0.002 / 0.004 / 0.008
mg/L

R-11
0.004 / 0.005 / 0.006
mg/L

R-17
0.024 / 0.094 / 0.360
mg/L

R-2
0.014 / 0.016 / 0.018
mg/L

RES-2
0.004 / 0.006 / 0.008
mg/L

RES-1
0.000 / 0.004 / 0.007
mg/L

RES-3
0.002 / 0.004 / 0.005
mg/L

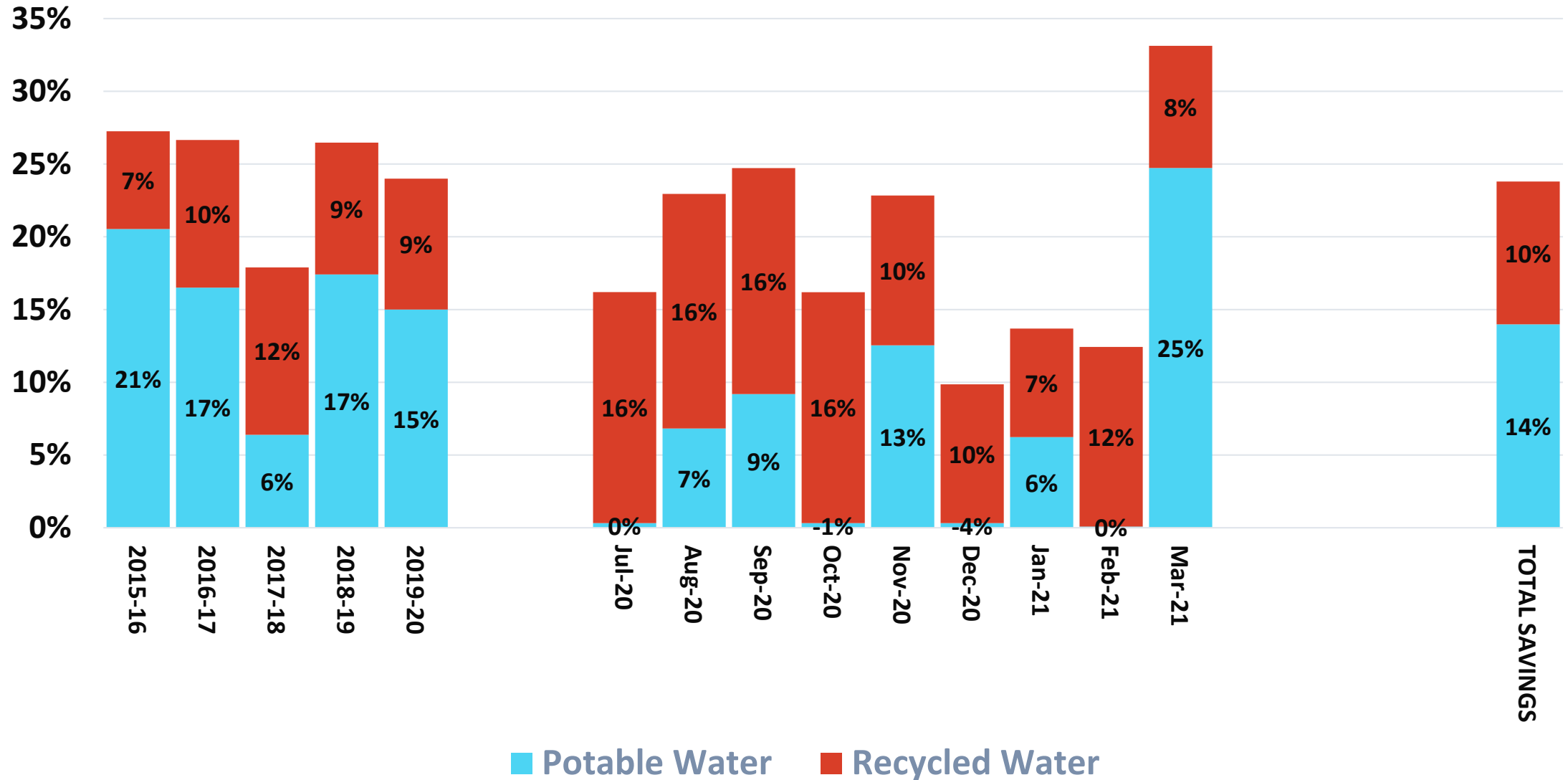
R-1
0.005 / 0.030 / 0.070
mg/L

RES-4
0.003 / 0.004 / 0.004
mg/L

R-5
0.003 / 0.005 / 0.007
mg/L



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 bacteriological activity within the finished or treated water system. MWD has developed an effective nitrification monitoring and prevention program which ETWD staff have adopted and incorporated into the District's daily water quality monitoring and action plan. The number and frequency of this type of monitoring is not currently regulated by CDPH. Staff monitor the level of nitrites in source water, reservoirs and the distribution system daily and weekly in conjunction with the microbiological and chlorine sampling program. A nitrite level of between 0.015 and 0.030 would signal an alert. > 0.030 would require action such as the addition of chlorine to produce a chloramine residual.

EL TORO WATER DISTRICT MONTHLY POTABLE WATER QUALITY ANALYSIS					
MONTH:		MARCH		YEAR : 2021	
CONSTITUENT ANALYSIS	INSIDE LAB			OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	180	Absence		Average
2 Chlorine (ppm)	Detectable Resid	243	Average = 1.50 ppm		
3 TTHM (ppb) (Stage 2)	80 ppb		N/A		
3 HAA5 (ppb) (Stage 2)	60 ppb		N/A		
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.01 to 0.05		
Odor	3 Units	20	ND<1		
Color	15 Units	20	ND<5		
Temperature	No standard	20	55.0°F To 65.0°F		
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	119	0.00 to 0.008 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: MARCH 2021

ODOR COMPLAINTS	MONTHLY	ANNUAL	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village	0	1			
Laguna Woods Village	1	2	918 Unit D Ave Majorca, Laguna Woods		
New World	0	0			
Private System	0	1			
Other: WRP	0	0			
TOTAL	1	4			
ROOT FOAMING	FOOTAGE	CHEMICAL USED	COMMENTS		
Outside Laguna Woods Village	0	0			
Laguna Woods Village	0	0			
New World	0	0			
Other	0	0			
TOTAL	0	0			
ROOT CUTTING	FOOTAGE	COMMENTS:			
Outside Laguna Woods Village	0				
Laguna Woods Village	0				
New World	0				
TOTAL	0				
HYDRO-CLEANING ¹	MONTHLY FOOTAGE	TOTAL CYCLE FOOTAGE	TOTAL CYCLE COMPLETE	PERCENT OF CYCLE COMPLETE	PERCENT OF WEEKS INTO THE 2 YEAR CYCLE
Outside Laguna Woods Village	63,829	344,265	356,735	104%	35%
Laguna Woods Village	3,442	263,336	16,721	6%	35%
New World	0	7,728	0	0%	35%
Private System	0	0	0		
TOTAL	67,271	615,329	373,456	61%	35%
Hot Spots	24,171	0	191,783		
COMBINED TOTALS:	91,442	807,112	565,239		
TV INSPECTIONS ²	MONTHLY FOOTAGE	TOTAL CYCLE	TOTAL CYCLE COMPLETE	PERCENT CYCLE COMPLETE	PERCENT OF WEEKS INTO THE 5 YEAR CYCLE
Outside Laguna Woods Village	13,435	344,265	27,619	8%	3%
Laguna Woods Village	0	263,472	3,321	1%	3%
New World	0	8,556	0	0%	3%
Private System	0	0	0		
Other	0	0	0		
TOTAL	13,435	616,293	30,940	5%	3%
Wet Well Cleaning	3		Mathis, Westline, Veeh 1 & 2		
Flow Meter/Sampling	0				
Water Tank Fills	92	92,000			
1. The Hydrocleaning Objective is a 2 Year Cycle to Clean the Entire System. The current cycle began on 07/01/2020					
2. The TV Inspection Objective is a 5 Year Cycle to Inspect the Entire System. The current cycle began on 01/25/2021					

Weekly Water Quality System Status

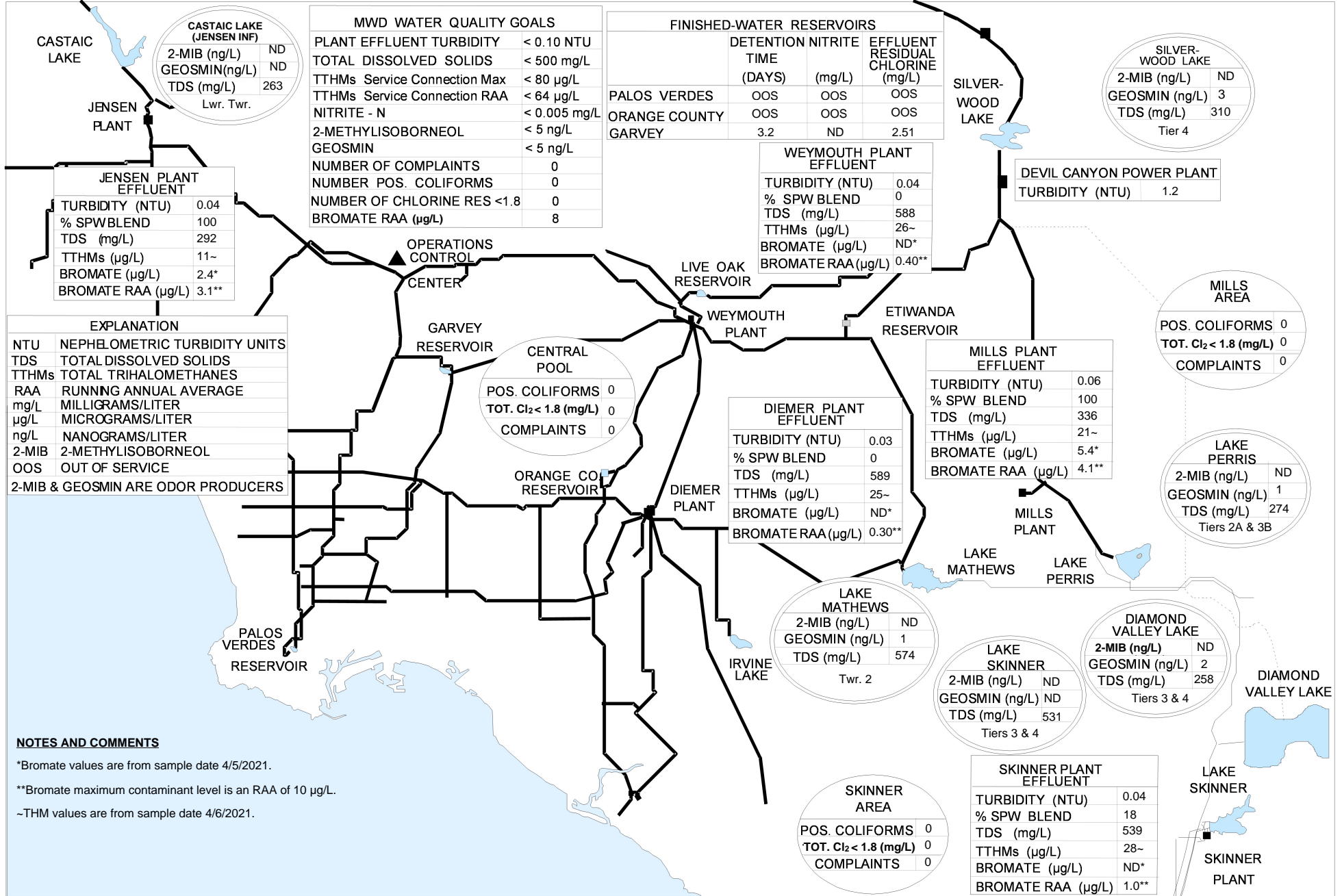
Wednesday, April 14, 2021

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THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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

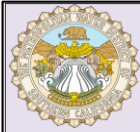


NOTES AND COMMENTS

- *Bromate values are from sample date 4/5/2021.
- **Bromate maximum contaminant level is an RAA of 10 µg/L.
- ~THM values are from sample date 4/6/2021.

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

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

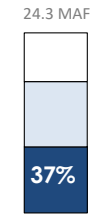
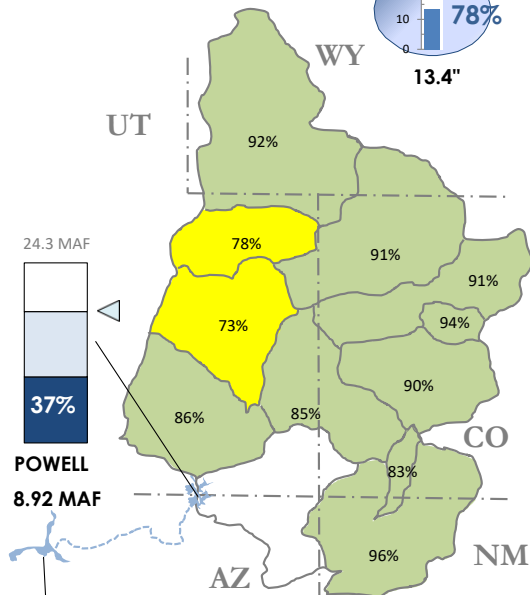
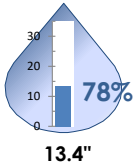


Water Supply Conditions Report

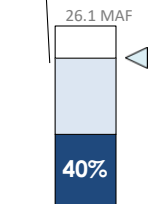
As of: 03/25/2021

2021 Colorado River

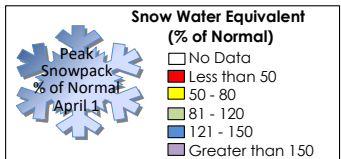
1,069,000 AF
Projected CRA Diversions



POWELL
8.92 MAF



MEAD
10.38 MAF
1084.37 FT



Turn page for more CRA Data

Flip Over for SWP Data

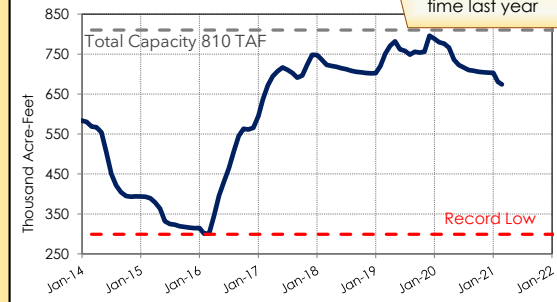
Highlights

- ◆ Snowpack in the Sierra is at 64% of normal
- ◆ Precipitation at the 8 Station Index is at 53% of normal
- ◆ Snowpack in the Upper Colorado is at 88% of normal
- ◆ Precipitation in the Upper Colorado is at 78% of normal

Diamond Valley Lake Storage

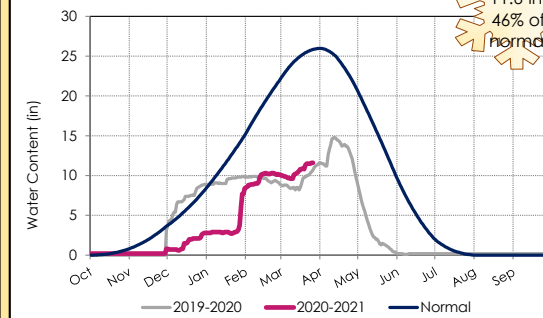
Capacity: 810 TAF

102 TAF less in storage than this time last year

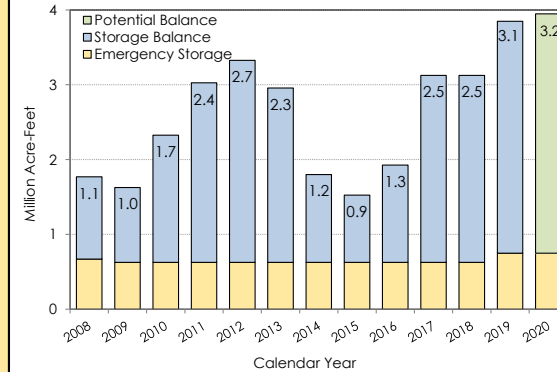


Southern Sierra Snowpack

11.6 in. 46% of normal



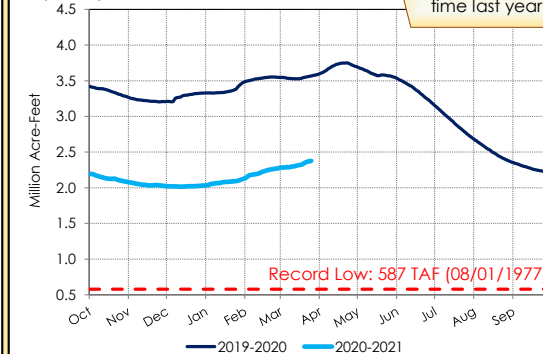
MWD Storage Reserve Levels



Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

1.19 MAF less in storage than this time last year



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

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

This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters. Questions? Email mferreira@mwdh2o.com

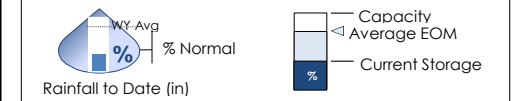
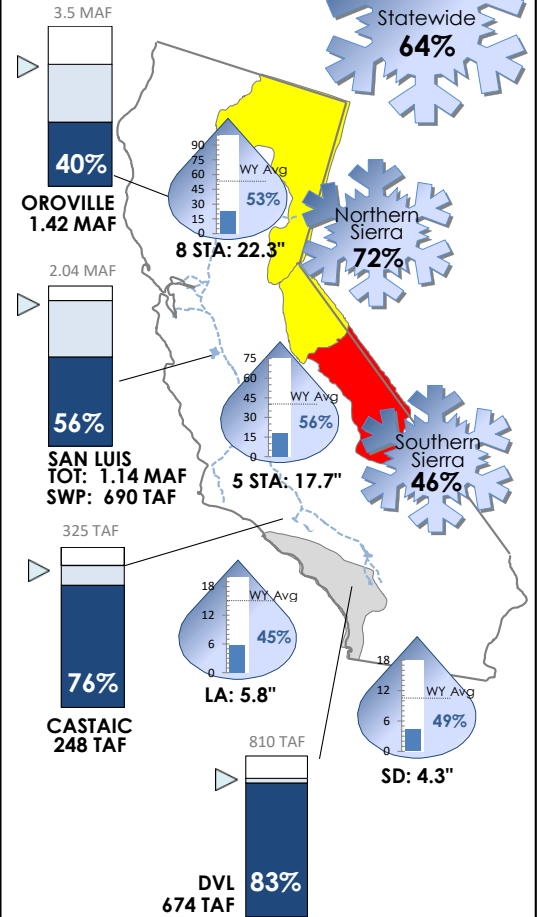


Water Supply Conditions Report

As of: 03/25/2021

2021 SWP Allocation

95,575 AF
5% of Table A

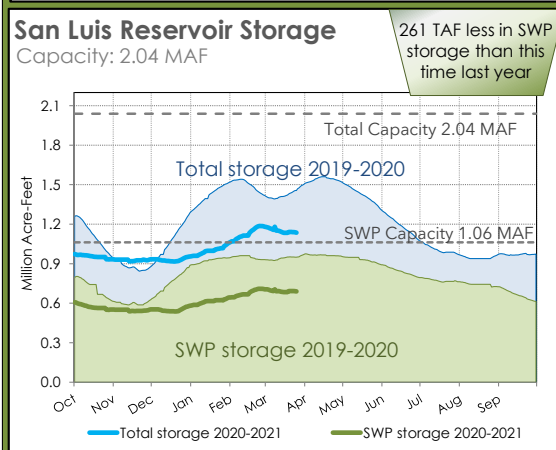
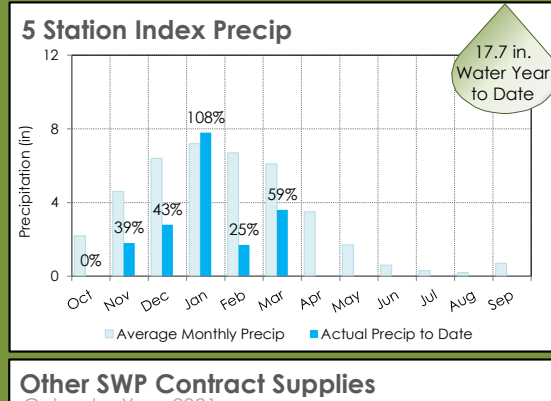
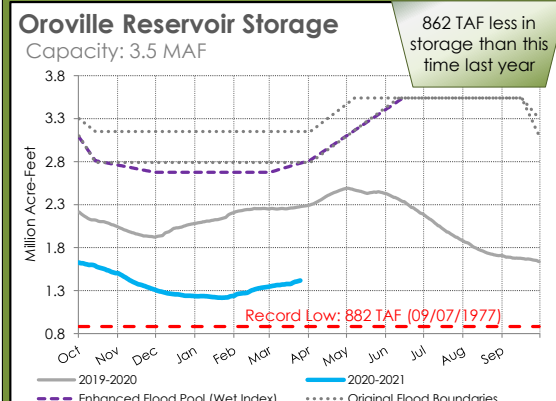
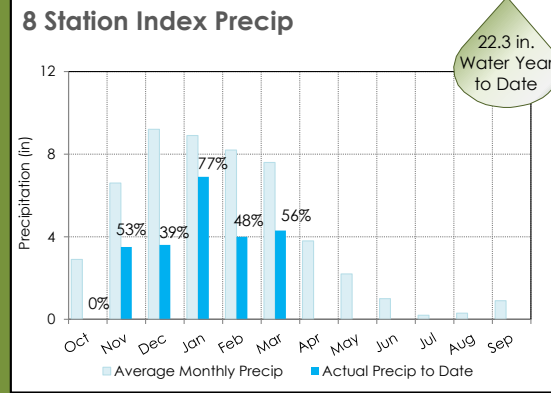
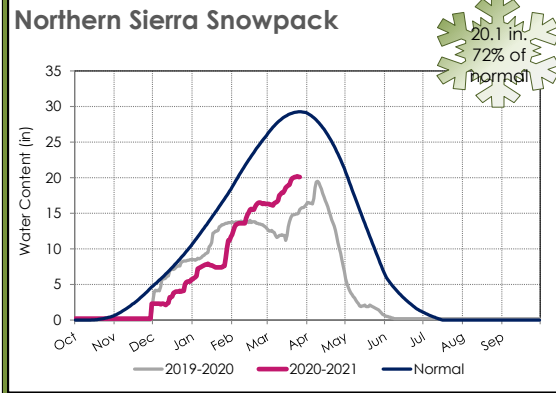


Flip Over for CRA Data

Turn page for more SWP Data

As of: 03/25/2021

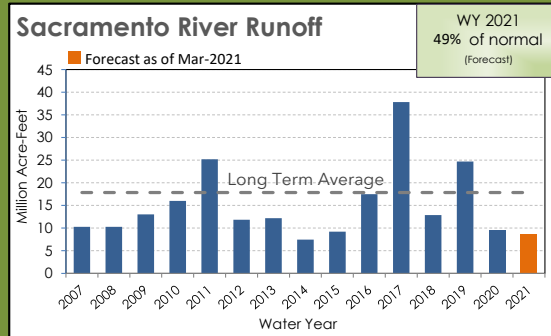
State Water Project Resources



Other SWP Contract Supplies

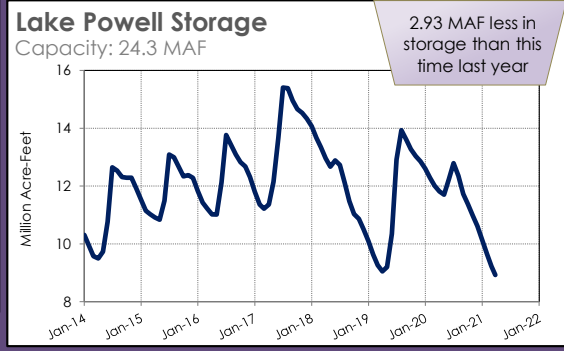
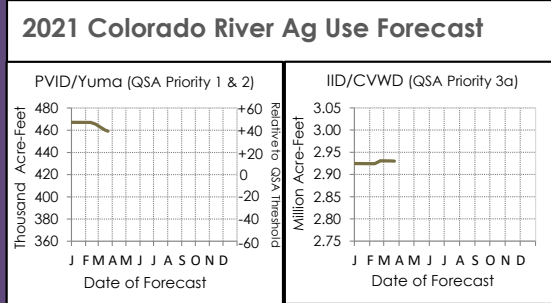
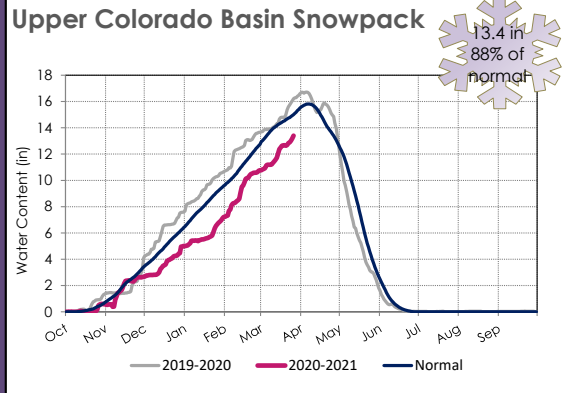
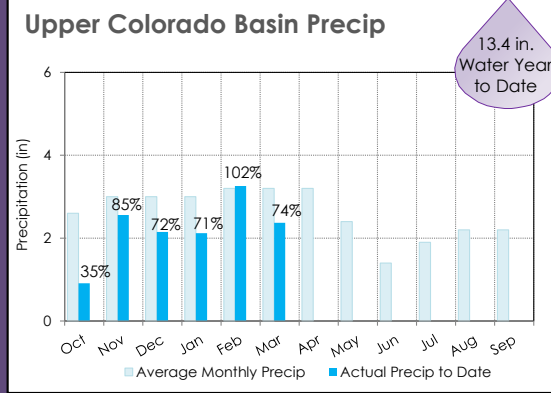
Calendar Year 2021

Carryover	207,000 AF	Transfer Supplies	TBD
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Colorado River Resources

As of: 03/25/2021



Lake Mead Shortage/Surplus Outlook

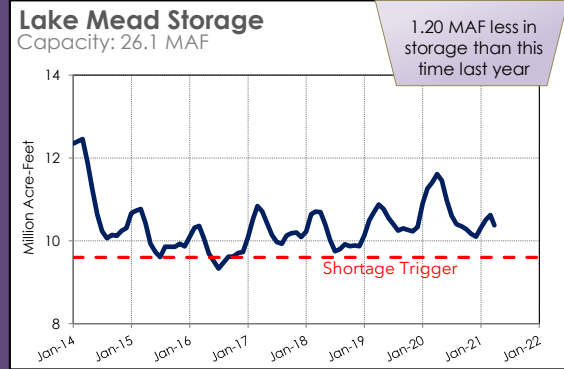
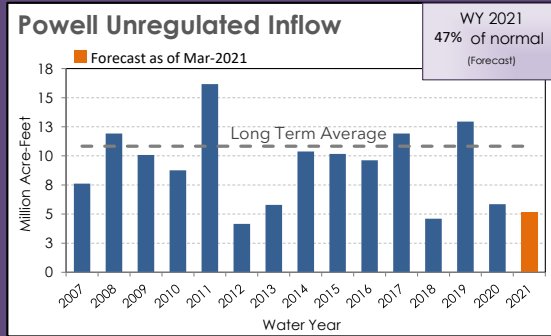
	2021	2022	2023	2024	2025
Shortage	0%	60%	82%	75%	73%
Surplus	0%	0%	0%	2%	5%

Likelihood based on results from the January 2021 MTOM/CRSS model run. Includes DCP Contributions.

Projected Lake Mead ICS

Calendar Year 2021

Put (+)/Take(-)
-54,000 AF



WILL SERVE REQUEST STATUS REPORT

(March 2021)

**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
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
6/11/20	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
tbd	Merlone Geier Partners	Village at Laguna Hills	ND	LH Mall Site	Pending	n/a

ND = New Development

TI = Tenant Improvement

**EL TORO WATER DISTRICT
UNAUTHORIZED DISCHARGE SUMMARY
YEAR OF 2021**

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 16, 2021	Private	Recycled Water	Veeh Ranch Park	Broken Recycled Water Pipe	Turned off customer side ball valve. Called Laguna Woods to fix it.			Notified City ball valve was off and needed to fix it	8	Storm Drain				4448	Region 8, Laguna Woods
February 27, 2021	Private	Sewer	22292 Caminito Tecate	Root Intrusion	Placed sand bags in gutter to prevent spill from entering storm drain. Told residences to stop using water until crew unblocked the sewer.			Notified City and stayed and did surface clean up around residence	8	Gutter and paved surfaces			35	35	Region 8, Laguna Hills, OCHED Flood Control
March 7, 2021	Private	Sewer	20702 El Toro Rd. Lake Forest	Root Intrusion	Placed sand bags in gutter to prevent spill from entering storm drain. Told residences to stop using water until crew unblocked the sewer.			Notified City other agencies and stayed to help with surface clean up around residence	9	Parking Lot., gutter, storm drain			6000	4301	Region 9, Lake Forest, OCHED, Flood Control, OES
March 14, 2021	Private	Sewer	23526 El Reposa Aliso Viejo	Root Intrusion	No spill on paved or dirt surfaces. Blockage contained to lateral. Upstream and downstream laterals were checked and flowing freely.			Cleared blockage and Collections were going to return on 3-15-21 to with jetter to clean the line	8	Stayed inside the lateral			0	0	No agencies were called due to no sewage actually spilled out of lateral
March 18, 2021	Public	Sewer	24361 Oshrey Dr. Lake Forest	Lateral Lining Material	Placed sand bags in gutter to prevent spill from entering storm drain. Had to run the TV truck up the line to figure out what caused spill. Brought out two vacor trucks and Spill trailer to take pressure off line to reduce the effect of the overflow			Collections Department went out Friday to cut the slip line material out of the customers lateral	8	Street, paved surfaces, gutter and storm drain	2184.25	200			Region 8, OCEH, OES, left message with Lake Forest
March 20, 2021	Private	Sewer	22881 Caminito Azul Laguna Hills	Debris	Placed sand bags in gutter to prevent spill from entering storm drain. Told residences to stop using water until crew unblocked the sewer.			Notified City and stayed and did surface clean up around residence. HOA was notified that the issue needed to plumber to come back out.	8	Private street, gutter and storm drain.			100	50	Region 8, OCEH, left message with Lake Forest
LEGEND											2,184	200	6,135	8,834	

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



BEST BEST & KRIEGER
ATTORNEYS AT LAW

To:	Municipal Water District of Orange County
From:	Syrus Devers, Best Best & Krieger
Date:	April 1st, 2021
Re:	State Legislative Report

Legislature:

The Legislature returns from the Spring Recess on April 5th and begins one of the three busiest times of the year. (The other two being the budget deadline and the end of session.) Bill authors who have been slow to set their bills now have to meet the policy committee deadline of Friday, April 30th to keep their bills alive, but not all committees meet every week and authors may be forced to accept whatever hearing date they get. Keep in mind that bills do not really die in the first year of the two-year legislative session, they simply become “two-year bills” and they get another chance next January to continue moving.

In addition to the bills on the Action Item list, staff would like to bring the following bills to the attention of the Board for informational purposes:

AB 1195 (C. Garcia)--This bill would create the Southern Los Angeles County Regional Water Agency for cities and unincorporated communities within the Central Basin and West Coast Basin aquifers, and have the same jurisdiction boundaries as the Water Replenishment District of Southern California. The bill is attracting significant attention because it would grant the new agency all necessary powers to operate a retail water agency, as well as broad powers to consolidate water districts “as directed by the State Water Resources Control Board.” The bill has not been set for a hearing. The affected cities and the Central Basin Municipal Water District are discussing amendments with the author at this time and have yet to take positions on the bill, at least as far as BB&K staff has been informed. Likewise, MWD has not adopted a formal position. In light of the current status of the bill, staff is not asking the Board to consider a position on the bill at this time and will keep the Board informed of any changes.

SB 480 (Stern)-- This bill would amend the Metropolitan Water District Act, which always demands attention. It would require the MWD Board to adopt, by rule, a code of conduct prohibiting inappropriate conduct as defined by the bill. The merits are self explanatory, but it is uncommon for a statute to require a public agency to formally adopt a rule such as this. The bill is not set for a hearing at this time and it will not likely receive significant attention. Staff is reporting on the bill simply because it would be remiss in its duties to not mention a bill that amends the MWD Act to the Board.



BEST BEST & KRIEGER
ATTORNEYS AT LAW

AB 1296 (Kamlager)-- Although the South Coast Air Quality Management District (SCAQMD) is not a regular focus for MWDOC, most municipal agencies are impacted by its actions. This bill would give the Assembly and Senate one additional appointee to the SCAQMD board. The purpose of the bill is certainly laudable in that it seeks to give greater representation to disadvantaged and underrepresented communities. The noteworthy issue, however, is the math behind how it achieves this goal. The current board consists of 13 members with the Governor, the Assembly, and the Senate each having one appointee. The others are drawn from local government. That results in 23% of the board coming from state political appointments. This bill would make SCAQMD a 15 member board with 5 state political appointees, or 33%. Giving a greater voice to underrepresented communities requires no justification, but accomplishing that goal by expanding the influence of state government over SCAQMD seems to call out for an explanation.

Newsom Recall:

The proponents of the recall have very likely turned in a sufficient number of signatures to trigger a recall. Once validated, a complicated process begins where there is ample room for political manoeuvring. The two main wildcards are when the election is set and who signs on to challenge Newsom. Secretary of State Shirley Weber, who was just appointed by Newsome, has significant power to determine when the election will take place and, far more importantly, how long challengers have to file and conduct a statewide campaign. Worse for the proponents, Newsom's poll numbers are rising as the pandemic restrictions ease and California moves into the lead pack of state vaccination rates. According to a recent PPIC poll, 56% of voters would oppose the recall if the election were held today.

Miscellaneous:

Not falling into any particular category but critical to staying informed on matters of interest to the Legislature is redistricting, and nobody seems to be saying much about it. Part of the reason is that the necessary census data will not be available in time for the state's Redistricting Commission to meet its August 15th deadline due to delays caused by the pandemic. A legal ruling has given the Commission until December to draw new maps. Setting deadlines aside, the process itself is one of the most significant political events in California. (Note the period.) Supposedly, politics were taken out of the process back in 2008 when voters established an independent commission to draw political boundaries. In 2011, the Republican Caucus Chair in power at the time believed it would be inappropriate to interfere in the process and Republican operatives were largely sidelined. Democrat operatives, by contrast, shifted into overdrive and the results were devastating for Republicans. That process is about to restart.

The County of Orange Report

Prepared for the MWDOC P&O Committee

March 30, 2021
by Lewis Consulting Group

John Moorlach Denied Return to Board of Supervisors Costa Mesa Mayor Katrina Foley Wins Handily

WITH ALL VOTES COUNTED		
FOLEY	48,346	43.8%
MOORLACH	34,747	31.5%
MULDOON	12,773	11.6%
VO	9,886	9.0%
RAPPAPORT	4,695	4.2%

With the votes tabulated for the special election, Orange County continued its recent trend of being defined as a purple county. Costa Mesa Mayor Katrina Foley will now join Doug Chaffee as the second elected Democrat on the Orange County Board of Supervisors.

The Orange County Republican establishment proved to be no match for Orange County Unions in this election, as there was no answer to the campaign mail that pilloried John Moorlach throughout the district.

Unless new redistricting maps can cement a future GOP majority, Democrats appear to be headed for a Board majority in no more than four years.



Board of Supervisors March 9th Meeting

The Board of Supervisors COVID-19 briefing this meeting had a sense of optimism as progress seemed to be the word of the day. March 9th was also the date that ended a full week of improving metrics which following a second week of the same, allowed Orange County to move from the purple COVID-19 tier to the less onerous red tier. Of the three metrics that are considered, the daily case rate, the positivity rate and the health equity rate, one is currently in the red zone, while two others have met orange targets. A county may not improve two tiers at a time, but it is possible Orange County could be in the **orange tier** as early as March 31, 2021. So far 11.6 million doses of vaccine have been administered in California, resulting in 30% of the population receiving at least one dose while 15% of the population is fully vaccinated. In Orange County, about 45,000 doses per 100,000 in population have been administered. It is estimated that 90% of Orange Countians 65 years or older have

been vaccinated. With the Johnson & Johnson vaccine being introduced in Orange County, more vaccination sites will continue to open.

WHAT THE TIERS MEAN FOR US

SECTORS	Widespread Tier 1	Substantial Tier 2	Moderate Tier 3	Minimal Tier 4
Critical Infrastructure	Open with modifications	Open with modifications	Open with modifications	Open with modifications
Limited Services	Open with modifications	Open with modifications	Open with modifications	Open with modifications
Outdoor Playgrounds & Outdoor Recreational Facilities **	Open with modifications	Open with modifications	Open with modifications	Open with modifications
Hair Salons & Barbershops	Open Indoors with modifications	Open Indoors with modifications	Open indoors with modifications	Open indoors with modifications
All Retail (including critical Infrastructure, except standalone grocers)	Open Indoors with modifications • Max 25% capacity	Open Indoors with modifications • Max 50% capacity	Open Indoors with modifications	Open Indoors with modifications
Shopping Centers (Malls, Destination Centers, Swap Meets)	Open Indoors with modifications • Max 25% capacity • Closed common areas • Closed food courts	Open indoors with modifications • Max 50% capacity • Closed common areas • Reduced capacity food courts (see restaurants)	Open indoors with modifications • Closed common areas • Reduced capacity food courts (see restaurants)	Open Indoors with modifications • Reduced capacity food courts (see restaurants)

SECTORS	Widespread Tier 1	Substantial Tier 2	Moderate Tier 3	Minimal Tier 4
Hotels and lodging	Open with modifications	Open with modifications • +Fitness centers (+10%)	Open with modifications • +Fitness centers (+25%) • +Indoor pools	Open with modifications: • +Fitness Centers (50%) • +Spa facilities etc
Gyms and Fitness Centers	Outdoor Only with modifications	Open Indoors with modifications • Max 10% capacity	Open indoors with modifications • Max 25% capacity • +Indoor pools	Open indoors with modifications • +Saunas • +Spas • +Steam rooms • Max 50% capacity
Restaurants	Outdoor Only with modifications	Open indoors with modifications • Max 25% capacity or 100 people, whichever is fewer	Open indoors with modifications • Max 50% capacity or 200 people, whichever is fewer	Open indoors with modifications • Max 50% capacity
Wineries	Outdoor Only with modifications	Outdoor Only with modifications	Open indoors with modifications • Max 25% capacity indoors, or 100 people, whichever is fewer	Open indoors with modifications • Max 50% capacity or 200 people indoors, whichever is fewer

County Sponsors Tom Daly O.C. Flood Control Bill

The Board approved positions on a handful of bills at the Board meeting including a sponsorship position of Assembly Bill 781 authored by Orange County Assemblyman Tom Daly. The following is the Office of Legislative Affairs analysis of the bill.

Current Law:

Existing law authorizes specified works of improvement for the control, conservation, and utilization of destructive flood waters and the reclamation and protection of lands that are susceptible to overflow by flood waters. Existing law prohibits, if there are any major project changes, as provided, money from being reallocated by the state in aid of that portion of the project until a revised plan has been reviewed and approved by the Department of Water Resources.

Background:

Federal authorization for the Westminster-East Garden Grove Flood Risk Management Project was included in the Water Resources Development Act (WRDA) of 2020.

The project area is located within the Westminster watershed in western Orange County. The watershed is approximately 87 square miles in area and is almost entirely urbanized. Cities in the watershed include Anaheim, Stanton, Cypress, Garden Grove, Westminster, Fountain Valley, Los Alamitos, Santa Ana, Seal Beach, and Huntington Beach.

The project area includes portions of four non-federal drainage channels within the watershed and the receiving waters of Outer Bolsa Bay in the Bolsa Chica Ecological Reserve. Flood Control channels within the Westminster watershed receive local storm water runoff and vary in age, size, geometry, and lining material. The channels include the Bolsa Chica Channel (1.5 miles), Westminster Channel (7.8 miles), East Garden Grove/Wintersburg Channel (11.6 miles), and Ocean View Channel (4.1 miles).

Once amended this bill would add the Westminster-East Garden Grove Flood Risk Management Project in the Orange County to the list of eligible projects to receive state flood subvention funding

As authorized by the federal government as part of the Water Resources Development Act (WRDA) of 2020, the Westminster-East Garden Grove Flood Risk Management Project has a current estimated cost of \$1.25 billion, with a total federal cost share of \$315 million, and a local share of \$910 million. Orange County's current 20-year plan has identified \$443 million in revenue to fund the local share, leaving a gap of approximately \$467 million needed to bring the project to completion. As with all WRDA flood control projects, state legislation is required to make the Westminster-East Garden Grove project eligible to receive state flood subvention funding.

Over the past decades, urbanization of the Westminster watershed has increased the potential for flood related damages, and impacts associated with the overtopping of channel systems during short duration, high intensity rainfall events. Urbanization has also increased the total amount of impermeable area, resulting in higher volumes of stormwater being directed to the flood control channels due to limited infiltration opportunities.

Once completed, the project will provide flood control improvements, lead to increased flood protection, prevent approximately \$4 billion in damage from a 100-year flood event, and alleviate home and business owners in the affected communities from paying flood insurance premiums totaling over \$13 million annually.

The state subvention fund enables California to partner with local agencies and share in the costs of federally-authorized projects. If this project is entered into the program, the state would contribute if funds were available between 50% and 70% of Orange County's cost share for the National Economic Development components. AB 781 will make the project eligible for state flood subvention funding.



The Orange County LAFCO met March 10 and concluded its business within an hour. The highlight of the meeting was the unanimous adaption of the agency's proposed 2021/2022 budget. The proposed budget will now be sent out to the County, cities and Special Districts for review and comments.

The proposed budget includes a 7% or \$88,000 increase in expenditures over the current fiscal year. This amounts to a budget of \$1,345,280. 66% of OCLAFCO's spending is the funding of salaries and benefits. 86% of the agency's funding is derived from funding apportionments made up of equal 1/3 amounts from the County, cities and Special Districts. Below is the Special District apportionments:

District	ISDOC Formula Calculation FY 2021-22
Silverado-Modjeska Rec. & Park	\$ 463.30
Surfside Colony Stormwater	463.30
Rossmoor/Los Alamitos Area Sewer District	463.30
Surfside Colony CSD	463.30
Capistrano Bay CSD	2,277.87
Rossmoor CSD	2,277.87
Three Arch Bay CSD	2,277.87
Emerald Bay CSD	2,277.87
Buena Park Library District	2,277.87
Placentia Library District	2,277.87
Orange County Cemetery District	3,436.11
Orange County Vector Control District	4,594.35
Total Non-Enterprise Districts	\$ 23,550.88
Sunset Beach Sanitary District	4,594.35
Serrano Water District	13,783.06
East Orange Co. Water District	13,783.06
Midway City Sanitary District	18,338.80
Trabuco Canyon Water District	13,783.06
Costa Mesa Sanitary District	18,338.80
El Toro Water District	22,933.15
Mesa Water District	22,933.15
Yorba Linda Water District	22,933.15
South Coast Water District	27,527.50
Moulton Niguel Water District	32,121.86
Santa Margarita Water District	32,121.86
Municipal Water District of O.C.	36,716.20
Orange County Water District	41,310.56
Irvine Ranch Water District	41,310.56
Total Enterprise Districts	\$ 362,529.12
Total Special Districts	\$ 386,080.00

In other actions, it was noted that this year's Strategic Planning meeting will be held in June. A decision has not yet been made whether it will be in person or virtual. Also, due to a lack of activity, the April OCLAFCO meeting is cancelled. The next meeting will be held on May 12, 2021.



Recent Poll Throws Cold Water on Recall Chances

A poll conducted by Probolsky Research paints a dim picture for the chances of a successful recall of Governor Newsom.

The poll, taken from March 16-19, 2021 shows that among all voters, the recall is failing 40% YES to 46% NO. Among likely voters the gap is even wider, 35% YES to 52% NO.

The poll of 900 California voters results in a margin of error of +/- 3.3%. The results of this poll varied significantly from the Berkeley based Institute of Governmental Studies whose late January poll showed the Governor with a 48%-46% disapproval rating.

Orange County COVID-19 Stats

ORANGE COUNTY COVID-19 STATS	AS OF 3/30/2021	AS OF 2/23/2021
CUMULATIVE CASES TO DATE	250,537	245,135
CUMULATIVE DEATHS TO DATE	4,740	3,848
DEATHS REPORTED TODAY	14	0
CUMULATIVE TESTS TO DATE	3,332,327	2,980,667
TESTS REPORTED TODAY	7,248	12,783
CASES CURRENTLY HOSPITALIZED	143 * ↓	539 *
CASES CURRENTLY IN ICU	26 ↓	152
CUMULATIVE RECOVERED TO DATE	242,669 * ↑	226,386 *

* = INCLUDES *ICU* CASES

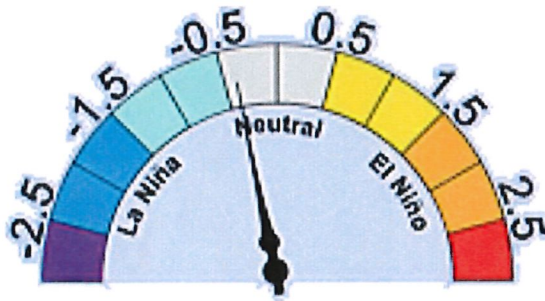
Where Orange County Ranks

[as of 3/30/2021]

LOCATION	POPULATION	CONFIRMED CASES	DEATHS
CALIFORNIA	40,129,160	3,566,464	57,788
LOS ANGELES COUNTY	10,247,557	1,179,736	23,180
ORANGE COUNTY	3,228,519	250,537	4,740
SAN BERNARDINO COUNTY	2,217,398	285,615	4,335
RIVERSIDE COUNTY	2,468,145	282,867	4,133
SAN DIEGO COUNTY	3,370,418	269,771	3,547

Despite Receding La Niña Has Abetted Drought

ENSO METER



On March 2nd the California Department of Resources conducted its latest analysis of the California snow-pack. It found that this year's snow-pack held a water content of only 61% of the March 2nd average. This coupled with below average reservoirs storage portends a challenging water year.

To compound matters, snow-pack in the upper Colorado River basin stands at 86% of average, while precipitation is just 77% of average. Lake Powell water inflows for this water year are 44% of the March 29th average.

Bill Matrix – April, 2021

Prepared by Syrus Devers, Best Best & Krieger

A. Priority Support/Oppose

Measure	Author	Topic	Location	Calendar	Brief Summary	Position	Priority	Notes 1
AB 339	Lee D	State and local government: open meetings.	1/28/2021- A. PRINT		Current law requires all meetings, as defined, of a house of the Legislature or a committee thereof to be open and public, and requires all persons to be permitted to attend the meetings, except as specified. This bill would require all meetings, including gatherings using teleconference technology, to include an opportunity for all persons to attend via a call-in option or an internet-based service option that provides closed captioning services and requires both a call-in and an internet-based service option to be provided to the public.	Out for Analysis	A. Priority Support/Oppose	On the agenda for April 7th
AB 361	Rivas, Robert D	Open meetings: local agencies: teleconferences.	2/12/2021- A. L. GOV.		Would authorize a local agency to use teleconferencing without complying with the teleconferencing requirements imposed by the Ralph M. Brown Act when a legislative body of a local agency holds a meeting for the purpose of declaring or ratifying a local emergency, during a declared state or local emergency, as those terms are defined, when state or local health officials have imposed or recommended measures to promote social distancing, and during a declared local emergency provided the legislative body makes certain determinations by majority vote.	Support	A. Priority Support/Oppose	Support adopted on March 3rd
AB 377	Rivas, Robert D	Water quality: impaired waters.	2/12/2021- A. E.S. & T.M.	4/21/2021 9 a.m. - State Capitol, Room 4202 ASSEMBLY ENVIRONMENTAL SAFETY AND TOXIC MATERIALS, QUIRK, Chair	Would require all California surface waters to attain applicable beneficial uses by January 1, 2050. The bill would require the state board and regional boards, when issuing an NPDES permit, a waste discharge requirement, or a waiver of a waste discharge requirement, to require that the discharge to surface water does not cause or contribute to an exceedance of an applicable water quality standard in receiving waters, and to not authorize the use of a best management practice permit term to authorize a discharge to surface water that causes or contributes to an exceedance of an applicable water quality standard in receiving waters.	Out for Analysis	A. Priority Support/Oppose	On the agenda for April 7th.
AB 442	Maves I	Surface Mining and Reclamation Act of 1975: exemption: Metropolitan Water District	3/24/2021- A. W.,P. & W.		The Surface Mining and Reclamation Act of 1975 exempts certain activities from the provisions of the act, including, among others, emergency excavations or grading conducted by the Department of Water Resources or the Central Valley Flood Protection Board for the specified	Support	A. Priority Support/Oppose	Support adopted on March 3rd.

		of Southern California: single master reclamation plan.			purposes; surface mining operations conducted on lands owned or leased, or upon which easements or rights-of-way have been obtained, by the Department of Water Resources for the purpose of the State Water Resources Development System or flood control; and surface mining operations on lands owned or leased, or upon which easements or rights-of-way have been obtained, by the Central Valley Flood Protection Board for the purpose of flood control. This bill would additionally exempt from the provisions of the act emergency excavations or grading conducted by the Metropolitan Water District of Southern California (MWD) for its own operations and infrastructure for specified purposes.			
AB 703	Rubio, Blanca D	Open meetings: local agencies: teleconferences.	2/25/2021-A. L. GOV.		Current law, by Executive Order N-29-20, suspends the Ralph M. Brown Act's requirements for teleconferencing during the COVID-19 pandemic, provided that notice requirements are met, the ability of the public to observe and comment is preserved, as specified, and that a local agency permitting teleconferencing have a procedure for receiving and swiftly resolving requests for reasonable accommodation for individuals with disabilities, as specified. This bill would remove the requirements of the act particular to teleconferencing and allow for teleconferencing subject to existing provisions regarding the posting of notice of an agenda and the ability of the public to observe the meeting and provide public comment. The bill would require that, in each instance in which notice of the time of the teleconferenced meeting is otherwise given or the agenda for the meeting is otherwise posted, the local agency also give notice of the means by which members of the public may observe the meeting and offer public comment and that the legislative body have and implement a procedure for receiving and swiftly resolving requests for reasonable accommodation for individuals with disabilities, consistent with the federal Americans with Disabilities Act, as provided.	Support	A. Priority Support/ Oppose	Support adopted on March 3rd.
AB 1434	Friedman D	Urban water use objectives: indoor residential water use.	3/11/2021-A. W.,P. & W.		Would establish, beginning January 1, 2023, until January 1, 2025, the standard for indoor residential water use as 48 gallons per capita daily. The bill would establish, beginning January 1, 2025, the standard as 44 gallons per capita daily and, beginning January 1, 2030, 40 gallons per capita daily. The bill would eliminate the requirement that the department, in coordination with the state board, conduct	Out for Analysis	A. Priority Support/ Oppose	On the agenda for April 7th.

					necessary studies and investigations and jointly recommend to the Legislature a standard for indoor residential water use.			
AB 1500	Garcia, Eduardo D	Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022.	3/11/2021-A. W.,P. & W.	4/8/2021 2:30 p.m. - State Capitol, Room 4202 ASSEMBLY WATER, PARKS AND WILDLIFE, GARCIA, EDUARDO, Chair	Would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$6,700,000,000 pursuant to the State General Obligation Bond Law to finance projects for safe drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, and workforce development programs.	Out for Analysis	A. Priority Support/ Oppose	
SB 45	Portantino D	Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2022.	3/16/2021-S. GOV. & F.		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	
SB 222	Dodd D	Water Affordability Assistance Program.	2/8/2021-S. E. U., & C.	4/12/2021 Upon adjournment of Session - Senate Chamber SENATE ENERGY, UTILITIES AND COMMUNICATIONS, HUESO, Chair	Would establish the Water Affordability Assistance Fund in the State Treasury to help provide water affordability assistance, for both drinking water and wastewater services, to low-income ratepayers and ratepayers experiencing economic hardship in California. The bill would make moneys in the fund available upon appropriation by the Legislature to the state board to provide, as part of the Water Affordability Assistance Program established by the bill, direct water bill assistance, water bill credits, water crisis assistance, affordability assistance, and short-term assistance to public water systems to administer program components.	Watch	A. Priority Support/ Oppose	Position adopted 2/3/2021
SB 223	Dodd D	Discontinuation of residential water service.	1/28/2021-S. E. U., & C.	4/12/2021 Upon adjournment of Session - Senate Chamber SENATE ENERGY, UTILITIES AND COMMUNICATIONS, HUESO, Chair	Current law prohibits an urban and community water system, defined as a public water system that supplies water to more than 200 service connections, from discontinuing residential water service for nonpayment until a payment by a customer has been delinquent for at least 60 days. Current law requires an urban and community water system to have a written policy on discontinuation of residential service for nonpayment, including, among other things, specified options for addressing the nonpayment. Current law requires an urban and community water system to provide notice of that policy to customers, as provided. This bill would apply those provisions, on and after July 1,	Opposition	A. Priority Support/ Oppose	Oppose position taken on 2/3/2021

					2022, to a very small community water system, defined as a public water system that supplies water to 200 or fewer service connections used by year-long residents.			
SB 230	Portantino D	State Water Resources Control Board: Constituents of Emerging Concern Program.	3/15/2021-S. APPR.		Would require the State Water Resources Control Board to establish, maintain, and direct an ongoing, dedicated program called the Constituents of Emerging Concern Program to assess the state of information and recommend areas for further study on, among other things, the occurrence of constituents of emerging concern (CEC) in drinking water sources and treated drinking water. The bill would require the state board to convene, by an unspecified date, the Science Advisory Panel to review and provide recommendations to the state board on CEC for further action, among other duties. The bill would require the state board to provide an annual report to the Legislature on the ongoing work conducted by the panel.	Out for Analysis	A. Priority Support/ Oppose	On the agenda for April 7th.
SB 323	Caballero D	Local government: water or sewer service: legal actions.	3/25/2021-S. JUD.		Current law prohibits a local agency from imposing fees for specified purposes, including fees for water or sewer connections, as defined, that exceed the estimated reasonable cost of providing the service for which the fee is charged, unless voter approval is obtained. Current law provides that a local agency levying a new a water or sewer connection fee or increasing a fee must do so by ordinance or resolution. Current law requires, for specified fees, including water or sewer connection fees, any judicial action or proceeding to attack, review, set aside, void, or annul an ordinance, resolution, or motion adopting a new fee or service charge or modifying an existing fee or service charge to be commenced within 120 days of the effective date of the ordinance, resolution, or motion according to specified procedures for validation proceedings. This bill would apply the same judicial action procedure and timelines, as stated above, to ordinances, resolutions, or motions adopting, modifying, or amending water or sewer service fees or charges adopted after January 1, 2022, except as provided.	Support	A. Priority Support/ Oppose	Support adopted on March 3rd.
SB 351	Caballero D	Water Innovation Act of 2021.	2/17/2021-S. N.R. & W.	4/15/2021 Upon adjournment of Agriculture Committee - John L. Burton Hearing Room	Current law establishes the State Water Resources Control Board for the purposes of providing for the orderly and efficient administration of the water resources of the state. This bill, the Water Innovation Act of 2021, would create the Office of Water Innovation at the California Water Commission for the furtherance of new technologies and other innovative approaches in the water sector. The bill	Support	A. Priority Support/ Oppose	Support adopted on March 3rd.

				(4203) SENATE N ATURAL RESOURC ES AND WATER, S TERN, Chair	would require the office, by December 31, 2023, to take specified measures to advance innovation in the water sector. The bill would make findings and declarations regarding the need for water innovation.			
SB 403	Gonzalez D	Drinking water: consolidation.	3/15/2021-S. GOV. & F.		The California Safe Drinking Water Act authorizes the State Water Resources Control Board to order consolidation with a receiving water system where a public water system or a state small water system, serving a disadvantaged community, consistently fails to provide an adequate supply of safe drinking water or where a disadvantaged community is substantially reliant on domestic wells that consistently fail to provide an adequate supply of safe drinking water. This bill would authorize the state board to also order consolidation where a water system serving a disadvantaged community is at risk of failing to provide an adequate supply of safe drinking water or where a disadvantaged community is substantially reliant on domestic wells that are at risk of failing to provide an adequate supply of safe drinking water.	Out for Analysis	A. Priority Support/ Oppose	

B. Watch

Measure	Author	Topic	Location	Calendar	Brief Summary	Position	Priority	Notes 1
AB 11	Ward D	Climate change: regional climate change authorities.	1/11/2021-A. NAT. RES.		Would require the Strategic Growth Council, by January 1, 2023, to establish up to 12 regional climate change authorities to coordinate climate adaptation and mitigation activities in their regions, and coordinate with other regional climate adaptation authorities, state agencies, and other relevant stakeholders.	Watch	B. Watch	
AB 50	Boerner Horvath D	Climate change: Climate Adaptation Center and Regional Support Network: sea level rise.	1/11/2021-A. NAT. RES.		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	1/11/2021-A. NAT. RES.		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,	Watch	B. Watch	

		adaptation planning groups: regional climate adaptation plans.			2023, and in consultation with certain state entities, to develop criteria for the development of regional climate adaptation plans.			
AB 59	Gabriel D	Mitigation Fee Act: fees: notice and timelines.	1/11/2021-A. L. GOV.		Current law authorizes any party to protest the imposition of a fee, dedication, reservation, or other exactions imposed on a development project within 90 or 120 days of the imposition of the fee, as applicable, and specifies procedures for those protests and actions. The Mitigation Fee Act imposes the same requirements on a local agency for a new or increased fee for public facilities. Current law, for specified fees, requires any judicial action or proceeding to attack, review, set aside, void, or annul an ordinance, resolution, or motion adopting a new fee or service charge or modifying an existing fee or service charge to be commenced within 120 days of the effective date of the ordinance, resolution, or motion. Current law also provides that, if an ordinance, resolution, or motion provides for an automatic adjustment in a fee or service charge and the adjustment results in an increase in the fee or service charge, that any action to attack, review, set aside, void, or annul the increase to be commenced within 120 days of the increase. This bill would increase, for fees and service charges and for fees for specified public facilities, the time for mailing the notice of the time and place of the meeting to at least 45 days before the meeting.	Watch	B. Watch	
AB 100	Holden D	Drinking water: pipes and fittings: lead content.	1/11/2021-A. E.S. & T.M.	4/7/2021 9 a.m. - State Capitol, Room 4202 ASSEMBLY ENVIRONMENTAL SAFETY AND TOXIC MATERIALS, QUIRK, Chair	The California Safe Drinking Water Act prohibits, with certain exceptions, the use of any pipe, pipe or plumbing fitting or fixture, solder, or flux that is not lead free in the installation or repair of any public water system or any plumbing in a facility providing water for human consumption. The act defines "lead free" for purposes of conveying or dispensing water for human consumption to mean not more than 0.2% lead when used with respect to solder and flux and not more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes and pipe fittings, plumbing fittings, and fixtures. This bill would additionally define "lead free," with respect to endpoint devices, as defined, to mean that the devices do not leach more than one microgram of lead under certain tests and meeting a specified certification.	Watch	B. Watch	
AB 1195	Garcia, Cristina D	Southern Los Angeles	3/4/2021-A. L. GOV.		Would create the Southern Los Angeles County Regional Water Agency as a	Watch	B. Watch	

		County Regional Water Agency.			regional water agency serving the drinking water needs of the cities, unincorporated areas, and residents in the communities overlying the Central Basin and West Coast Basin aquifers in southern Los Angeles County. The bill would require the agency to serve the region as the leader in interagency collaboration on water resource issues and to be governed by a 5-member board of locally elected officials in the agency's jurisdiction, each appointed by a specified state or local entity. The bill would authorize the agency to serve the water needs of its region through specified activities, including, among others, operating public water systems or other water infrastructure and integrating other water systems in the region into its operations, as prescribed.			
SB 1	Atkins D	Coastal resources: sea level rise.	3/16/2021-S. E.Q.		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	
SB 273	Hertzberg D	Water quality: municipal wastewater agencies.	3/11/2021-S. E.Q.	4/12/2021 9 a.m. - John L. Burton Hearing Room (4203) SENATE ENVIRONMENTAL QUALITY, ALLEN, Chair	Would authorize a municipal wastewater agency, as defined, to enter into agreements with entities responsible for stormwater management for the purpose of managing stormwater and dry weather runoff, to acquire, construct, expand, operate, maintain, and provide facilities for specified purposes relating to managing stormwater and dry weather runoff, and to levy taxes, fees, and charges consistent with the municipal wastewater agency's existing authority in order to fund projects undertaken pursuant to the bill. The bill would require the exercise of any new authority granted under the bill to comply with the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000. To the extent this requirement would impose new duties on local agency	Watch	B. Watch	

					formation commissions, the bill would impose a state-mandated local program.			
SB 274	Wieckowski D	Local government meetings: agenda and documents.	3/25/2021-S. APPR.	4/5/2021 #8 SENATE SENATE BILLS - SECOND READING FILE	The Ralph M. Brown Act, requires meetings of the legislative body of a local agency to be open and public and also requires regular and special meetings of the legislative body to be held within the boundaries of the territory over which the local agency exercises jurisdiction, with specified exceptions. Current law authorizes a person to request that a copy of an agenda, or a copy of all the documents constituting the agenda packet, of any meeting of a legislative body be mailed to that person. This bill would require a local agency with an internet website, or its designee, to email a copy of, or website link to, the agenda or a copy of all the documents constituting the agenda packet if the person requests that the items be delivered by email. If a local agency determines it to be technologically infeasible to send a copy of the documents or a link to a website that contains the documents by mail or by other electronic means, the bill would require the legislative body or its designee to send by mail a copy of the agenda or a website link to the agenda and to mail a copy of all other documents constituting the agenda packet, as specified.	Watch	B. Watch	
SB 480	Stern D	Metropolitan Water District of Southern California: rules: inappropriate conduct.	3/24/2021-S. GOV. & F.		The Metropolitan Water District Act provides for the creation of metropolitan water districts and specifies the powers and purposes of a district. The act requires the Metropolitan Water District of Southern California to establish and operate an Office of Ethics and adopt rules relating to internal disclosure, lobbying, conflicts of interest, contracts, campaign contributions, and ethics for application to its board members, officers, and employees. This bill would require the Metropolitan Water District of Southern California to adopt rules relating to inappropriate conduct, as defined, by board members, officers, and employees.	Watch	B. Watch	
SB 526	Min D	Community water systems: lead user service lines.	2/25/2021-S. E.Q.	4/12/2021 9 a.m. - John L. Burton Hearing Room (4203) SENATE ENVIRONMENTAL QUALITY, ALLEN, Chair	Current law requires, by July 1, 2020, a community water system with known lead user service lines in use in its distribution system to provide a timeline for replacement of those lines to the State Water Resources Control Board. Current law requires the state board to review and approve an established timeline, and requires, if the state board fails to act within 30 days of the submission of the timeline, the timeline to be deemed approved. Current law authorizes the state board to enforce these requirements, as specified, and a violation is considered a	Watch	B. Watch	

					violation of the California Safe Drinking Water Act, subjecting the violator to specified civil and criminal penalties. This bill would, until January 1, 2025, require a community water system to remove or replace the full lead user service line, if the community water system disturbs, removes, or replaces a portion thereof. The bill would apply the above-described enforcement provisions to a violation of the requirements of the bill, thereby creating a state-mandated local program by expanding the scope of crimes under the California Safe Drinking Water Act.			
SB 552	Hertzberg D	Drought planning: small water suppliers: nontransient noncommunity water systems.	3/3/2021-S.N.R. & W.	4/13/2021 9 a.m. - John L. Burton Hearing Room (4203) SENATE NATURAL RESOURCES AND WATER, S TERN, Chair	Would require small water suppliers, as defined, and nontransient noncommunity water systems that are schools, no later than December 31, 2022, to develop and submit to the Division of Drinking Water for the State Water Resources Control Board an Emergency Response Plan that includes specified drought-planning elements. The bill would require these water systems to report specified water supply condition information to the state board through the state board's Electronic Annual Reporting System, and to include water system risk and water shortage information in the water systems' Consumer Confidence Reports, as provided.	Watch	B. Watch	
SB 559	Hurtado D	Department of Water Resources: water conveyance systems: Canal Conveyance Capacity Restoration Fund.	3/3/2021-S.N.R. & W.	4/27/2021 9 a.m. - John L. Burton Hearing Room (4203) SENATE NATURAL RESOURCES AND WATER, S TERN, Chair	Would establish the Canal Conveyance Capacity Restoration Fund in the State Treasury to be administered by the Department of Water Resources. The bill would require all moneys deposited in the fund to be expended, upon appropriation by the Legislature, in support of subsidence repair costs, including environmental planning, permitting, design, and construction and necessary road and bridge upgrades required to accommodate capacity improvements. The bill would require the department to expend from the fund, upon appropriation by the Legislature, specified monetary amounts to restore the capacity of 4 specified water conveyance systems, as prescribed, with 2 of those 4 expenditures being in the form of a grant to the Friant Water Authority and to the San Luis and Delta-Mendota Water Authority. The bill would make these provisions inoperative on July 1, 2030, and would repeal the provisions as of January 1, 2031.	Watch	B. Watch	
Total Measures: 27								
Total Tracking Forms: 27								

**Metropolitan Water District of Southern California
State Legislative Matrix
March 4, 2021 – First Year of Legislative Session**

Item No. 5d

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
Metropolitan-sponsored bills	<p style="text-align: center;">AB 442 Mayes (I)</p> <p style="text-align: center;">Sponsor: Metropolitan</p>	<p style="text-align: center;">Introduced 2/4/2021</p> <p style="text-align: center;">Assembly Natural Resources Committee</p> <p style="text-align: center;">and</p> <p style="text-align: center;">Assembly Water, Parks, and Wildlife Committee</p>	<p>Surface Mining and Reclamation Act of 1975: exemption: Metropolitan Water District of Southern California: single master reclamation plan</p> <p>Amends the Surface Mining and Reclamation Act of 1975 (SMARA) to prepare a single reclamation plan for emergency excavations or grading on lands owned, leased, or with easements for repairs and maintenance of pipelines, infrastructure, or related transmission systems used to distribute water in Metropolitan’s service area.</p>	<p style="text-align: center;">SPONSOR</p> <p style="text-align: center;">Based on October 2019 Board Action</p>	<p>Maintaining critical water infrastructure requires coordinated regulatory compliance. Metropolitan is proposing legislation to allow it to develop a single reclamation plan to consistently administer and enforce SMARA compliance for responding to emergencies and repairing, maintaining or replacing any pipelines, infrastructure, or related transmission systems used to distribute water in Southern California.</p>
Metropolitan-sponsored bills	<p style="text-align: center;">SB 230 Portantino (D)</p> <p style="text-align: center;">Sponsors: Metropolitan and the California Municipal Utilities Association</p>	<p style="text-align: center;">Introduced 1/19/2021</p> <p style="text-align: center;">Senate Environmental Quality Committee</p>	<p>State Water Resources Control Board: Constituents of Emerging Concern Program</p> <p>Seeks to create a statewide program to identify and evaluate Constituents of Emerging Concern (CECs) in drinking water sources.</p>	<p style="text-align: center;">CO-SPONSOR</p> <p style="text-align: center;">Based on October 2019 Board Action</p>	<p>Metropolitan and the California Municipal Utilities Association are co-sponsoring legislation in response to growing public concern about CECs in drinking water. The bill would establish a CEC Drinking Water Program at the State Water Resources Control Board. The program would set up a consistent and science-based approach for assessing the public health and drinking water consequences of CECs, with the intent to improve knowledge and future regulatory determinations.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
March 4, 2021 – First Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
Water Quality and Treatment	AB 377 Rivas, R. (D) Sponsor: California Coastkeeper Alliance	Introduced 2/01/2021 Assembly Environmental Safety and Toxic Materials Committee	Water quality: impaired waters Would require all California surface waters to be fishable, swimmable, and drinkable by January 1, 2050. Would prohibit the State Water Resources Control Board and Regional Water Quality Control Boards from authorizing a permit or a waiver that causes or contributes to an exceedance of a water quality standard.	OPPOSE Based upon Board-adopted 2021 State Legislative Priorities and Principles	The objective of the bill is to gradually remove California’s impaired waterways from the 303(d) impaired waterways list. The bill would have serious negative impacts to Metropolitan, its member agencies, and all sectors that have NPDES permits. The bill contains blanket prohibitions on the issuance of new, renewed, or remodified NPDES waivers, waste discharge requirements, and permits with best management practices. Metropolitan has NPDES permits including a statewide general permit, drinking water discharge permit, and construction general permit.
Delta/State Water Project	SB 369 Pan (D) Sponsor: Sacramento Area Flood Control Agency	Introduced 2/10/2021 Senate Natural Resources & Water Committee Hearing: March 16, 2021	Flood control: Yolo Bypass Cache Slough Partnership Multibenefit Program Codifies State recognition and support for the Yolo Bypass Partnership and its efforts to advance coordinated master planning and accelerate restoration activities for the Yolo Bypass-Cache Slough region.	SUPPORT Based upon Board-adopted 2021 State Legislative Priorities and Principles	The 2020 Water Resources Development Act authorized a comprehensive study of the Yolo Bypass and its future role in regional flood control. A state master plan for the Yolo Bypass-Cache Slough would similarly advance multi-benefit restoration projects and encourage state and federal agencies to coordinate regulatory compliance and funding for flood control, water supply, habitat and recreation.
Water/Energy Nexus	AB 1161 E. Garcia (D) Sponsor:	Introduced 2/18/2021	Electricity: eligible renewable energy and zero-carbon resources: state agencies: procurement	OPPOSE UNLESS AMENDED	SB 100 (DeLeon, 2018) set a state goal for 100% carbon-free resources for all state agencies by 2045. Staff have concerns that this bill misplaces the

**Metropolitan Water District of Southern California
State Legislative Matrix
March 4, 2021 – First Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
			Requires the Department of Water Resources (DWR) to procure newly eligible renewable energy resources or zero-carbon resources, and associated energy storage, for state agencies to satisfy their 100% renewable energy goals by December 31, 2030.	Based upon Board-adopted 2021 State Legislative Priorities and Principles	burden of procuring renewable and carbon-free resources and associated storage onto DWR. Procuring energy for other state agencies is outside DWR’s purpose and core expertise. Moreover, accelerating the state’s goal of 100% renewable and carbon-free energy resources for all state agencies by 2045 to 2030 could dramatically increase Metropolitan’s retail electricity rates above what is mandated by SB 100. Staff are seeking an amendment to properly place the procurement of renewable energy on the load-serving entities.
Water Bond Infrastructure Funding	<p style="text-align: center;">SB 45 Portantino (D)</p> <p style="text-align: center;">Sponsor: Author</p>	<p style="text-align: center;">Introduced 12/7/2020</p> <p style="text-align: center;">Senate Natural Resources & Water Committee</p> <p style="text-align: center;">Hearing: March 16, 2021</p>	<p>Wildfire, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2022</p> <p>Places a \$5.51 billion wildfire and water bond on the 2022 ballot for voter approval.</p>	<p style="text-align: center;">SUPPORT AND SEEK AMENDMENTS</p> <p>Based upon Board adopted 2021 State Legislative Priorities and Principles and Board action on SB 45 (Allen, 2018) 6/11/19</p>	<p>Would provide funding to restore areas damaged by wildfires, mitigate future wildfires, create healthy forests and watersheds, protect water supplies and water quality, and protect and restore rivers, streams and lakes.</p> <p>Metropolitan is seeking amendments to ensure adequate funding for recycled water projects, water quality monitoring and treatment, and subsidence repairs to conveyance infrastructure projects.</p>

**Metropolitan Water District of Southern California
State Legislative Matrix
March 4, 2021 – First Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
Water Bond Infrastructure Funding	<p style="text-align: center;">SB 559 Hurtado (D)</p> <p style="text-align: center;">Sponsors: Friant Water Authority, San Luis & Delta Mendota Water Authority, and State Water Contractors</p>	<p style="text-align: center;">Introduced 2/18/2021</p> <p style="text-align: center;">Senate Rules</p>	<p>Department of Water Resources: water conveyance systems: Canal Conveyance Capacity Restoration Fund</p> <p>Establishes Canal Conveyance Capacity Restoration that would upon appropriation provide up to \$785 million in funding for the Department of Water Resources to help pay for subsidence repairs to the State Water Project and Central Valley Project water conveyance systems and for necessary road and bridge upgrades.</p>	<p style="text-align: center;">SUPPORT</p> <p>Based upon Board adopted 2021 State Legislative Priorities and Principles</p>	<p>Portions of the California Aqueduct, the Friant Kern Canal and the Delta Mendota Canal have lost capacity due to subsidence. The Fund would upon appropriation provide funding to DWR to support a 10-year program to restore the capacity of the canals and ensure a more secure water supply. Funds could be used to cover one-third the cost to restore the capacity of the canals. A federal companion bill is envisioned that would provide another one-third the cost, and local partners would also contribute one-third.</p>
Innovation	<p style="text-align: center;">SB 351 Caballero (D)</p> <p style="text-align: center;">Sponsor: California Municipal Utilities Association</p>	<p style="text-align: center;">Introduced 2/19/2021</p> <p style="text-align: center;">Senate Natural Resources & Water Committee</p> <p style="text-align: center;">Hearing: March 16, 2021</p>	<p>Water Innovation Act of 2021</p> <p>Would create the Office of Water Innovation at the California Water Commission to foster the adoption of new technologies and other innovative approaches in the water sector. Creates the Water Innovation Fund, with monies available upon appropriation, to the Department of Water Resources and State Water Resources Control Board to support water innovation.</p>	<p style="text-align: center;">SUPPORT</p> <p>Based upon Board adopted 2021 State Legislative Priorities and Principles</p>	<p>The water sector is facing a myriad of challenges from climate change, aging infrastructure, groundwater contamination, subsidence and freshwater ecosystems vulnerable to climate change. Innovative technologies and approaches are needed to ensure a reliable water supply while trying to address the challenges. An Office of Water Innovation could increase collaboration among state agencies on innovative approaches, engage stakeholders, and review regulations that may inhibit</p>

**Metropolitan Water District of Southern California
 State Legislative Matrix
 March 4, 2021 – First Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
					innovation in order to recommend regulatory reforms.

ETWD Public Education and Outreach Report

April 23, 2021

Bill Message

Customer May/June bill message:

May is Water Awareness Month. Sign up now for a FREE virtual class in Turf Removal and Garden Transformation, California Friendly and Native Landscape Training, and Garden Design Workshops. For more information, please visit <https://etwd.com/conservation/landscape-workshops/>

Laguna Woods Village Television

Director Vergara will participate in a Zoom interview with Lisa Hart for Laguna Woods Television on May 11, 2021. Director Vergara will discuss topics relating to May is Water Awareness Month.

Community Advisory Group Meetings

Staff continues to work on transitioning the CAG invitations to email through the Constant Contact platform.

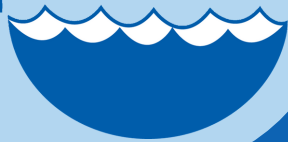
Created and distributed a bill stuffer that was included with the ETWD bills in April. A copy follows this report.

Created and distributed an article for the Laguna Woods Village E-blast and HOA's. A copy follows this report.

Wyland National Mayor's Challenge for Water Conservation

ETWD is promoting the Wyland Foundation's annual national campaign that inspires residents across the U.S. to use water wisely. A friendly competition between cities, each vying for the title of most water efficient town in the nation by reducing water use. As an added incentive for Orange County, MWDOC and the Wyland foundation is presenting a breakaway challenge awarding the city with the most pledges within MWDOC's service area a free visit from the Wyland Clean Water Mobile Learning Center. A flyer follows this report.

EL TORO WATER DISTRICT



ETWD Community Advisory Group Meeting



Join us for ETWD's quarterly Community
Advisory Group (CAG) Meetings!

Our next virtual Zoom meeting is May 13, 2021

Sign up at www.ETWD.com

to receive email notifications of upcoming meetings

EL TORO WATER DISTRICT



Want to know more about your water, wastewater or recycled water?

Sign up for CAG notifications on the
www.ETWD.com homepage!

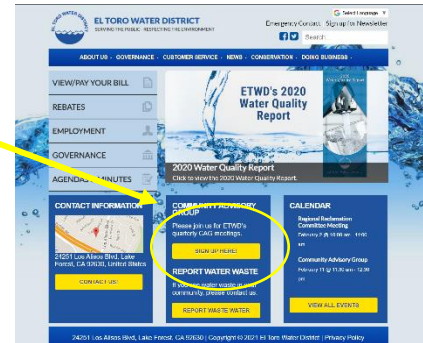
El Toro Water District Community Advisory Group (CAG) Meetings Move to Zoom

Curious to know more about your water, wastewater and recycled water? Laguna Woods residents can participate live in ETWD's quarterly CAG meetings via the Zoom platform.

In order to streamline the process and make it more efficient for staff and our customers, ETWD has transitioned to a new registration process for all future CAG meetings through the Constant Contact platform that the district utilizes. Invitations will then be sent out by email with a live link to access the Zoom meeting.

ETWD COMMUNITY ADVISORY GROUP REGISTRATION:

- Visit www.etwd.com
- Click on the Community Advisory Group “Sign Up Here” button
- Enter your name, email, address and/or organization that you belong to
- Click Sign Up



You will then receive the CAG quarterly meeting invites and agendas by email and can directly link to the meeting through your computer, phone or tablet.

The next meeting is May 13th. Sign-up now and join us!

If you have any questions, please contact Polly at (949) 837-7050 x225, pwelsch@etwd.com or Sherri at (949) 837-7050, ext. 239, sseitz@etwd.com.

We look forward to seeing you at the next CAG meeting!

CALLING ALL ORANGE COUNTY RESIDENTS AND BUSINESSES!

JOIN THE WYLAND NATIONAL MAYOR'S CHALLENGE FOR WATER CONSERVATION APRIL 1-30

DOES YOUR CITY HAVE WHAT IT TAKES TO WIN?

The Wyland National Mayor's Challenge for Water Conservation is a friendly competition between U.S. cities to see who will be named the most water-wise city in the nation. The Challenge is divided into five population categories, and cities with the highest number of residents who take the pledge can win BIG!



Take the "My Water Pledge" on behalf of your city today!
www.mywaterpledge.com



Take the pledge and we'll send you a code to share with friends! The more friends who sign up, the more chances your city has to win!



Take on a volunteer project and earn extra points!
www.wylandfoundation.org/mywaterproject



Pledge takers from the winning cities are eligible to win 100's of great prizes including \$3000 towards home utility bills for a year!



Pick a charity when you complete your pledge. Charities with the most votes will be entered in a drawing to win a new car!

ARE YOU READY FOR AN ORANGE COUNTY BREAKAWAY CHALLENGE?



LEARN MORE AT
WWW.MWDOC.COM/MAYORSCHALLENGE



The Wyland National Mayor's Challenge for Water Conservation is presented by the Wyland Foundation and Toyota with support from the U.S. EPA WaterSense, National League of Cities, The Toro Company, Petal, Hobie, and National Van Lines. The Orange County breakaway challenge is hosted by MWDOC and the Wyland Foundation.

**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
April 22, 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.

3) Actual Customer Rebates and Budget Analysis

Since last month's report there have been two new ETWD supplemental rebates in addition to the Metropolitan Water District device rebates and the Municipal Water District of Orange County turf removal program that have been paid.

The table below shows the devices and programs that ETWD provides supplemental rebates for in addition to the Metropolitan Water District device rebates and the Municipal Water District of Orange County turf removal program. Total number of water-use efficiency devices includes paid rebates from March 18, 2021 through April 15, 2021. Turf removal program is total square footage rebates paid from March 18, 2021 through

April 15, 2021. The table also lists ETWD’s budget for each item for the fiscal year. The last column is the total rebate paid per the dates listed.

Device March 18 – April 15	Total # Rebates Paid	ETWD Supplemental Amount	Budget	ETWD Supplemental Rebate Total
High Efficiency Clothes Washer	1	\$115	\$5,750	\$2,875
Premium High Efficiency Toilet		\$60	\$1,800	\$120
Smart Irrigation Timer/Soil Moisture Sensor System	1	\$49	\$2,625	\$874
Rain Barrels Cisterns		\$15	\$150	\$60
Total			\$10,325	\$3,929

Turf Removal Program March 18 – April 15	Total sq.ft. Paid	ETWD Supplemental Amount	Budget	ETWD Supplemental Rebate Total
Turf Removal Residential	640 sq. ft.	\$1 sq. ft.	\$7,000	\$4,664

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 March 2021 year-to-date sales, residential accounted for 67% of the overall Tier 3 usage and dedicated irrigation accounted for 57% of Tier 4 usage.](#)

TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

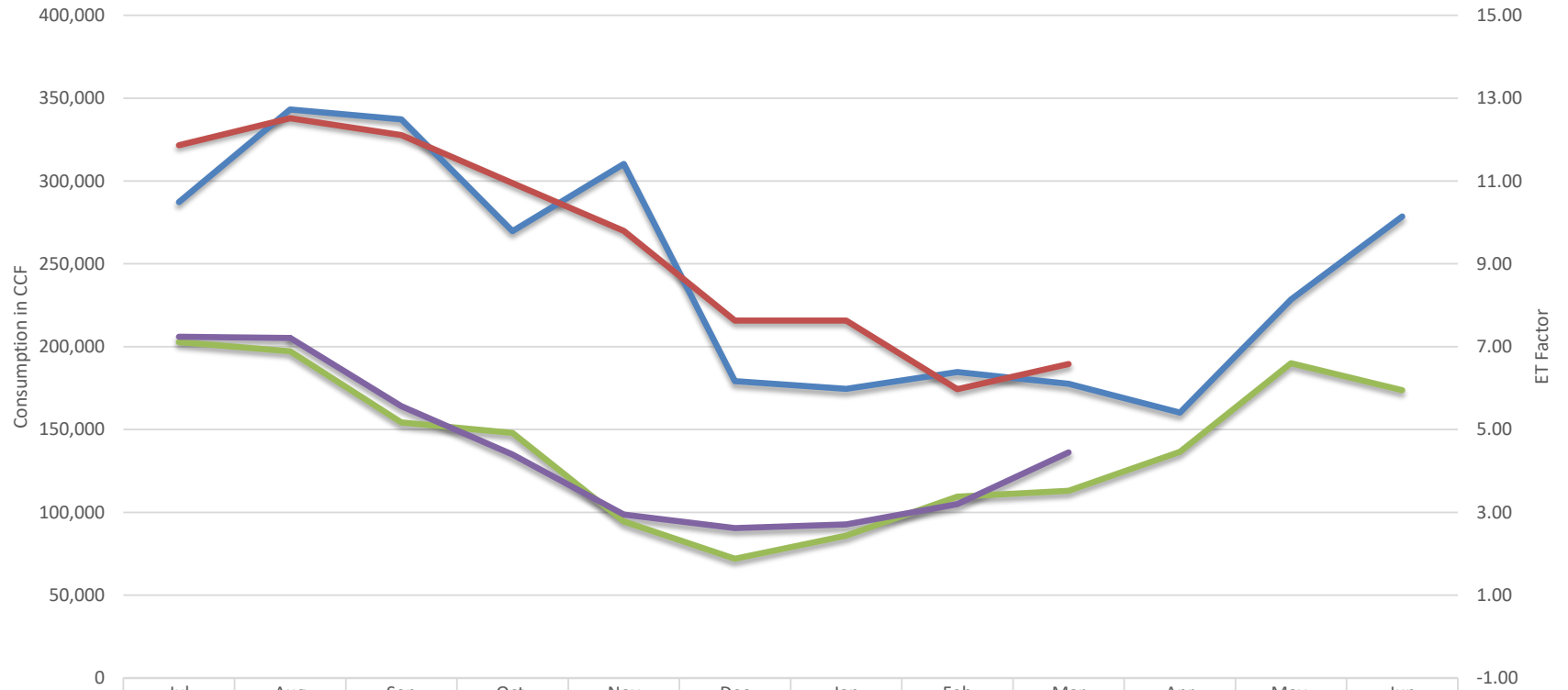
Included in this month’s Conservation Report is a chart comparing the current fiscal year 2020/21 consumption and ET factor to the fiscal 2019/20 consumption and ET factor. [The ET factor increased 21% from March 2020 when compared to March 2021. There was a 7% increase in consumption reflected in March 2021.](#)

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.

By: Sherri Seitz
Date: April 15, 2021

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	215,719	174,359	189,493			
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	2.71	3.20	4.45			
%	112%	98%	97%	111%	87%	120%	124%	94%	107%	0%		

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



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

AGENDA

*Regular Meeting
of the
South Orange County Wastewater Authority
Board of Directors*

To Be Held by Teleconference on:
April 1, 2021
8:30 a.m.

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

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN **SEVENTY-TWO (72)** HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

FOR MEETING PARTICIPATION:

Join Zoom Meeting

<https://socwa.zoom.us/>

Meeting ID: 899 7749 3881

Passcode: 647762

One tap mobile

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- +1 312 626 6799 US (Chicago)

Find your local number: <https://socwa.zoom.us/j/kcCGT0eQvE>

AGENDA

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

MEMBERS OF THE PUBLIC MAY ADDRESS THE BOARD REGARDING AN ITEM ON THE AGENDA OR MAY RESERVE THIS OPPORTUNITY DURING THE MEETING AT THE TIME THE ITEM IS DISCUSSED BY THE BOARD. THERE WILL BE A THREE-MINUTE LIMIT FOR PUBLIC COMMENTS.

PAGE NO

4. BOARD of DIRECTORS OFFICES – SELECTION OF CHAIR and VICE CHAIR FOR THE REMAINDER OF FISCAL YEAR (FY) 2020/20211

ACTION: Discussion and Direction of the SOCWA Board of Directors as to its preferred alternatives, which may include:

- (i) Election/appointment of the Chair to serve the Authority for the remainder of FY 2020/2021
- (ii) Election/appointment of the Vice Chair to serve the Authority for the remainder of FY 2020/2021
- (iii) Appointment of a Nominating Committee
- (iv) Other as determined by the SOCWA Board

5. CONSENT CALENDAR

- A. Minutes of Board Meeting2

- Board of Directors March 4, 2021

ACTION The Board will be requested to approve subject Minutes as submitted.

PAGE NO

B. Minutes of Finance Committee Meeting	7
• Finance Committee February 16, 2021	
ACTION	The Board will be requested to receive and file subject Minutes as submitted.
C. Minutes of Engineering Committee Meeting	10
• Engineering Committee February 11, 2021	
ACTION	The Board will be requested to receive and file subject Minutes as submitted.
D. Financial Reports for the Month of February 2021	13
1. Summary of Disbursements for February 2021 (Exhibit A)	
2. Schedule of Funds Available for Reinvestment (Exhibit B)	
➤ Local Agency Investment Fund (LAIF)	
3. Schedule of Cash and Investments (Exhibit C)	
4. Capital Schedule (Exhibit D)	
➤ Capital Projects – Graph (Exhibit D-1)	
5. Budget vs. Actual Expenses:	
➤ Operations and Environmental Summary (Exhibit E-1)	
➤ Operations and Environmental by PC (E-1.2)	
➤ Residual Engineering, after transfer to Capital (Exhibit E-2)	
➤ Administration (Exhibit E-3)	
➤ Information Technology (IT) (Exhibit E-4)	
ACTION:	The Finance Committee recommends to the Board of Directors to ratify the February 2021 disbursements for the period from February 1, 2021, through February 28, 2021, totaling \$3,746,671 and to receive and file the February 2021 Financial Reports as submitted.
E. February 2021 Operations Reports	31
1. Monthly Operational Report	
2. SOCWA Ocean Outfall Discharges by Agency	
3. Beach Ocean Monitoring Report	
4. Recycled Water Report	
5. Pretreatment Report	
ACTION:	The Board will be requested to receive and file the January 2021 Operations Reports as submitted.
F. Capital Improvement Program Status Report	71
ACTION:	The Board will be requested to receive and file the reports as submitted.

PAGE NO

G. Capital Improvement Program Project Financial Status and Change Orders
[Project Committee 2, 5, 15, & 17]87

ACTION: The Board will be requested to receive and file the Capital Improvement Program Project Financial Status and Change Orders Report as submitted.

6. GENERAL MANAGER'S REPORTS

A. General Manager's Status Report104

ACTION: Information Item

7. OTHER MATTERS

Open discussion or items received too late to be agendized.

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

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

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
MAY 6, 2021

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

ENGINEERING COMMITTEE
TELECONFERENCE MEETING**

**April 8, 2021
8:30 a.m.**

Join Zoom Meeting by clicking on the link below:

<https://socwa.zoom.us/>

Meeting ID: 823 9876 8458

Passcode: 561745

One tap mobile

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+12532158782,,82398768458#,,,,*561745# US (Tacoma)

Dial by your location

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+1 346 248 7799 US (Houston)

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+1 929 205 6099 US (New York)

+1 301 715 8592 US (Washington DC)

Find your local number: <https://socwa.zoom.us/j/kcGorPG2Gi>

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 **April 8, 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

- Engineering Committee Meeting of March 11, 2021

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 Orders 17 and 18 totaling of \$41,963.99; and
- b. PC-17 Board to approve Change Orders 21 through 29 totaling of \$72,585.84.

6. J. B. Latham Treatment Plant Utility Configuration Evaluation [Project Committee 2]

- Presentation

Recommended Action: Information Item

7. San Juan Creek Ocean Outfall Junction Structure Construction Update [Project Committee 5]

Recommended Action: Information Item

8. J.B. Latham Treatment Plant Package B Construction Update [Project Committee 2]

- Presentation

Recommended Action: Information Item

9. SOCWA Engineering Capital Improvements Updated Draft Budget

Recommended Action: Information Item

Adjournment

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

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

Dated this 1st day of April 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**

**April 20, 2021
10:30 a.m.**

Join Zoom Meeting by clicking on the link below:

<https://socwa.zoom.us/>

**Meeting ID: 893 3465 3926
Passcode: 278088**

One tap mobile

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Meeting ID: 893 3465 3926
Passcode: 278088

Find your local number: <https://socwa.zoom.us/j/89334653926>

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 **April 20, 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*

April 20, 2021

PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

AGENDA

1. Call Meeting to Order

2. Public Comments

THOSE WISHING TO ADDRESS THE FINANCE COMMITTEE ON ANY ITEM LISTED ON THE AGENDA WILL BE REQUESTED TO IDENTIFY AT THE OPENING OF THE MEETING AND PRIOR TO THE CLOSE OF THE MEETING. THE AUTHORITY REQUESTS THAT YOU STATE YOUR NAME WHEN MAKING THE REQUEST IN ORDER THAT YOUR NAME MAY BE CALLED TO SPEAK ON THE ITEM OF INTEREST. THE CHAIR OF THE MEETING WILL RECOGNIZE SPEAKERS FOR COMMENT AND GENERAL MEETING DECORUM SHOULD BE OBSERVED IN ORDER THAT SPEAKERS ARE NOT TALKING OVER EACH OTHER DURING THE CALL.

PAGE NO.

3. Approval of Minutes.....1

- Finance Committee Meeting of March 16, 2021

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

4. Financial Reports for the Month of March 20215

The reports included are as follows:

- a. Summary of Disbursements for March 2021 (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. Fringe Pool Year To Date (Exhibit E-5)

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors to ratify the March 2021 disbursements for the period from March 1, 2021, through March 31, 2021, totaling \$3,508,706, and to receive and file the March 2021 Financial Reports as submitted.

5. Q3 FY 2020-21 Cash Roll Forward as of March 31, 202124

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, Member Agency and Project
- Non-Capital Cash Roll Forward Balance by Project Committee, Member Agency and Project
- Non-Capital – Miscellaneous Cash Roll Forward Balance by Project Committee, Member Agency and Project
- Small Capital Cash Roll Forward balance by Project Committee, Member Agency and Project

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors to receive and file the Q3 Fiscal Year 2020-21 Cash Roll Forward as submitted.

6. FY20/21 O&M Budget Update and Proposed Budget Amendments33

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors that PC 2–JBL budgets be amended by \$100,000 in the following amounts:

PC-2 Line 5008	Ferric Chloride	\$50,000
PC-2 Line 5049	Biosolids	\$50,000

7. FY 2021-22 Budget37

- ❖ **Staff Presentations**
 - Major Cost Drivers
 - Operations & Maintenance & Environmental Budget
 - Administration & General Fund
 - IT & Residual Engineering
- ❖ **Environmental Regulatory Requirements**105
- ❖ **OPEB Normal Costs Savings Financial Benefits and % Funded Goal**110
- ❖ **General Fund Share of UAL and OPEB Annual Payments**.....115
- ❖ **PC-17 Co-Gen Credit Historical Approach & Options**119
- ❖ **Responses to Committee questions**.....135
- ❖ **YOY (Year over Year) Budget Change (Roll Forward)**139
- ❖ **Upcoming meeting schedule**.....
- **Finance Committee May 18, 2021**
- **Board Budget Workshop May 20, 2021**

Recommended Action: Committee discussion and comments

April 20, 2021

PAGE NO.

8. Proposed Large Capital Improvement Program Proposed Budget

❖ **Capital Budget Presentation**142

Recommended Action: Committee discussion and comments

9. Independent Auditing Firm Selection – FY 2021-2022154

Recommended Action: Staff Recommends that the Finance Committee provide a preference for the auditing services for FY 2021-22 and select between options:

- 1) Recommend to the Board of Directors to extend the PUN Group for the FY 2021-22 Audit with a rotation of the firm's Audit Managers, or
- 2) Direct staff to proceed to issue and RFP for Audit services FY 2021-22.

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 13th day of April 2021.



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

SPECIAL MEETING OF THE
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
April 1, 2021, 6:00 p.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.

- 1. DISCUSSION WITH REPRESENTATIVES FROM MWDOC'S MEMBER AGENCIES REGARDING KEY REGIONAL ISSUES AND KEY ORANGE COUNTY ISSUES, INCLUDING THE MWDOC BUDGET AND PROPOSED ACTIVITIES FOR FY 2021-22, THE MWDOC RATE STUDY, REGIONAL WATER ISSUES, AND WATER USE EFFICIENCY ACTIVITIES**

Recommendation: Receive information and discuss the various issues outlined.

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
PLANNING & OPERATIONS COMMITTEE
April 5, 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 Yoo Schneider, Chair
Director Nederhood
Director Seckel

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

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>.

ACTION ITEM

1. CONSULTANT SERVICES FOR ORANGE COUNTY DEDICATED IRRIGATION METER LANDSCAPE AREA MEASUREMENTS
2. MWDOC ADMINISTRATION BUILDING SEISMIC RETROFIT AND REMODEL PROJECT – ABS OWNER'S REPRESENTATIVE PROFESSIONAL SERVICES

CONTRACT – CHANGE ORDER

3. SOUTH EMERGENCY OPERATIONS CENTER CAPITAL PROJECT DECISION

DISCUSSION ITEMS

4. UPDATE ON COVID-19 (ORAL REPORT)
5. REVIEW OC DEMAND FORECASTING/CDM SMITH STUDY
6. REVIEW OF MWDOC'S DRAFT 2020 URBAN WATER MANAGEMENT PLAN

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.)

7. LOCAL LEGISLATIVE ACTIVITIES
 - a. County Legislative Report (Lewis)
 - b. Legal and Regulatory Report (Ackerman)
8. PUBLIC HEARING DATE SCHEDULED FOR MAY 19, 2021 RE MWDOC'S 2020 URBAN WATER MANAGEMENT PLAN
9. MWDOC CHOICE SCHOOL PROGRAMS UPDATE
10. 2021 OC WATER SUMMIT UPDATE
11. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects
 - d. Public and Government Affairs
12. 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

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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
April 7, 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

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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. 2108

ACTION ITEMS

1. ACR 17 (VOEPEL) – SPECIAL DISTRICTS WEEK

Recommendation: Adopt a support position on ACR 17 (Voepel) proclaiming the week of May 16, 2021, to May 22, 2021, to be Special Districts Week.

2. H.R. 737 (VALADAO) & H.R. 1563 (GARCIA): WATER INFRASTRUCTURE IMPROVEMENTS FOR THE NATION (WIIN), EXTENSION – SUPPORT

Recommendation: Adopt a Support position on H.R. 737 (Valadao) and H.R 1563 (Garcia).

3. AB 339 (LEE) - STATE AND LOCAL GOVERNMENTS: OPEN MEETINGS

Recommendation: Adopt an Oppose Unless Amended position on AB 339.

4. AB 377 (R. RIVAS) – WATER QUALITY: IMPAIRED WATERS

Recommendation: Adopt an oppose position on AB 377 (R. Rivas).

PRESENTATION/DISCUSSION ITEMS

5. LEGISLATIVE ACTIVITIES

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

Recommendation: Review and discuss the information presented.

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

- a. Update Re MET IRP Meeting

Recommendation: Receive input and discuss the information presented.

7. PRESENTATION BY BILL HASENCAMP (METROPOLITAN) ON COLORADO RIVER ISSUES

Recommendation: Review and discuss the information presented.

INFORMATION ITEMS

8. 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.

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

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

Recommendation: Review and discuss the information presented.

ADJOURNMENT

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

Jointly with the
ADMINISTRATION & FINANCE COMMITTEE

April 19, 2021, 8:30 a.m.

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A&F Committee:

Director McVicker, Chair
Director Dick
Director Thomas

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

Ex Officio Member: Director Tamaribuchi

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

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

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PROPOSED BOARD CONSENT CALENDAR ITEMS

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

- d. GM Approved Disbursement Report for the month of March 2021
 - e. Consolidated Summary of Cash and Investment – February 2021
 - f. OPEB and Pension Trust Fund monthly statement
2. FINANCIAL REPORT - Combined Financial Statements and Budget Comparative for the Period Ending February 28, 2021

ACTION ITEMS

- 3. DISTRICT BENCHMARK COMPENSATION AND BENEFITS STUDY
- 4. REVIEW INFORMATION REGARDING PUBLIC HEARING (SCHEDULED FOR APRIL 21, 2021) TO ADOPT ORDINANCE SUPERSEDING AND REPEALING MWDOC ORDINANCE NO. 54 REGARDING COMPENSATION FOR DIRECTORS
- 5. AUTHORIZATION TO CONTRACT FOR MWDOC CHOICE SCHOOL PROGRAMS
- 6. MWDOC'S 2021 COST ALLOCATION RATE STUDY
- 7. ADOPTION OF THIRD DRAFT OF THE FY 2021-22 BUDGET
- 8. PROPOSED MWDOC WATER RATE RESOLUTION FOR FISCAL YEAR 2020-21
- 9. AB 1296 (KAMLAGER) AND SB 342 (GONZALEZ) – SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT: BOARD MEMBERSHIP

DISCUSSION ITEM

- 10. REVIEW OF DISTRICT'S AUTO ALLOWANCE POLICY
- 11. REVIEW OF REQUIREMENTS FOR CSDA'S DISTRICT OF DISTINCTION AWARD (VARIOUS LEVELS)

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.)

- 12. REIMBURSEMENT OF DENTAL DIVIDENDS TO EMPLOYEES AND DIRECTORS
- 13. DEPARTMENT ACTIVITIES REPORTS
 - a. Administration
 - b. Finance and Information Technology
- 14. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

OTHER ITEMS

- 15. REVIEW ISSUES REGARDING DISTRICT ORGANIZATION, PERSONNEL

MATTERS, EMPLOYEE BENEFITS FINANCE AND INSURANCE

ADJOURNMENT

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REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Fountain Valley, California
April 21, 2021, 8:30 a.m.

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AGENDA

MOMENT OF SILENCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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NEXT RESOLUTION NO. 2109

CONSENT CALENDAR (Items 1 to 7)

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

1. MINUTES

- a. March 3, 2021 Workshop Board Meeting
- b. March 17, 2021 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: March 1, 2021
- b. Administration & Finance Committee Meeting: March 10, 2021
- c. Executive Committee Meeting: March 18, 2021

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of March 31, 2021
- b. MWDOC Disbursement Registers (March/April)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of February 28, 2021
- 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 February 28, 2021

Recommendation: Receive and file as presented.

5. CONSULTANT SERVICES FOR ORANGE COUNTY DEDICATED IRRIGATION METER LANDSCAPE AREA MEASUREMENTS

Recommendation: Authorize the General Manager to: (1) enter into a Professional Services agreement with Quantum Spatial, for an amount not to exceed \$1,400,000, to provide participating retail water agencies with area measurements of landscapes with dedicated irrigation meters, as required by SB 606 and AB 1668, and (2) enter into agreements with participating agencies for area measurement services from Quantum Spatial.

6. MWDOC ADMINISTRATION BUILDING SEISMIC RETROFIT AND REMODEL PROJECT – ABS OWNER’S REPRESENTATIVE PROFESSIONAL SERVICES CONTRACT – CHANGE ORDER

Recommendation: Approve a change order to the ABS Consulting Professional Services contract to extend the contract through to completion of the Administration Building Seismic Retrofit and Remodel

Project. The change order includes the necessary additional professional services hours for the duration of the project in the amount of \$90,425.00 for a revised not to exceed total of \$385,031.00.

7. SOUTH EMERGENCY OPERATIONS CENTER CAPITAL PROJECT DECISION

Recommendation: Approve Option 1, and work with ETWD to refine the cost estimates associated with the project, and research alternative options (if available) in the event the project costs prove too high.

End Consent Calendar

ACTION CALENDAR

8-1 HOLD PUBLIC HEARING TO ADOPT ORDINANCE SUPERSEDING AND REPEALING MWDOC ORDINANCE NO. 54 REGARDING COMPENSATION FOR DIRECTORS

ORD. NO. _____

Recommendation: (1) open the public hearing (as noticed) on the Proposed Ordinance to receive input from the public; (2) consider said input on the Ordinance; and (3) adopt Ordinance, in the general form presented, with amendments if necessary.

8-2 DISTRICT BENCHMARK COMPENSATION AND BENEFITS STUDY

Recommendation: Approve Option 1, the proposed recommended position reclassifications, title change, revisions to the pay structure ranges and a 1.64% pay structure adjustment to the salary ranges only, effective July 1, 2021.

8-3 AUTHORIZATION TO CONTRACT FOR MWDOC CHOICE SCHOOL PROGRAMS

Recommendation: Authorize the General Manager to enter into a two-year contract with three (3), one-year options to extend with Building Block Entertainment, Inc. (Shows That Teach) and Orange County Department of Education's (OCDE) Inside the Outdoors to design and present the Municipal Water District of Orange County's (MWDOC) K-12 Choice School Programs (Option #1).

8-4 MWDOC'S 2021 COST ALLOCATION RATE STUDY

Recommendation: Adopt the findings and recommendations in Rafftelis' Core Service Charge Allocation Study for MWDOC; which calls for maintaining the current Meter Service Charge methodology for all MWDOC retail agencies and changing the methodology and calculation of MWDOC's Groundwater Customer Charge for

Orange County Water District. These adjustments will be effective beginning in FY 2021-22.

8-5 ADOPTION OF THIRD DRAFT OF THE FY 2021-22 BUDGET

RES. NO. _____

Recommendation: Adopt a Resolution approving the final MWDOC budget for fiscal year 2021-22

8-6 PROPOSED MWDOC WATER RATE RESOLUTION FOR FISCAL YEAR 2020-21

RES. NO. _____

Recommendation: (1) Increase the MWDOC Retail Meter Charge from \$12.20 to \$13.00 per meter, and decrease the Groundwater Customer Charge from \$595,323 to \$335,385 effective July 1, 2021; and

(2) Adopt the Water Rate Resolution setting forth rates and charges to be effective July 1, 2021 and January 1, 2022 as identified in the Water Rate Resolution for Fiscal Year 2021-22.

8-7 AB 1296 (KAMLAGER) AND SB 342 (GONZALEZ) – SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT: BOARD MEMBERSHIP

Recommendation: Adopt Oppose Unless Amended positions on both AB 1296 (Kamlager) and SB 342 (Gonzalez).

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

9. GENERAL MANAGER'S REPORT, APRIL 2021 (ORAL AND WRITTEN)

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

10. MWDOC GENERAL INFORMATION ITEMS

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

Recommendation: Receive and file as presented.

CLOSED SESSIONS

11. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 13, 2010, et al., former Los Angeles Superior

Court, Case No. BS 126888, transferred on October 21, 2010, to San Francisco Superior Court, Case No. CPF-10-510830 and related appeal.

12. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 10, 2012 to be Effective January 1, 2013 and January 1, 2014; and Does 1-10, et al., former Los Angeles Superior Court, Case No. BS137830, transferred on August 23, 2012, to San Francisco Superior Court, Case No. CPF-12-512466 and related appeal.

13. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water of Southern California on April 8, 2014, et al., former Los Angeles Superior Court, Case No. BC547139, transferred on December 2, 2014, to San Francisco Superior Court, Case No. CPF-14-514004.

14. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 12, 2016, effective January 1, 2017 and January 1, 2018, et al., former Los Angeles Superior Court, Case No. BS161729, transferred to San Francisco Superior Court, Case CPF-16-515282.

15. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 10, 2018 to be effective January 1, 2019, and Jan. 1, 2020, et al., Los Angeles Superior Court, Case No. BS 173868, Transferred to San Francisco Superior Court, Case CPF-18-516389.

ADJOURNMENT

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GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES APRIL 2021

<p>MWDOC Agencies Managers Meeting</p>	<p>MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley. Thursday, March 18, 2021</p> <p>In attendance were: R. Correa & B, Ingallinera – Brea, M. McGee – Buena Park, D. Youngblood – EOCWD, D. Cafferty – ETWD, H. Lee – Fountain Valley, C. Pasillas – Garden Grove, K. Vecchiarelli – Golden State WC, A. Papa, C. Davis – Huntington Beach, P. Cook, P. Weghorst – IRWD, K. Van Der Maaten – Laguna Beach CWD, J. Chavira – La Palma, M. Khalifa – Mesa WD, J. Cruz, L. Rocha, K. Young & M. Collings – Moulton Niguel WD, S. Catron & M. Vukojevic – Newport Beach, M. Markus, J. Kennedy, A. Hutchinson – Orange County WD, J. Diaz, S. Tran – Orange, L. Brotman – San Clemente, E. Bauman – San Juan Capistrano, D. Feron, J. Leach – Santa Margarita WD, J. Vilander, - Serrano WD, G. Pennington, T F. Kjolsing, R. Shintaku – South Coast WD, F. Paludi – Trabuco Canyon WD, M. Grisso – Tustin, S. Miller – Westminster, D. Lugo, D. Logsdon – Yorba Linda WD, S. Gagnon, M. Elliot, C. Diamond, E. Conti – Raftelis</p> <p>Staff in attendance were: R. Hunter, H. De La Torre, H. Baez, J. Berg, V. Osborn, M. Baum-Haley, A. Heide, C. Lingad, H. Chumpitazi, C. Busslinger</p> <p>MWDOC 2021 Rate Study Information/Discussion Items:</p> <p>MWDOC Rate Study</p> <p>General Meeting Information/Discussion Items:</p> <p>MWDOC Board Draft Agendas MWDOC FY 2021-22 Second Draft Budget Urban Water Management Plan Internal Draft WEROC Structure and EOCs</p> <p>Update Items:</p> <p>COVID-19 Update Legislative Items Update Dedicated Irrigation Meter Area Measurements Economic Benefits Study – Business Survey Update Metropolitan Issues Update</p> <p>The next meeting will tentatively be held on April 22, 2021.</p>
<p>Meetings</p>	<ul style="list-style-type: none"> ○ MWDOC staff, along with ABS Consulting, IDS Group, and Optima RPM, participated in several construction progress meetings in the month of March regarding the admin building seismic retrofit and remodel. Weekly progress meetings will continue through the completion of the project.

<p>Meetings - continued</p>	<ul style="list-style-type: none"> ○ Chris Lingad attended the OC-70 meter testing on March 1, 2021, and March 9, 2021. ○ Charles Busslinger and Chris Lingad attended a meeting with LBCWD on March 2, 2021, to formally meet LBCWD’s new general manager Keith Van Der Maaten, and to discuss MWDOC’s hydraulic model. ○ Charles Busslinger and Chris Lingad attended a meeting with IRWD, TCWD, MET, and MET’s impacted member agencies on March 11, 2021, to discuss issues with the Lake Mathews Facility Shutdown. Additional repairs were needed for a slide gate which prompted a request from MET for a 3-day shutdown extension. The impacted agencies were quick to respond and approved the extension. MET was able to complete the repairs early, and the extension was not needed. ○ Charles Busslinger and Chris Lingad attended a meeting with IRWD and TCWD on March 11, 2021, to discuss Baker Water Treatment Plant operations. ○ Charles Busslinger, Chris Lingad, and Kevin Hostert attended an AMP shutdown coordination meeting hosted by MET on March 15, 2021. All of the MWDOC’s member agencies who are impacted by the shutdown were in attendance. ○ Charles Busslinger, Chris Lingad, Kevin Hostert, and Alex Heide attended a CDR meeting to review water agency boundary information in conjunction with member agency Urban Water Management Plans. ○ Charles Busslinger and Chris Lingad attended a meeting with SCWD on March 17, 2021, to discuss water delivery reporting and billing. ○ Rob Hunter, Charles Busslinger, and Chris Lingad attended a meeting with Dr. Wallace Walrod and Dr. David Sunding on March 22, 2021, to discuss the Economic Benefit Studies business survey.
<p>MET ITEMS CRITICAL TO ORANGE COUNTY</p>	
<p>MET’s Finance</p>	<p>Water Transactions for January 2021 totaled 91.1 thousand acre-feet (TAF), which was 16.3 TAF lower than the budget of 107.4 TAF. This translates to \$81.1 million in revenues for January 2021, which were \$15.3 million lower than the budget of \$96.4 million.</p> <p>Year-to-date water transactions through January 2021 were 943.2 TAF, which was 23.8 TAF lower than the budget of 967.0 TAF. Year-to-date water transactions through January 2021 were \$827.1 million, which were \$29.6 million lower than the budget of \$856.7 million.</p> <p>Following the Metropolitan’s Board approval and authorization of the distribution of Appendix A for use in the issuance and remarketing of Metropolitan’s bonds, Metropolitan priced \$188,890,000 of Water Revenue Bonds in January. This allowed for interest rates to be lowered, resulting in \$1.27 million in debt service</p>

<p>MET’s Finance - continued</p>	<p>savings over the bonds' life. Bond proceeds will provide \$255 million for funding a portion of the Capital Investment Plan for fiscal years 2020/21 and 2021/22.</p>
<p>MET’s General Manager Recruitment Process</p>	<p>The current steps in the General Manager Recruitment process are as follows:</p> <ul style="list-style-type: none"> • At the January 11 OP&T committee, the Hawkins Company presented the Job Description, Recruitment Brochure, and the Outreach Plan to the Metropolitan Board for review and approval. • Nominations and submittals from interested candidates were accepted up to February 26. While the recruitment is open until the position is filled, candidates are encouraged to apply early; evaluations of all potential candidates will be done throughout the recruitment process. • At the February 23 Executive Committee meeting, the screening criteria, interview process, and interview questions were developed within a closed session. • Throughout the month of March, the Hawkins Company will review the submitted candidate applications. Only a select number of highly qualified candidates will be invited to participate in the interview process. • On March 23, the Hawkins Company presented a shortlist of candidates to the Executive Committee within a closed session. • Executive Committee will conduct initial interviews, date to be determined. • Board will conduct interviews of the top candidates, potentially on April 13. • Board to approve the selection of the new General Manager, potentially on May 11. <p>The MET General Manager Recruitment brochure can be found at the link: https://thehawkinscompany.com/wp-content/uploads/2021/01/metro_water_district_v6.pdf</p>
<p>MET Review of Equal Employment Opportunity Policies and Practices</p>	<p>Metropolitan’s Board of Directors and executive management are taking steps to foster and ensure a workplace that values equity, inclusion, and diversity – both in policy and in practice.</p> <p>The Metropolitan Board responded to employee comments alleging systemic harassment by authorizing Metropolitan’s Ethics Officer in November 2020 to enter into a contract with Shaw Law Group, a certified women-owned business enterprise with extensive expertise in Equal Employment Opportunity issues. The firm is currently conducting an independent and thorough review of allegations of systemic Equal Employment Opportunity-related discrimination, harassment, retaliation, and related concerns.</p> <p>To help ensure greater transparency and accountability, a microsite has also been created on Metropolitan’s website that includes information about the Board’s actions, policies, correspondence, and related matters.</p> <p>Microsite link: http://www.mwdh2o.com/DocSvcsPubs/MREC/</p>

**MET
Integrated
Resources
Plan Update**

On March 23, the Metropolitan Board members and member agency general managers participated in an Integrated Resources Plan (IRP) Demand Workshop with an expert panel. The three-hour workshop was facilitated by Ed Means and organized into three segments:

1. Panel member discussion of charge questions related to the demand
2. Panel member feedback on questions submitted by the Board and member agency managers in advance
3. Panel member feedback for clarification or additional demand-related questions from Board members or member agency participants

Expert Panelists:

- Tom Chesnutt, A & N Technical Services, Inc.
- Stephen Levy, Center for Continuing Study of the California Economy
- Lisa Maddaus, Maddaus Water Management Inc.
- Dan Rodrigo, CDM Smith
- Kurt Schwabe, UC Riverside

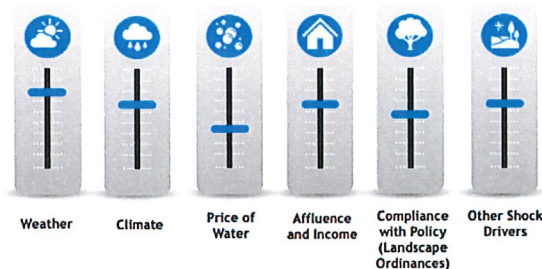
Metropolitan staff sought feedback from the demand consultants in four primary question areas on the driver of demands. Below is a brief recap of the responses as presented during the workshop.

1. The most important drivers that influence water demands.
 - a. How they affect demands in each of the three major demand sectors (single-family residential, multi-family residential, Commercial/Industrial).

Principal Drivers

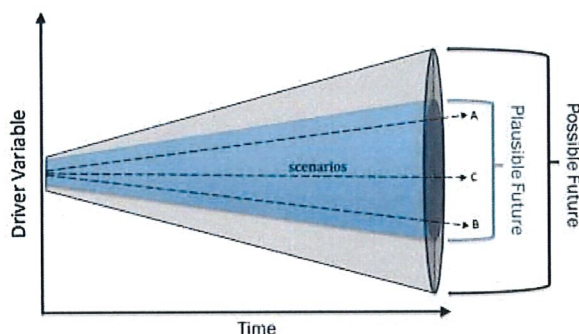


Other Important Drivers With Shifting Trends



**MET
Integrated
Resources
Plan Update
– continued**

- a. How to account for uncertainties in future demographic factors and how they can be measured, with the following key takeaways:
 - The level of immigration is the major driver of U.S. population growth and the one with the largest uncertainty. Other demographic drivers are smaller or have less uncertainty, including agreements on birthrates decreasing and the level of deaths increasing.
 - Competitiveness is in the local area's hands (residents and policymakers). The biggest competitiveness challenge is housing (amount, affordability, location, and size), as housing has the broadest range of uncertainty and is complicated.
2. How to estimate plausible ranges of future outcomes for each driver.

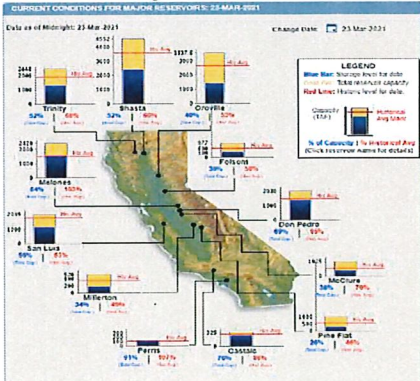


- **Plausible** range includes things that are likely to occur but with considerable variability into the future.
- **Possible** range includes things that could happen, although we haven’t seen evidence of it just yet. **Black Swan Events*** often fall in this range.

** A black swan is an unpredictable event that is beyond what is normally expected with potentially severe consequences. They are characterized by their extreme rarity, severe impact, and the widespread insistence they were obvious in hindsight.*

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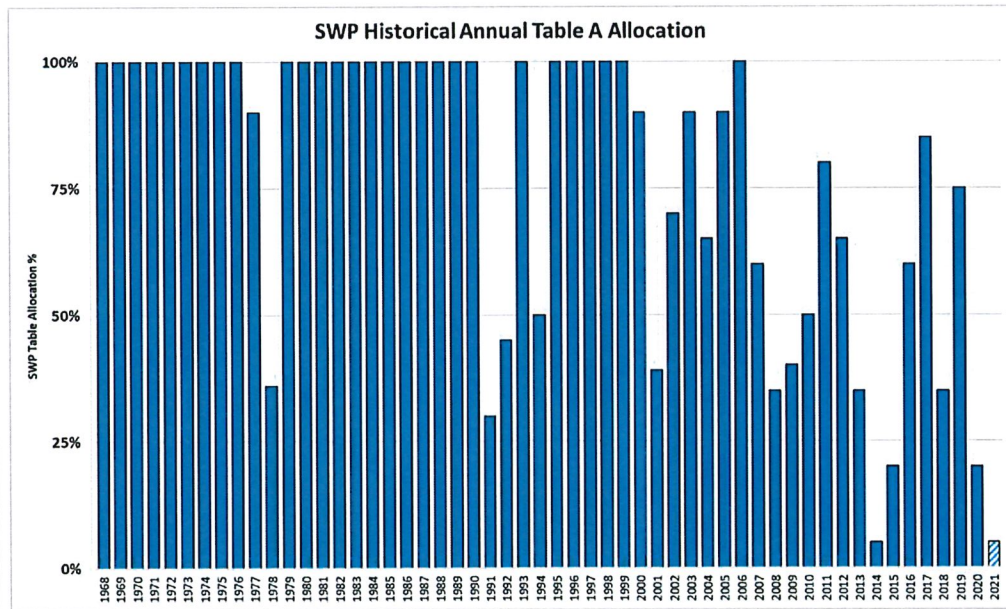
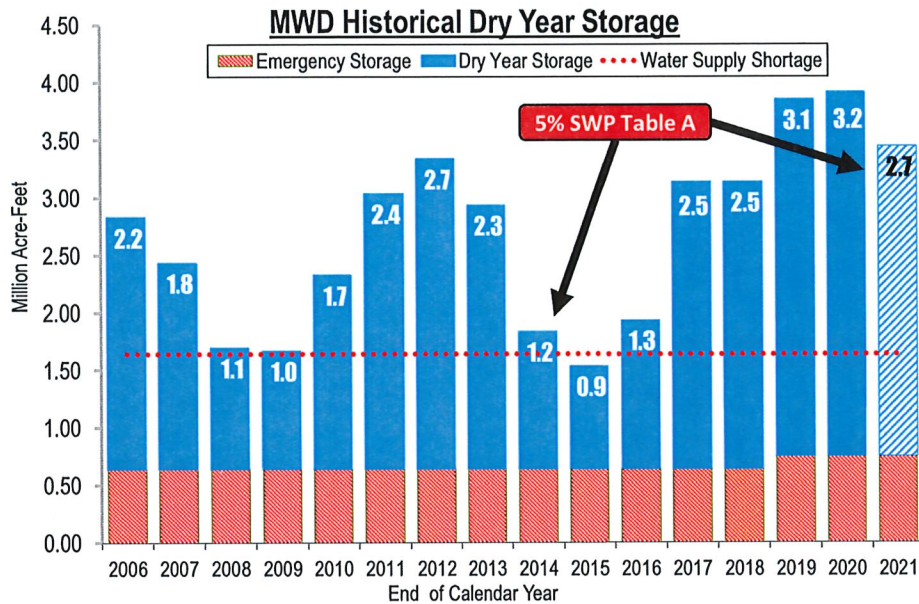
3. Approaches or methodologies to quantify the effects of the drivers.
 - a. The estimation method should depend on the measures available. For example, demand on wholesalers would look at volume per unit time, whereas retail demand comes from customers (meters) and demand per customer.
 - b. Different methods can be combined to estimate drivers' effects, including prior information, estimation from data alone, and Bayesian methods that combine the two.
4. Significant interrelations between ranges and direction of future outcomes for these drivers and how to treat them with internal consistency within the IRP scenarios.
 - a. Assumptions made about population growth (e.g., demographics, housing density/type) should be consistent with assumptions behind drivers of individual water demand (e.g., demographics, housing density/type).
 - b. Water savings associated with one particular driver may be illusory if another driver has already subsumed savings. Understanding interrelations can avoid this “double counting.”
 - c. When using models to predict future water demand, care must be taken to understand how the contexts that were used to generate model parameters compared to the contexts upon which the

<p>MET Integrated Resources Plan Update – continued</p>	<p>predictions are being applied. Representative and up-to-date data are critical to adaptive management.</p> <p>Additionally, the expert panelists were given/asked individual questions from the Metropolitan Board and member agency staff. While the expert panel was not explicitly intended to address these questions in detail, the individual questions were used to improve the discussion's robustness at the workshop. They will help inform each panel member’s written feedback to Metropolitan staff.</p> <p>Full Presentation Link: http://www.mwdh2o.com/PDFWWACurrentBoardAgendas/03232021%20IRP%206a%20Presentation.pdf</p>
<p>MET’s Water Supply Conditions</p>	<p>The 2020-21 Water Year (2020-21 WY) officially started on October 1, 2020. Thus far, Northern California accumulated precipitation (8-Station Index) is reporting 22.3 inches or 56% of normal as of March 22nd. For 2020-21 WY, the Northern Sierra Snow Water Equivalent is reporting 20.2 inches on March 24th, which is 71% of normal for that day. Due to the below-average precipitation/snowfall, the Department of Water Resources (DWR) has reduced the initial State Water Project (SWP) “Table A” allocation from 10% to 5%. This allocation provides Metropolitan with approximately 96,575 AF in SWP deliveries this water year. DWR's SWP Allocation considers several factors, including existing storage in SWP, conservation reservoirs, SWP operational, regulatory constraints, and the 2021 contractor demands. If the Table A allocation remains at 5%, it would be tied for the lowest allocation dating back to 1968. The last time DWR had a Table A Allocation of 5% was in 2014.</p> <p>The Upper Colorado River Basin accumulated precipitation reports 13.1 inches or 77% of normal as of March 22nd. The snowpack is measured across four states in the Upper Colorado River Basin on the Colorado River system. The Upper Colorado River Basin Snow Water Equivalent was reporting 15.5 inches as of March 23rd, which is 87% of normal for that day. Due to the below-average precipitation/snowfall in 2020-21 WY, there is now a 60% chance of a shortage at Lake Mead in 2022 and an 82% chance of shortage in 2023.</p> <p>As of March 23rd, Lake Oroville storage is 40% of total capacity and 53% of normal. As of March 23rd, San Luis Reservoir has a current volume of 56% of the reservoir’s total capacity and is 63% of normal</p> 

MET’s Water Supply Conditions – continued

With estimated total demands and losses of 1.574 million acre-feet (MAF) and a 5% SWP Table A Allocation, Metropolitan is projecting that demands will exceed supply levels in Calendar Year (CY) 2021. Based on this, the estimated total dry-year storage for Metropolitan at the end of *CY 2021 will go down to approximately 2.7 MAF.*

A projected dry-year storage supply of *2.7 MAF will be the third-highest for Metropolitan, an awe-inspiring accomplishment. The last two years have been extremely dry in Northern California.* A significant factor in maintaining a high water storage level is lower than expected water demands. We are seeing regional water demands reaching a 38-year low.



<p>Colorado River Issues</p>	<p><u>Outlook for Lake Mead Continues to Decline</u></p> <p>At the end of February, Lake Mead had reached its high point for the year, and the forecast is for it to drop precipitously for the next 18 months. Lake Mead currently stands at 1,087 feet, which is 12 feet above the shortage trigger. However, as Lower Basin demands begin to increase and releases from Lake Powell decrease, Lake Mead is forecast to decrease by 30 feet by the end of next summer and reach 1,057 feet. It is also likely that this August, Reclamation will declare the first-ever shortage for the Lower Basin states. This initial shortage would impact Arizona, Nevada, and Mexico. California, because of its higher priority status, would not be cut back in this initial shortage. However, if Lake Mead were to drop an additional 12 feet below the current forecast, California and Metropolitan would be required to contribute water to Lake Mead under the terms of the Drought Contingency Plan. Staff will keep the Committee updated on the Colorado Basin's outlook as it enters the key spring months where temperatures can significantly impact the amount of snowmelt runoff.</p> <p><u>Warren H. Brock Reservoir Conservation Summary Report</u></p> <p>Warren H. Brock Reservoir (Brock Reservoir), previously known as Drop 2 Reservoir, is an 8,000acre-foot (AF) capacity regulatory water storage facility. It is in southern California, 25 miles west of Yuma, Arizona, adjacent to the All-American Canal near the Drop 2 Power Plant. The purpose of this facility is to augment regulatory storage capacity in the Colorado River system for flows below Parker Dam, which allows water to be conserved by reducing flows to Mexico in excess of treaty obligations. The construction costs of Brock Reservoir were funded jointly by Southern Nevada Water Authority, Central Arizona Water Conservation District, and Metropolitan. In exchange for the agencies’ funding, each agency received Intentionally Created Surplus (ICS) credits in Lake Mead.</p> <p>In February, the Bureau of Reclamation published a study that documents the volume of water conserved by Brock Reservoir during calendar years 2013 through 2019. Conserved water was estimated based on the modeled difference in regulatory storage below Parker Dam with and without Brock Reservoir based on actual operations during those years. Model results show that Brock Reservoir has conserved approximately 389,339 AF or 55,620 AF per year. Lake Mead is about 5 feet higher today because of the operation of Brock Reservoir. Based on those results, Brock Reservoir is projected to conserve an additional 2,392,000 AF over the project's remaining life (43 years). The actual volume will be larger or smaller depending on year-to-year variability of hydrologic conditions, rainfall events, and other operational considerations along the lower Colorado River. However, total conservation will be far more than the 600,000 AF of System Efficiency ICS granted to project funders. The estimated annual volume of water conserved by Brock Reservoir will be reported in future Decree Accounting Reports.</p>
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<p>Delta Conveyance Activities and State Water Project Issues</p>	<p><u>New Delta Conveyance Deep Dive Videos Available</u> The Delta Conveyance Deep Dive video series, which features interviews with experts on complex project-related topics such as financing, water allocations, and climate change, has published several new videos over the last few months. The complete list, with links, is below:</p> <ul style="list-style-type: none"> • <u>Delta Conveyance Deep Dive: Financing the Project</u> • <u>Delta Conveyance Deep Dive: Allocations (Part 1)</u> • <u>Delta Conveyance Deep Dive: Allocations (Part 2)</u> • <u>Delta Conveyance Deep Dive: Climate Change</u> • <u>Delta Conveyance Deep Dive: State Water Project Operations</u> • <u>Delta Conveyance Deep Dive: Soil Investigations</u> <p><u>Scoping Summary Report for the Delta Conveyance Project</u></p> <p>The Department of Water Resources (DWR) recently published an addendum to the Scoping Summary Report for the Delta Conveyance Project, initially published in July 2020. It summarizes comments received after the official close of the California Environmental Quality Act (CEQA) scoping period on April 17, 2020, through December 14, 2020. Consistent with the original Scoping Summary Report's contents, the Addendum includes the comments DWR continued to receive after scoping pertaining to the alternatives considered and the scope of analysis in the Environmental Impact Report (EIR). The Scoping Summary Report Addendum can be accessed on the <u>Delta Conveyance Environmental Planning page</u> on DWR’s website.</p> <p><u>DWR Approves Modifications to Soil Investigations Project</u></p> <p>Consistent with the need to evaluate the Delta Conveyance Project EIR alternatives, DWR has approved modifications to the soil investigations that were initially approved in July of 2020. Before considering the changes' approval, DWR prepared an addendum to the Final Initial Study/Mitigated Negative Declaration (IS/MND) for the soil investigations in the Sacramento-San Joaquin Delta (Delta). DWR considered both the Final IS/MND adopted in July 2020 and the Addendum before approving the project modifications. The approved modified soil investigation activities, as evaluated in the Addendum, including removing and replacing geotechnical investigation sites not previously evaluated in the Final IS/MND. DWR has determined and documented that these changes will not result in any new potentially significant impacts, and no subsequent EIR or negative declaration is required. To access a copy of the Addendum and associated Notice of Determination, visit the <u>Delta Conveyance Environmental Planning page</u> on DWR’s website.</p> <p><u>Community Benefits Program Workshops</u></p> <p>As part of the Community Benefits Program's ongoing development for the proposed Delta Conveyance Project, DWR will be hosting community workshops this spring to hear from people who live, work, or play in the Delta on program goals and objectives, and project types.</p>
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ENGINEERING & PLANNING	
Economic Benefit Studies and Modeling Work to Quantify the Benefits of Local Projects in the Context of MET’s 2020 Integrated Resources Plan (IRP)	<p>MWDOC staff is working with the Brattle Group and CDM Smith on the Economic Benefits Studies and modeling work. In this process, the consulting team will be working with MWDOC and the member agencies regarding the survey of businesses in Orange County.</p> <p>CDM Smith has completed initial modeling work for a water demand analysis and presented preliminary results to MWDOC’s member agencies at the Managers Meeting on January 21, 2021. Final drafts have been completed. This analysis will support the Urban Water Management Plans and provide information for the Economic Benefits study.</p> <p>Wallace Walrod, an economist for Orange County Business Council and sub-consultant for the Brattle Group, leads the studies’ business survey portion. MWDOC staff has been working with Dr. Walrod on the first draft of the business survey. A meeting will be scheduled with the member agencies later this month to obtain member agency input on the draft business survey.</p>
OC-70 Meter Testing Update	<p>MWDOC, MET, and EOCWD agreed to a reference standard for testing at OC-70 using a calibrated mag meter to test the billing meter to be installed upstream of the OC-70 facility compared to the existing venturi meter.</p> <p>EOCWD provided the use of a new 16-inch McCrometer magnetic flow meter to MET for this testing. The mag meter was sent to Utah State Water Research Lab for calibration. The off-the-shelf calibration of this new meter (KA value) proved to be 8% off when tested in a straight pipe run against the NIST certified weight tank but with good repeatability. The calibrated meter was then tested in the simulated pipe system to the weight tank and adjusted by another 0.5%. MET then completed the installation of the mag meter at OC-70. Site conditions encountered at OC-70 differed from the as-built drawings, causing MET to scramble to make several adjustments in the field.</p> <p>Field testing at OC-70 began on March 1, 2021, and was completed on March 9, 2021. A second OC-70 shutdown was completed on March 22-23, 2021, to retrieve the mag meter and pipe spools which are being sent back to Utah Water Research Lab for final calibration verification. MET staff anticipate final results by the end of April 2021.</p>
OC Hydraulic Model	<p>Black & Veatch has constructed and calibrated the hydraulic model using Innovyze’s InfoWater modeling platform. Staff and B&V are currently working with member agencies to define potential project scopes of work.</p>
Doheny Ocean Desalination Project	<p>South Coast Water District (SCWD) continues working on the project:</p> <ul style="list-style-type: none"> • In 2019, SCWD was awarded an \$8.3 million award from the Water Infrastructure Improvements for the Nation Act of 2016 (WIIN). In December 2020, the Interior Department notified SCWD that the project was selected for an additional \$11.7 million for the project for FY 21 for a

<p>Doheny Ocean Desalination Project – continued</p>	<p>cumulative total of \$20 million which is the existing maximum for WIIN Act Desalination Program funding.</p> <ul style="list-style-type: none"> • SCWD received an extension on filing a Water Infrastructure Finance and Innovation Act (WIFIA) loan application until June 30, 2021. • SCWD submitted its NPDES permit application on March 13, 2020. Regional Board comments were received in September 2020. SCWD re-submitted in January 2021 and anticipates a Board hearing on the NPDES permit in Summer 2021. • A draft Coastal Development Permit has been submitted to Coastal Commission on 11/23/20, and the Commission staff have provided comments. Resubmission of the permit application is anticipated in Mid-2021. • Work is progressing on an Alternative Energy Study by Burns & McDonnell for the project. A draft report is under review by SCWD. • Work is also progressing on the Financial Analysis for a 2 mgd and 5 mgd scenario through Clean Energy Capital. Work is on hold pending input from the Alternative Energy Study. • Progress continues with a third-party hydrogeologic review of San Juan Creek to determine if and to what extent near-shore pumping may have on inland groundwater wells. Additional geophysical fieldwork has been completed, and multiple technical working group meetings have been held to model subsurface flows for the lower portion of San Juan Creek. The geology in the vicinity of Stonehill Drive is extremely complex. Still, modeling shows a subsurface barrier that impedes groundwater flows between the upper and lower portions of the creek in Stonehill Drive's vicinity. The hydrogeologists modeled the hydrogeologic flows between the upper and lower portions of the creek and presented 3D modeling results in March 2021. • A draft report on a Doheny/GRF Hybrid Option Study has been submitted to SCWD for review in January 2021. • SCWD has identified additional environmental permitting tasks related to preparation, technical support, and submission for key resource agencies. The proposed tasks will be completed during the next eight months, with the final public hearing taking place by October 2021. <p>On June 25, 2020, the SCWD Board approved an amendment to the Clean Energy Capital Financial Analysis to evaluate alternative project options that meet reliability benefits for SCWD similar to the Doheny Desalination Project, along with reducing overall life-cycle costs in light of the uncertain economic situation moving forward due to the COVID-19 pandemic.</p> <p>The Doheny Desalination Project is currently sized at a capacity of up to 5 MGD, which exceeds SCWD’s average potable water demand expected during emergencies. SCWD has only received interest from SMWD for about 1 mgd of supply from Doheny. This leaves South Coast with potential capacity for others in a 5 MGD facility. Based on this, along with regional financial hardships caused by the COVID-19 pandemic and potential economic recession, SCWD believes that it is necessary to consider alternative, potentially lower-cost project options to utilize and potentially expand existing assets as a means to meet their reliability needs.</p>
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<p>Doheny Ocean Desalination Project – continued</p>	<p>This amended study reviews design parameters and existing conditions at SCWD’s existing Groundwater Recovery Facility (GRF) to obtain a comprehensive understanding of the actual production capacity of the GRF and current limitations and reliability concerns. A range of additional water production volumes needed to maintain emergency reliability for SCWD will be developed. Current estimates are that 1.2 to 2.2 mgd of additional reliability will be needed for SCWD based on a GRF production volume of 0.8 mgd.</p>
<p>SMWD San Juan Watershed Project</p>	<p>Santa Margarita WD continues to focus on diversifying its water supply portfolio toward obtaining a goal of 30% local supplies. The San Juan Watershed Project is one project SMWD is working on toward that goal.</p> <p>The original project was envisioned to have three Phases; Phase 1 included three rubber dams along San Juan Creek to recover about 700 Acre-Feet-per Year (AFY); Phase 2 added up to 8 additional rubber dams and the introduction of recycled water into the creek to improve replenishment of the basin to recover up to 6,120 AFY. Phase 3 added more recycled water topping out at approximately 9,480 AFY. Under this arrangement, most or all of the production and treatment involved the existing San Juan Groundwater Desalter with expansions scheduled along the way to increase production beyond 5 mgd. Fish passage and regulatory hurdles to satisfy subsurface travel time requirements continue to be addressed.</p> <p>SMWD has since modified the project. Currently, SMWD is working with the Ranch on the next phase of development within SMWD’s service area and working on access to riparian groundwater from the Ranch in the San Juan Creek's upper portions watershed. SMWD plans to construct a water filtration plant to treat this additional water, which currently has the working title of ‘The Ranch Water Filtration Plant’ (RWFP). The draft CEQA documentation for the RWFP is going to the SMWD E&O Committee for review in February 2021. SMWD anticipates that the RWFP plant will begin operation in the 1st quarter of 2022. This new first phase will treat approximately 1,000 AFY of non-potable water to produce 800 – 900 AFY of potable water, which will then be put directly into the SMWD water system. The RWFP treatment system will consist of Microfiltration or Ultrafiltration, Reverse Osmosis, and Chloramines.</p> <p>SMWD also continues to work with the California Department of Fish and Wildlife (CDFW) and National Marine Fisheries Service (NMFS) on steelhead trout regulations for any work occurring within the San Juan Creek stream. This new RWFP 1st phase is ‘off-stream which is allowing the project to move forward.</p> <p>A new 2nd phase of the project will use infiltration basins (stormwater/flood) that will be constructed as part of the Ranch’s next phase of development. SMWD is looking to fill these new basins with recycled water in the summer when the basins are empty and then take it back out. Doing this, SMWD anticipates increasing the source water supplies for the RWFP to approximately 5,000 AFY. Both State and US Bureau of Reclamation grants are being pursued for this project.</p> <p>SMWD has discovered that the local geology has high vertical percolation rates and sufficient groundwater basin travel time (lower horizontal conductivity) to potentially allow percolation of treated recycled water with an ability to meet the required travel time regulations. SMWD is of the opinion that permitting for percolation augmentation using recycled water from the nearby Trampas reservoir can be added as permitting allows. SMWD believes the new project may ultimately produce 4,000 to 5,000 AFY; they believe the original project will continue to be</p>

<p>SMWD San Juan Watershed Project – continued</p>	<p>developed for production out of the wells and treatment provided by San Juan Capistrano as the two agencies merge. Ultimate production out of the basin could exceed 10,000 AFY if all goes well.</p>
<p>South Orange County Emergency Service Program</p>	<p>MWDOC, IRWD, and Dudek have completed the study to determine if the existing IRWD South Orange County Interconnection capacity for providing emergency water to South Orange County can be expanded and/or extended beyond its current time horizon of 2030.</p> <p>Dudek participated in the November 6, 2019, SOC workshop to re-engage with the SOC agencies on this project. Support from the agencies was expressed to take a small next step to install Variable Frequency Drives at a pump station within IRWD which would be paid for by SOC to help move water from the IRWD system to SOC in an emergency. The Variable Frequency Drives will provide more flexibility to the IRWD operations staff to allow additional water to be sent to SOC while meeting all of the IRWD needs.</p>
<p>Strand Ranch Project</p>	<p>MWDOC and IRWD are continuing to exchange ideas on implementing the program to capture the benefits that can be provided by the development of “extraordinary supplies” from the Strand Ranch Project. Staff from MWDOC and IRWD met in August 2020 and reached out to other agencies to determine the project’s level of interest.</p>
<p>Poseidon Resources Huntington Beach Ocean Desalination Project</p>	<p>The Santa Ana Regional Water Quality Control Board (SARWQCB) continues to work with Poseidon to renew the National Pollutant Discharge Elimination System (NPDES) Permit for the proposed HB Desalination Project.</p> <p>The renewal of the NPDES permit for the proposed desalination facility requires a California Water Code section 13142.5(b) determination in accordance with the State’s Ocean Plan (a.k.a. the Desalination Amendment). To make a consistency determination with the Desalination Amendment, the Regional Board is required to analyze the project using a two-step process:</p> <ol style="list-style-type: none"> 1. Analyze separately as independent considerations a range of feasible alternatives for the best available alternative to minimize intake and mortality of all forms of marine life: <ol style="list-style-type: none"> a. Site b. Design c. Technology d. Mitigation Measures 2. Then, consider all four factors collectively and determine the best combination of feasible alternatives. <p>The key areas required by the Ocean Plan on which the Santa Ana Water Board is required to decide includes:</p> <ul style="list-style-type: none"> • Facility onshore location; • Intake considerations including subsurface and surface intake systems;

<p>Poseidon Resources Huntington Beach Ocean Desalination Project – continued</p>	<ul style="list-style-type: none"> • Identified need for the desalinated water; • Concentrated brine discharge considerations; • Calculation of the marine life impacts; and • Determination of the best feasible mitigation project available. <p>On December 6, 2019, SARWQCB, Regional Board staff, conducted a workshop in Huntington Beach that was heavily attended with a considerable range of views expressed at the meeting.</p> <p>On May 15, 2020, SARWQB held a second workshop, which focused on the identified need for the desalinated water and marine life mitigation requirements. Karl Seckel presented to the Regional Board on several topics, including MWDOC’s role in Orange County, alternative definitions of “need” for a water supply project and the role of water agencies, Urban Water Management Plans, non-mandated planning documents, and what was and was NOT in the 2018 OC Water Reliability Study.</p> <p>On September 15, 2020, the Regional Board postponed action on the waste discharge permit renewal at Poseidon's request to allow additional time to address concerns raised in three days of public hearings.</p> <p>On February 12, 2021, the Santa Ana Regional Water Board released a tentative order detailing proposed revisions to the project. The Tentative order is available at: https://www.waterboards.ca.gov/santaana/public_notices/docs/2021/NPH_Poseidon_Order_R8-2021-0011.pdf</p> <p>The changes include:</p> <ul style="list-style-type: none"> • Revisions to the mitigation acres for the inlet dredging in Bolsa Chica so that the dredging accounts for no more than 25% of the mitigation acreage needed to minimize the intake and mortality of all forms of marine life. <p>Poseidon has proposed additional mitigation to meet the Ocean Plan requirements and proposed additional restoration at the Bolsa Chica Wetlands and the creation of an artificial reef along the Palos Verdes Peninsula to satisfy the remaining mitigation requirements.</p> <ul style="list-style-type: none"> • a finding regarding the human right to water policy adopted by the State and adopted by the SARWQB as a core value. The Order is consistent with and promotes the human right to water policy. • The Discharger deadline to submit the Climate Change Action Plan was revised from within three years of the Order's effective date to 18 months. <p>Continued public hearings are scheduled for April 23, 2021, at 9:00 am, and if needed, April 29, 2021, to review the revisions and vote on renewing Poseidon’s permit.</p> <p>Assuming success at the Regional Board, Poseidon would then seek its final permits from the California Coastal Commission (CCC). The CCC has committed to reviewing the permit within 90 days of the SARWQCB NPDES permit issuance.</p>
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<p>Trampas Canyon Dam and Reservoir</p>	<p>Trampas Canyon Reservoir and Dam (Trampas Reservoir) is a seasonal recycled water storage reservoir, with a total capacity of 5,000 AF, of which 2,500 AF is available to meet Santa Margarita Water District’s projected base recycled water demands, and 2,500 AF to meet future water supply needs. When completed, the Trampas Reservoir will allow SMWD to store recycled water in the winter and draw on that water during the peak summer months.</p> <p>The construction of the Trampas Canyon Recycled Water Seasonal Storage Reservoir consists of three main components:</p> <ol style="list-style-type: none"> 1. Trampas Canyon Dam (Dam) 2. Conveyance facilities to transport recycled water into and out of the Reservoir (Pipelines) 3. Trampas Canyon Pump Station (Pump Station) <p>The construction of the facilities is being completed in three phases:</p> <ol style="list-style-type: none"> 1. Preconstruction/Site Preparation for the Dam and Pump Station Construction Project Status – Completed in 2018 2. Dam and Pipelines Project Status – All of the pipelines that convey the recycled water to and from the reservoir have been completed. SMWD is ready to fill, monitor, and operate the Reservoir predicated on the receipt of Permit to Operate from the Division of Safety of Dams (DSOD). 3. Pump Station Project Status – All pre-startup work necessary for pumping has been completed. SMWD has opted not to operate and test the pumps until it has the flexibility of sending water into the Reservoir, which will make the testing activities more efficient and help conserve water. <p>The Emergency Action Plan (EAP) for Trampas Dam has been finalized and submitted to CalOES. This satisfies the requirement for DSOD to have an EAP in place before issuing a permit to impound water behind the dam.</p>
<p>AMP Shutdown in 2021 to Replace PCCP Sections</p>	<p>In 2016, MET initiated a Prestressed Concrete Cylinder Pipe (PCCP) rehabilitation program to install 100 miles of steel liner throughout the MET system to address structural issues associated with prestressed steel wire failures in PCCP. As part of the program, MET monitors PCCP for wire breaks regularly.</p> <p>MWDOC staff was notified that an internal inspection of the AMP revealed two pipe segments with increased wire breaks within the PCCP portion south of OC-70. Metropolitan Engineering considers this section of the pipeline to be at high risk due to pipe segments with 20 or more wire breaks. The minimum relining length needed is approximately 1,000 feet and requires a minimum 37-day shutdown for the portion of the AMP south of OC-70. MET had originally scheduled the AMP PCCP relining to begin in about five years, but based on the survey. MET does not recommend that repairs to these segments wait until Fall 2021.</p> <p>Two MWDOC member agency projects were scheduled around the same time as the pending AMP shutdown; a South Coast Water District vault rehabilitation on the</p>

<p>AMP Shutdown in 2021 to Replace PCCP Sections – continued</p>	<p>JTM that was previously postponed due to the previous Diemer shutdown and Santa Margarita Water District relocation of a portion of the Aufdenkamp Connection Transmission Main (ACTM) to accommodate the I-5 widening project. Both projects have been completed and are back in operation.</p> <p>The AMP shutdown is planned for April 4, 2021, through May 10, 2021.</p> <p>Staff coordinated a meeting with impacted AMP agencies on February 9, 2021, to discuss scenarios regarding moving water around the impacted agencies to meet demands during the shutdown.</p> <p>Staff is continuing to work with affected agencies and will keep both the Board and the AMP Participants informed as more information becomes available.</p>
<p>Other Shutdowns</p>	<p>Orange County Feeder</p> <p>MET plans to reline and replace valves in a section of the Orange County Feeder from Bristol Ave to Corona Del Mar – this is the last section of this 80-year-old pipeline to be lined.</p> <p>MET has further delayed the relining project and has proposed new shutdown dates of September 15, 2022, through June 15, 2023.</p> <p>Orange County Feeder Extension</p> <p>MET plans to reline 300-linear feet of the OC Feeder extension affecting the City of Newport Beach, IRWD, and LBCWD.</p> <p>MET has delayed the relining project by one year and has proposed new shutdown dates of June 16, 2023, through July 10, 2023.</p> <p>Joint Transmission Main</p> <p>SCWD has completed the rehabilitation project of their CM-10 vault on the Joint Transmission Main (JTM), which included replacing existing valves.</p> <p>Aufdenkamp Connection Transmission Main</p> <p>SMWD has completed the relocation of a section of the ACTM pipeline for the I-5 widening project.</p>
<p>EMERGENCY PREPAREDNESS</p>	
<p>COVID-19 (Corona Virus) Coordination</p>	<ul style="list-style-type: none"> • WEROC continues to monitor the State and County for changing information and is sharing information with agencies as it becomes available. • WEROC is participating in the weekly Operational Area Conference calls. • WEROC continues to hold bi-weekly conference calls on Tuesdays with member agencies to report on Federal, State, and County changes. Calls continue to support the sharing of information between agencies. • Vicki continues to support agencies daily with COVID-19 related questions and guidance needs. • Vicki is a member of the County POD IMT coordination calls. WEROC is coordinating with any special district that wishes to provide staffing to the County Super PODS.

<p>COVID-19 (Corona Virus) Coordination – continued</p>	<ul style="list-style-type: none"> • Vicki continued to advocate for water and wastewater workers to be added to the 1b Tier. Vicki got Dr. Chau to agree on the Operational Area Coordination call to agree that public works, water, and wastewater are Tier 1b and eligible. Vicki had another meeting with Dr. Chau and Dr. CK scheduled following the Operational Area Coordination call to finalize the discussion. Still, the State changed the 1B tier to include utility workers (water/wastewater) on 3/11/21, so this meeting was canceled. Email directions were sent to WEROC agencies immediately so they could begin the registration process. • Vicki also provided a verification letter to the agencies for staff to use at the POD locations. • On the 3/16/21 WEROC Bi-Weekly Conference call, Vicki shared information regarding the American Rescue Plan Act COVID-19 Relief Funding. Allocations to the State, cities, and Counties have been made. Cities allocations are based on if all cities participate so that the funding number could change. Even though it was included in the legislation, Special Districts has no direct allocation amounts indicated at this time. CSDA has sent information to special districts highlighting activities to be done now in preparation. This and other information is included in the WEROC Conference Call minutes to be sent later this week. • CalOSHA is reanalyzing the Temporary Emergency Standards in place for section 3205. As of 3/28/21, CalOSHA is meeting with the California Department of Public Health on changes recommended by CDC for both agencies to try to get on the same page, but there is still no resolution or updates to the COVID-19 ETS. To highlight one area of conversation is the quarantine time for someone vaccinated vs. not, or the mask-wearing requirements WEROC will monitor the discussions and outcomes and provide information to the agencies as it is available • Vicki and Cathy, MWDOC HR Director, on working on the MWDOC COVID Control Plan updates to include resumption of business services, including in-person meetings, travel, etc. This plan will be tied to the current regulations, vaccine status, and MWDOC facility construction schedule.
<p>March Incidents/ Events (cyber, mutual assistance coordination)</p>	<ul style="list-style-type: none"> • WEROC coordinated with the OCIAC and a member agency on an identified vulnerability during March. • WEROC coordinated and participated with the County during the March rain events in correlation with the Bond Fire Debris Flow Plan. There were no impacts on water/wastewater.
<p>America’s Water Infrastructure Act (AWIA)</p>	<ul style="list-style-type: none"> • WEROC and its consultant, Herndon Solutions Group (HSG), continue to work with WEROC agencies to comply with America’s Water Infrastructure Act (AWIA). • Tier II agencies successfully completed their RRA submittals by the December 31, 2020 deadline. The Emergency Response Plan phase will be due in June 2021. Tier II agencies began their Emergency Response Plan meetings at the end of January.

<p>America’s Water Infrastructure Act (AWIA) - continued</p>	<ul style="list-style-type: none"> • All Tier III agencies have begun their workshops. The Tier III agencies RRA are due June 30, 2021. • Eight agencies workshops were conducted in March utilizing various virtual platforms, dependent on the agency preference.
<p>Communication and Coordination With Member Agencies and Outside Agencies</p>	<ul style="list-style-type: none"> • Daniel is providing important cybersecurity information to the member agencies. The Cyber Communications group is being used to disseminate this information. • WEROC continues to assist the County/Operational Area Emergency Management Division with getting the water and wastewater Special Districts signed Operational Area Agreements completed. The new Operational Area agreement went into effect in September 2020. Vicki attended the Board Meetings for Laguna Beach County and South Coast Water District, who passed the agreement in March. There are only four special district water agencies left that have not submitted their completed agreements. • Vicki had a meeting with CSDA regarding the back-end and history of Public Safety Power Shutoffs, generator use, SB 560, and AB 1403. Vicki provided additional information in regards to the current regulations, the proclamation process. It was an excellent engagement that may lead to other training opportunities with CSDA in the future regarding the proclamation process and the tie-in to the Operational Area/County level. • Vicki attended the State CalWARN board meeting and is assisting with revising the Mutual Assistance plan, which has not been updated in 4 years and, based on recent events, requires some changes and training. • Vicki is assisting the Orange County Sanitation District with the field exercise in April and has attended the internal planning meetings. The exercise will be conducted on April 28th. Vicki is evaluating the EOC Operations and Coordination activities. • Vicki attended the COAST – County of Orange Area Safety Taskforce meeting. This group focuses on fire mitigation activities. The meeting on 3/18 focused on the revision of the Community Wildfire Protection Plan (CWPP). The modification will increase the inclusionary areas and agencies for Laguna Beach and Brea's wildland fire areas. This document assists with grant funding as another support document highlighting mitigation and planning efforts. The other interesting topic was the seasonal weather outlook for March-June's months (I have the report if there is an interest). • WEROC participated in the State’s Annual Tsunami Communication drill with the County Operational Area. If this were an actual event, Vicki would communicate timeline, updates, and actions agencies should be taking based on the seismic event that triggered a tsunami affecting all agencies along the coast. • Daniel, on 3/30, met with representatives from the UCI Emergency Management, presented our structure, and set up. UCI likes some of the processes and equipment in place and wishes to replicate some of these items within its EOC

<p>WEROC Assessment Implementation and Planning Efforts</p>	<ul style="list-style-type: none"> • In relation to the WEROC Assessment Report, the Records and Data Management project is 79% completed. Janine is updating the outdated documents in the safety center. • Program, Planning Maintenance and Recommendation Matrix are 100% completed as a comparison of federal and state mandates in relation to current planning continues. This matrix includes staff program and planning assignments and each member of the WEROC team. Internal planning meeting occurred to discuss and implement this matrix. • Staffing assignments and realignment of roles and responsibilities are 40% completed. A survey was sent to the internal members of MWDOC to highlight currently assigned roles and potential future reassignment of roles. Once this part of the EOC responder assignment's realignment is completed, training will begin with the updated Emergency Operations Plan. • The WEROC EOP is 95% completed, Management has provided feedback to Daniel on the plan, and he is making final changes. This plan will be done in April.
<p>EOC Readiness</p>	<ul style="list-style-type: none"> • Daniel is working on maintaining the operational function for the South EOC. He is focused on the project areas with the generator and IT systems (on-going). • There is no update from the County on the status of the WebEOC Resource Management and Resource Request board issues or timeline when the issues will be resolved. Janine attended the Operational Area Technology committee meeting on 3/24. • Janine continues to update member agency contact information.
<p>Training and Exercises</p>	<ul style="list-style-type: none"> • Daniel hosted one 800 MHz radio training in March. • WEROC has hosted a Cyber Security Training on 3/18 in partnership with the Orange County Intelligence Assessment Center. There were 68 attendees for this training. Daniel is working on scheduling additional cyber courses at the request of the member agencies. • Daniel began his National Emergency Management Advanced Academy (NEMAA). This is a nationally offered class targeting California representatives from Federal, State, City, County, Local, Tribal, and Territorial Governments and Emergency Managers from Higher Education, DOD, Private Sector, American Red Cross, Public Health Volunteers. To attend, you have to be sponsored and selected. This course will further enhance Daniels’ experience and professional career. • Janine is in the final stages of completed a grant writing course. This will provide her and WEROC with additional skill sets to look for additional funding for different programs.

WATER USE EFFICIENCY	
Joint Targeted Water Use Efficiency Project Discussion	<p>On March 5, Steve Hedges, Rachel Waite, and Andrea Antony-Morr met with staff from Orange county Coastkeeper and Moulton Niguel Water District to discuss a joint project. The potential project would target high-water-using customers who are typically hard to reach, such as homeowner associations.</p>
Orange County Data Acquisition Partnership (OCDAP)	<p>On March 8, Steve and Rachel W. participated in the OCDAP working group. Attendees included staff from MWDOC, Southern California Association of Governments, Center for Demographic Research, Orange County Fire Authority, Orange County Water District, Santa Ana Watershed Project Authority, and the City of Yorba Linda. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Deliverables and Flight Status Update • Timeline to Receive Data • OCDAP Cycle 1 Participation Agreement Tracking Log • OCDAP Cycle 1 Payment Log • OCDAP Cycle 2 <ul style="list-style-type: none"> ○ Timeline ○ Cycle 2 Lead Agency ○ Deliverables • USGS FY 20/21 Broad Agency Announcement • Other Matters <p>The next meeting is scheduled for April 12.</p>
Water Conservation Data Collaborative	<p>On March 9, Rachel W. attended the Water Conservation Data Collaborative hosted by San Antonio Water Systems (SAWS). The meeting was attended by water conservation data analysts from MWDOC, SAWS, City of Austin, City of Bend, City of Santa Barbara, Moulton Niguel Water District, and Maddaus Water Management. Topics discussed revolved around Flume as a data source and water usage trends before and during the ongoing COVID-19 pandemic.</p> <p>The next meeting will be held sometime in May.</p>
Department of Water Resources (DWR) Water Use Study Workgroup Meeting – Variances and Bonus Incentives	<p>On March 11, Joe Berg, Beth Fahl, Rachel W., and Andrea attended DWR’s Water Use Study Workgroup Meeting about SB 606 and AB 1668 (Conservation Framework). This workgroup focused on variances and bonus incentives and research related to the development of potential variance categories. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Summary Recap and Expectations for the Workshop • Variance: Fluctuations in Seasonal Populations • Variance: Evaporative Coolers • Variance: Soil Compaction and Dust Control • Introduction to Bonus Incentives • Next Steps

<p>Department of Water Resources (DWR) Water Use Study Workgroup Meeting – Variances and Bonus Incentives – continued</p>	<p>On April 8, Joe, Beth, Rachel W., and Andrea attended DWR’s Water Use Study Workgroup Meeting focusing on variances and bonus incentives. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Meeting Logistics and Welcoming Remarks • Summary Recap and Expectations for the workgroup • Bonus Incentives • Variance: Fire Protection • Variance: Horses and Livestock • Updates: (1) Soil Stabilization and Dust Control; (2) Season Populations; (3) Evaporative Coolers; and (4) Medical Devices • Next Steps <p>The next Water Use Study Workgroup Meeting focusing on variances and bonus incentives is scheduled for May 13.</p>
<p>Dedicated Irrigation Meter (DIM) Area Measurements for Orange County Retailers</p>	<p>On March 15, Joe and Rachel W. hosted a meeting with the Orange County Retailers to discuss DIM Area Measurements. Approximately 25 attendees representing 18 Orange County retailers joined the meeting. The meeting focused on providing information and facilitating discussion around MWDOC’s DIM Area Measurements Assistance Program to (1) increase awareness and share project details; (2) answer questions and receive feedback; and (3) provide MWDOC with a better understanding of the levels of interest and participation. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Conservation Framework and Project Overview <ul style="list-style-type: none"> ○ Components of the Water Use Objective ○ DIM Measurements – How MWDOC is Offering Assistance • Project Costs • Project Timeline • Discussion and Questions. <p>A follow-up meeting may be scheduled in May.</p>
<p>Project Agreement 22 Advisory Workgroup Meeting</p>	<p>On March 15, Steve and Rachel W. attended the Project Agreement (PA) 22 Advisory Workgroup Meeting hosted by Santa Ana Watershed Project Authority (SAWPA). Topics on the agenda included:</p> <ul style="list-style-type: none"> • PA 22 Committee Budget Approval <ul style="list-style-type: none"> ○ Overview of Proposed 2-year Budget ○ Overview of Invoice Amounts Included in Budget • Enhanced Water Budget Prop 1/United State Bureau of Reclamation (USBR) Project <ul style="list-style-type: none"> ○ Overview of Upper Watershed RFP Bids ○ Feedback from SAWPA member agencies ○ Update on USBR Work • Santa Ana River Conservation and Conjunctive Use Program (SARCUUP) Water Budget Assistance Project Update <ul style="list-style-type: none"> ○ Kick-Off Meeting on March 24 ○ Recruitment Process Update ○ Feedback from Conversations with Member Agencies and Retailers

<p>Project Agreement 22 Advisory Workgroup Meeting – continued</p>	<p>On March 30, Rachel W. attended the Project Agreement (PA) 22 Advisory Workgroup Meeting hosted by SAWPA. The purpose of this meeting was for SAWPA staff to share and discuss, with their member agencies, the 2021 Upper Watershed Aerial Imagery contract to be proposed to the PA 22 Committee.</p> <p>The next meeting is scheduled for April 19</p>
<p>Proposition 1 Project Partners Meeting</p>	<p>On March 17, Joe, Steve, Rachel W., and Andrea hosted a Proposition 1 Project Partners meeting to discuss the collaborative project among MWD, Big Bear Department of Water, Eastern Municipal Water District, Inland Empire Utilities Agency, and Western Municipal Water District, which is funded through Proposition 1. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Project Refresh • Agreements <ul style="list-style-type: none"> ○ Structure ○ Timing • Reporting <ul style="list-style-type: none"> ○ Timing and Schedule ○ Format • Tracking • Signage • Questions <p>The next Proposition 1 Project Partners meeting is scheduled for April 20.</p>
<p>California Water Efficiency Partnership (CalWEP) Landscape Task Force Fire Rebuild Group</p>	<p>On March 17, Andrea participated in a remote meeting with Krista Guerrero from Metropolitan Water District, Lisa Cuellar from CalWEP, Debby Figoni from the City of Beverly Hills, and Cheryl Buckwalter from Landscape Liaisons. This was the first meeting of the CalWEP Landscape Task Force Fire Rebuild Group, and the overall goals and deliverables for the group were discussed. Andrea’s will be focusing on finding firescaping resources produced by non-profits, such as the California Native Plant Society.</p> <p>On April 5, Andrea participated in a remote meeting with Lisa Cuellar from CalWEP, Debby Figoni from the City of Beverly Hills, Anya Kamenskaya from East Bay Municipal Utility District Cheryl Buckwalter from Landscape Liaisons. The agenda included sharing resources each group member found and establishing a timeline for deliverables.</p> <p>The next meeting is scheduled for April 19.</p>
<p>Metropolitan Water District of Southern California Metropolitan Water Use Efficiency Workgroup Meeting</p>	<p>On March 18, Andrea, Beth, Rachel Davis, and Rachel W. participated via Zoom in Metropolitan’s Water Use Efficiency Workgroup meeting. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Welcome • Model Water Efficient Landscapes • March Metropolitan Water District Board Presentations <ul style="list-style-type: none"> ○ Conservation Board Report • Commercial Mixed-Use Meters (presentation from Moulton Nigel Water District)

<p>Metropolitan Water District of Southern California Metropolitan Water Use Efficiency Workgroup Meeting – continued</p>	<ul style="list-style-type: none"> • Residential Leak Detection: Smart Leak Detector Rebate Coupon Program (presentation by Southern Nevada Water Authority) • Residential Irrigation Surveys • Metropolitan Water District Program Updates <ul style="list-style-type: none"> ○ Regional Residential Leak Detection Program ○ Pre-1994 Multi-Family Property Toilet Replacement Program • Welcome Corner Landscape Transformation Partnership Program (presentation from City of Simi Valley and Waterworks District No. 8) <ul style="list-style-type: none"> ○ Campus Water Connections Program • External Affairs Update • Member Agency Roundtable <p>The next Workgroup meeting is scheduled for April 15.</p>
<p>DWR Water Use Study Workgroup Meeting – Commercial, Industrial, and Institutional (CII)</p>	<p>On March 22, Joe, Beth, Rachel W., and Andrea attended DWR’s Water Use Study Workgroup related to the CII water use. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Developing the CII Water Use Related Elements <ul style="list-style-type: none"> ○ CII Water Use Classification System ○ CII Performance Measures ○ Standard for Outdoor Irrigation of Landscape Area with Dedicated Meters • CII Water Use Classification System • Overview of CII Performance Measures • Developing Recommendations for CII Performance Measures • Standard for CII Outdoor Irrigation of Landscape Area with Dedicated Irrigation Meters • Wrap Up and Next Steps <p>The next Water Use Study Workgroup related to CII water use is scheduled for April 26.</p>
<p>Dedicated Irrigation Meter Area Measurements Program for City of Seal Beach Discussion</p>	<p>On March 23, Joe and Rachel W. met with City of Seal Beach Staff to discuss the City’s involvement in MWDOP’s DIM Area Measurements Assistance Program. Topics discussed included:</p> <ul style="list-style-type: none"> • Overview of the Conservation Framework • How this project supports the City’s compliance • Project Cost • Project Timeline • Additional Questions
<p>SAWPA Kick-Off Meeting for Dedicated Irrigation Landscape Meter Project</p>	<p>On March 24, Rachel W. attended SAWPA’s Kick-Off Meeting for its Dedicated Irrigation Landscape Meter Project, which introduced SAWPA’s DIM area measurement effort to SAWPA member agencies. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Introductions and Overview of Agency/Firm Management Structures • DWR Proposition 84 Grant Requirements • State Water Conservation Regulation Requirements • Benefits to Retail and Wholesale Water Agencies • Benefits to Dedicated Landscape Meter Customers • Retailer Recruitment Approach

<p>SAWPA Kick-Off Meeting for Dedicated Irrigation Landscape Meter Project – continued</p>	<ul style="list-style-type: none"> ○ Workshop and Attendees ○ Recruitment Timeline ○ Geolocated vs. Non-Geolocated Retailers ● Quantum and Subcontractors Approach for Developing Budgets ● Data Transfer Process
<p>Dedicated Irrigation Meter Area Measurements Program for City of Tustin Discussion</p>	<p>On April 1, Rachel W. met with staff from the City of Tustin to discuss the City’s involvement in MWDOC’s DIM Area Measurements Assistance Program. Topics discussed included:</p> <ul style="list-style-type: none"> ● Overview of the Conservation Framework ● How Project Supports the City’s Compliance with the Framework ● Project Cost ● Project Timeline ● Additional Questions
<p>Alliance for Water Efficiency Cooling Tower Estimating Model Webinar Presentation</p>	<p>On April 8, Rachel W. and Sam Fetter were panelists for the Cooling Tower Estimating Model (CTEM) Webinar, hosted by Alliance for Water Efficiency (AWE). Approximately 150 attendees across the United States and Canada joined the webinar. Rachel and Sam presented MWDOC’s work using the CTEM model using aerial imagery to validate the presence of predicted cooling towers. Other panelists included representatives from Pacific Northwest National Laboratory, creators of the model, and Maureen Erbeznik and Associates, a key consultant to the project.</p>
<p>Orange County Water Use Efficiency Coordinators Workgroup Meeting</p>	<p>On April 1, Jo, Steve, Beth, Rachel W., Andrea, and Rachel D. hosted the Orange County Water Use Efficiency Coordinators Workgroup meeting via Zoom. Highlights on the agenda included:</p> <ul style="list-style-type: none"> ● MWDOC Updates ● Agency Problem Solving Roundtable ● West Basin CII and Restaurant Programs ● Water Supply Update ● Metropolitan Update <ul style="list-style-type: none"> ○ Model Water Efficient Landscape Series ○ Regional Residential Leak Detection Rebate Program ○ Pre-1994 Multi-Family Property Toilet Replacement Program ○ Addenda 20A for Residential and CII Programs ● Conservation Framework <ul style="list-style-type: none"> ○ Upcoming Meetings of Interest ● Water Use Efficiency Updates <ul style="list-style-type: none"> ○ Turf Removal ○ Landscape Design Assistance Program ○ Reformulated Residential End Use Study ○ Choice Program ● CalWEP Update ● Future Agenda Items <p>The next Workgroup meeting is scheduled for May 6.</p>

PUBLIC/GOVERNMENT AFFAIRS

<p>Member Agency Relations</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Developed and distributed Wyland National Mayor’s Challenge for Water Conservation Media Kit for member agencies • Attended Orange County Water District’s (OCWD) 2020 Retrospective: Wildlife Populations Thrive on OCWD Lands • Attended Irvine Ranch Water District’s San Joaquin Marsh & Wildlife Sanctuary Virtual Tour • Created Pressure Regulating Valve marketing materials for South Coast Water District and updated materials for Irvine Ranch Water District <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Hosted a grants tracking and acquisition meeting and provided timely updates on deadlines • Worked with the City of Newport Beach on shutoff issues and answers inquiries regarding flow restrictors • Distributed the monthly grants tracking and acquisition report to member agencies • Distributed information on a webinar hosted by the California Department of Housing and Community Development to help utilities understand how to access Emergency Rental Assistance for Utility Providers under the recently adopted SB 91 COVID Relief funding bill • Provided a legislative update to the OC Met Managers group • Distributed a “save the date” to member agencies on the upcoming SCAQMD working group meeting updating regulations affecting emergency generator use
<p>Community Relations</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Met with Metropolitan Water District of Southern California to discuss virtual Scouts programs • Met with Bolsa Chica Conservancy to discuss virtual Scouts program opportunities <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Volunteered at a COVID-19 vaccination POD • Assisted SDCWA staff with federal RFP coordination and feedback, including sharing our distribution list
<p>Education</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Met with Water Energy Education Alliance sponsors and regional leads to discuss 2020-21 and 2021-22 deliverables. • Submitted an article on the Water-Energy Education Alliance to OC STEM • Attended the Orange County Community Foundation Workforce Initiative meeting • Met with Orange County Community Foundation regarding a grant opportunity for the Water-Energy Education Alliance

<p>Education – continued</p>	<ul style="list-style-type: none"> • Met with a teacher about building workforce pathways to water careers for Santa Ana Unified School District • Met with Strategic Competitive Gains on communications training • Met with California Environmental Literacy Initiative to discuss plans for reorganization • Met with Alison Loukeh to discuss the steps required for building Career Technical Education programs • Met with Orange County Department of Education and Hashtag Pinpoint to discuss education video series project • Met with Orange County Department of Education on a pilot water education project for San Joaquin Elementary • Hosted and led a meeting with the Water-Energy Education Alliance regional leads to discuss roles and resources needed • Met with Mesa Water to discuss the industry awards process • Met with UC Master Gardeners to discuss partnership opportunities • Met with UC Irvine Civil & Environmental Engineering Affiliates to discuss virtual externship opportunity • Attended the Energy, Construction, and Utilities Advisory Board meeting • Participated in a California Environmental Literacy Leadership Council meeting • Presented on Career Technical Education and the Water-Energy Education Alliance at the Department of Water Resources Water Education Committee Meeting • Co-presented educational video series project at the Metropolitan Water District of Southern California’s Education Coordinator’s Meeting • Met with Ten Strands CTE working group to discuss the integration of environmental literacy into Career Technical Education programs • Conducted interviews for RFP 0119-001: Design and Implementation of Water Education School Program Services • Provided School Program website interest forms to School Program contractors • Provided information to Director Schneider regarding school program progress in the City of San Clemente • Provided information to Moulton Niguel Water District regarding MWDOC Choice Elementary School Programs
<p>Media Relations</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Prepared and distributed content for social media • Met with Strategic Digital Communications contractor Hashtag Pinpoint to discuss social media and campaign strategies • Created Content for OC Register Special Insert: California Water Orange County
<p>Special Projects</p>	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in the Orange County Water Summit Committee Meetings with Orange County Water District and MWDOC Directors Yoo Schneider, Thomas, and Seckel

<p>Special Projects - continued</p>	<ul style="list-style-type: none"> • Selected and notified winners for the 2021 Water Awareness Poster Contest • Hosted February 24th Virtual Water Policy Forum featuring keynote speakers Nancy Vogel and Susan Tatayon • Developed Garden Smart resources for MWDOC and UC Master Gardeners partnership • Completed several website updates • Completed MWDOC workplace trust and DocuSign training • Attended Baywork and California Water Environmental Association’s (CWEA) Women in Water: Addressing Barriers to Joining the CA Water Profession webinar • Participated in WEROC exercise/training • Assembled a Dropbox folder allowing MWDOC board access to promotional, outreach, and branding materials across 18 Public Affairs categories • Organized and participated in the creation of Speakers Bureau presentation to Newport Balboa Rotary • Participated in Communications Plan Ad Hoc Committee <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Staffed the ISDOC Executive Committee meeting • Coordinated with Metropolitan staff to speak at the May WACO meeting • Staffed the WACO meeting featuring Ducks Unlimited • Prepared a support letter for Director McVicker for ISDOC 2nd VP • Staffed the WACO Planning meeting • Coordinated with SDCWA GM Sandy Kerl’s office to speak at the May WACO meeting • Coordinated with Metropolitan staff who had been booked to speak at the May WACO meeting to be on stand-by for a possible future date • Fielded numerous questions and emails regarding the ISDOC 2nd VP vacancy • Drafted and distributed the ISDOC Quarterly Luncheon meeting scheduled for April 29
<p>Legislative Affairs</p>	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in the ACWA COVID Relief and LIRA working group meeting (multiple meetings) • Participated in the Metropolitan Member Agency Legislative Coordinators meetings (multiple meetings) • Met with Capitol staff for Assembly Member Janet Nguyen • Attended the CSDA Legislative Committee meeting on March 5 and March 26 • Attended the Southern California Water Coalition Legislative Task Force meeting • Participated in the AMWA Legislative Committee meeting • Distributed a request to join Metropolitan’s coalition letter on AB 442 (Mayes) • Attended CMUA’s utility debt relief meeting • Participated in the ACWA Region 10 State Legislative Committee pre-meeting caucus

<p>Legislative Affairs – continued</p>	<ul style="list-style-type: none"> • Met with Assembly Water, Parks, and Wildlife Committee staff regarding MWDOC’s position on pending legislation • Met with Assembly Member Steve Bennett’s staff, who assist him in his position on the Water, Parks, and Wildlife Committee • Attended the CMUA Regulatory Committee meeting and the Legislative Committee meeting • Attended the ACWA Legislative Symposium featuring panels on Water Affordability Legislation (SB 222 and SB 223) and the Climate Resiliency Bonds (AB 1150 and SB 45), and closed out with a conversation with Assembly Member Luz Rivas • Participated in the ACWA State Legislative Committee meeting • Participated in the Cal-Desal Legislative Committee meeting • Attended the ACWA DC Congressional Staff Panel on various water issues • Participated in the ACWA Bond Measures Working Group meeting
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Executive Committee Meeting

Tuesday, April 6, 2021

7:30 a.m.

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

Join Zoom Meeting

<https://zoom.us/j/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 March 2, 2021 meeting.
- III. **Public Comments on items not on the agenda- 7:40 am**
- IV. **New Business – 7:45 am**
 - Status of 2nd VP – Heather Baez
 - Learn more about the candidates (3-minute limit each)
 - Appointment of 2nd VP (Membership) – Action Item
- V. **Old Business – 8:20 am**
 - Update on website from Chris Palmer at CSDA regarding Streamline’s services
 - Update on reaching out to local elected officials on the Federal and State levels making them aware of ISDOC & CSDA
- VI. **Treasurer’s Report – 8:25 am – Director Green**
 - Report of accounts
- VII. **CSDA Report – 8:30 am – Director Schafer/Chris Palmer**
 - Receive, discuss and file the CSDA Report
- VIII. **LAFCO Report – 8:35 am – Director Fisler**
 - Receive, discuss and file the LAFCO report

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

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

www.mwdoc.com/isdoc

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

Hon. Brooke Jones
Yorba Linda Water District

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

IX. ACWA Report – 8:40 am – Director Jacobs

- Receive, discuss and file the ACWA report

X. OCCOG Report – 8:45 am – Director Scheafer

- Receive, discuss and file OCCOG report

XI. Orange County Operational Area Report - 8:50 am – Vicki Osborn

- Receive, discuss and file OCOA report

XII. Subcommittee Reports – 8:55 am

- Programs – Director Schafer/Mark Monin
- Membership - Director Dick
- Legislative – Director Jones

XIII. Adjourn – 9:00 am



ISDOC Executive Committee (Virtual Meeting via Zoom)

March 2, 2021

Minutes

I. Welcome

President Mark Monin called the meeting to order at 7:31 a.m.

Mark Monin, President (ETWD)
Arlene Schafer, 1st Vice President (CMSD)
Larry Dick, 2nd Vice President (MWDOC)
Brooke Jones, 3rd Vice President (YLWD)
Greg Mills, Secretary (SWD)
Bill Green, Treasurer (SCWD)
Saundra Jacobs, Immediate Past President (SMWD)

Others Present:

Vicki Osborn, Director of Emergency Management (MWDOC)
Mike Scheafer, Board Member (CMSD)
Stacy Taylor, Water Policy Manager (Mesa WD)
Heather Baez, Government Affairs Manager (MWDOC)
Christina Hernandez, Database Coordinator (MWDOC)
Laura Heflin, Administrative Assistant (Serrano WD)
Brooke Jones, Board Member (YLWD)
Chris Palmer, Senior Public Affairs Field Coordinator (CSDA)
Hilaire Shioura, Placentia Library Trustee (PLD)
Bob McVicker, Director (YLWD)
Kay Havens, Director (ETWD)
Jim Fidler, Director (Mesa WD)
Sherry Wanninger (MNWD)
Steve Faessel, Director (City of Anaheim)
Alison Martin (YLWD)
Alicia Dunkin (OCWD)
Paul Mesmer (Sunset Sanitation District)

II. Minutes

The minutes of the February 2, 2021 meeting were reviewed and unanimously approved via roll call vote with a motion made by Director Schafer and seconded by Director Green.

III. Public Comments

- Paul Mesmer of Sunset Sanitation introduced himself and remarked that he will be attending meetings in the future.

IV. New Business

- Heather Baez reported that the letter has gone out regarding for the 2nd Vice President election process and that staff is still waiting to receive letters of interest. Director Mills suggested the possibility of sending a reminder letter out but it was agreed that this wasn't necessary.

V. Old Business

- Chris Palmer provided the committee with an update on Streamline's services. Maria Lara is the contact at the company. They will create and host the website at no cost and will maintain it for a nominal fee. Hilaire Shioura spoke about WordPress and its pros and cons and made the suggestion that local vendors in Orange County be researched. President Monin suggested a brief Zoom meeting to reach consensus and discuss further. Director Jacobs expressed interest in joining the meeting to discuss the direction. A date in mid-March will be put together for the technology group.
- President Monin provide an update on reaching out to local elected officials on the Federal and State levels in order to boost ISDOC and CSDA presence. It was agreed that Stacy Taylor will assist with drafting the letter and working with staff. The letter will not be finalized until the 2nd Vice President is elected.

VI. Treasurer's Report – Director Green

- Director Green reported that there is currently \$12,312.54 in the Union Bank account.

VII. CSDA Report – Director Schafer

- Director Schafer reported that the Executive Board meeting was cancelled for this week. She recently attended the Emergency Preparedness Summit featuring Stacy Taylor and Vicki Osborn on panels discussing emergency response protocol and digital communication in an emergency plan. Both did an excellent job. May 18 and 19 are

legislative days. March 18th is Ethics and Brown Act training which is free to members and \$95 for non-members. May 3rd is Annual Spring Education. The new CSDA magazine is out.

- Chris Palmer thanked Stacy and Vicki for their participation on the panel. Federal Advocacy efforts continue for Covid relief for special districts. CSDA is still looking for letters of support from special districts. President Monin thanked Heather, Christina, and Laura for their efforts.

VIII. LAFCO Report – Director Fisler

- Director Fisler announced that the next LAFCO meeting is scheduled for March 10th at 8:15 a.m. and you can visit www.oclafco.org for more information. Agenda highlights include the proposed budget and fee schedule, and a legislative report will be given.

IX. ACWA Report – Director Jacobs

- Director Jacobs reported that ACWA Region 10 met on February 22. Agenda highlights included a schedule of upcoming events and formation of a nominating committee to consider nominees for the eligible region chair, vice chair and board member candidates for the 2022-2023 term. Doug Wilson, Padre Dam MWD, Elsa Saxod, San Diego County Water Authority, Greg Mills, Serrano WD and Joone Lopez, Moulton Niguel WD have agreed to serve on the committee. May 12 and May 13th are virtual conference days. Gary Arant, General Manager at Valley Center Water District, was appointed to fill the open seat on the Board. Director Gibson of SMWD is interested in running for the Region I Chair position. March 17 is the congressional panel; March 24 is the regulatory landscape and March 31 is the first 100-day outlook on the Biden administration.

X. OCCOG Report – Director Scheafer

- Director Scheafer reported that the OCCOG meeting was held on February 25th appointing three officials to serve on the SCAG policy committees. A webinar on housing for a resilient future will be held on March 24th between 11 and noon. Please contact Director Scheafer for more information.

XI. Orange County Operational Area Report – Vicki Osborn

- Vicki reported that a great decrease has been observed in the Covid numbers. The State has contracted with Blue Shield to transition the vaccine to providers. On February 10th the Operational Area Executive Board met to discuss Covid, recent fires and proclamations.
- President Monin announced that two more slots are available on OAEB and that he highly recommends this group that meets quarterly. Please contact mmonin@etwd if you would like more information. Vicki provided more information on the Board's function and role.

XII. Subcommittee Reports

- Programs – President Monin reported that the Assistant Airport Director will be the guest speaker at the next quarterly luncheon with the YLWD as spotlighted district. The Placentia Library will be at the July 29th third quarterly meeting.
- Membership - Director Dick reported that Senator Dick Ackerman has agreed to join as an associate member on ISDOC. President Monin noted that associate members may speak at the quarterly luncheons when advance notice is provided.
- Legislative – Director Jones reported on various bills including SB-222, SB-223, HR-535, AB-7162, AB-59 and SB-45. AB-59 is opposed by CSDA and SB-45 is being closely observed. Director Jones will send out more information via Laura through email. Director Schafer complimented Director Jones on a great report.
- Director Dick speculated if anybody would be interested in providing a report on CASA. Director Jones remarked that he would be glad to be an interface.

XIII. Adjourn: President Monin thanked the various attendees for their assistance and participation. The meeting adjourned at 8:27 a.m.

Signed: _____
ISDOC Secretary

Date: _____



AGENDA

Friday, April 2, 2021
7:30 a.m. - 9:00 a.m.

Register:

https://ocwd.zoom.us/meeting/register/tJMtcOyhqzwtE9Pje_1AKgfMsOvN4MYsN1kQ

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: Idaho Cloud Seeding Case Studies and Santa Ana Watershed Cloud Seeding Feasibility Study

- Derek Blestrud, Idaho Power Company
- Mark Norton, Santa Ana Watershed Project Authority

5. Reports

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

6. Adjourn

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Next WACO Meeting

Friday, May 7, 7:30 a.m. via Zoom

Next WACO Planning Committee Meeting

Tuesday, April 20, 7:30 a.m. via Zoom

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



/orangecountywater



@waco_h2o



/orangecountywater

DATES TO REMEMBER

APRIL/MAY 2021

1. Apr 22 – 10:30 a.m. – MWDOC Managers Meeting
2. Apr 23 – DISTRICT OFFICE CLOSED
3. Apr 26 – 1:00 p.m. – AWIA #4
4. Apr 29 – 11:30 a.m. – ISDOC Quarterly Meeting
5. Apr 30 – 12 noon – Pres/VP/GM Meeting
6. May 3 – 8:30 a.m. – MWDOC Planning/Operations
7. May 3 – 1:30 p.m. – SOCWMA Management Committee
8. May 4 – 7:30 a.m. – ISDOC Executive Committee
9. May 4 – 10:00 a.m. – RRC Meeting
10. May 5 – 8:30 a.m. – MWDOC/MET Directors Workshop
11. May 6 – 8:30 a.m. – SOCWA Board Meeting
12. May 7 – 7:30 a.m. – WACO Meeting
13. May 7 – DISTRICT OFFICE CLOSED
14. May 11 – 9:30 a.m. – OCWA Safetyfest
15. May 12 – 8:15 a.m. – LAFCO
16. May 12 – 8:30 a.m. – MWDOC Admin/Finance Meeting
17. May 12 – 9:00 a.m. – Module 3 (SDLF)
18. May 12-13 – ACWA Spring Conference
19. May 13 – 8:30 a.m. – SOCWA Engineering Committee
20. May 13 – 9:00 a.m. – Module 3 (SDLF)
21. May 13 – 11:30 a.m. – CAG Meeting
22. May 14 – 12 noon – Pres/VP/GM Meeting
23. May 17 – 9:00 a.m. – Agenda Review
24. May 18-19 – Special Districts Legislative Days
25. May 18 – 7:30 a.m. – WACO Planning Committee

26. May 18 – 10:30 a.m. – SOCWA Finance Meeting
27. May 19 – 8:30 a.m. – MWDOC Board Meeting
28. May 20 – 10:30 a.m. – MWDOC Managers Meeting
29. May 21 – DISTRICT OFFICE CLOSED
30. May 24 – 7:30 a.m. – Regular Engineering/Finance Committee Meetings
31. May 26 – 9:00 a.m. – Module 4 (SDLF)
32. May 26 – 10:00 a.m. – City of Lake Forest Utility Coordination Meeting
33. May 27 – 7:30 a.m. – Regular Board Meeting
34. May 27 – 9:00 a.m. – Module 4 (SDLF)
35. May 27 – 12 noon – South County Agencies Meeting
36. May 28 – 12 noon – Pres/VP/GM Meeting
37. May 31 – MEMORIAL DAY – 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.