

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**

February 24, 2022

7:30 a.m.

Members of the public who wish to comment on any item within the jurisdiction of the District or on any item on the agenda, attend the meeting in person at the District's office or may observe and address the Meeting by joining at this link:

<https://us02web.zoom.us/j/85377324270>. (Meeting ID: 853 7732 4270).

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 Freshley

PLEDGE OF ALLEGIANCE – Vice President Havens

ORAL COMMUNICATIONS/PUBLIC COMMENTS

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

1. **CONSENT CALENDAR**

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

- a. Consider approving the minutes of the January 27, 2022 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. **SOCWA Effluent Transmission Main Capacity Coordination** (Reference Material Included)

Staff will lead a discussion regarding coordination of capacity ownership of ETWD and Irvine Ranch Water District in the SOCWA Effluent Transmission Main.

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

GENERAL MANAGER ACTION ITEMS

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

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

Recommended Action: Staff recommends that the Board of Directors grant the General Manager discretion to extend the use of Emergency Administrative Leave, as necessary up to 160 hours per employee per month, until the May 26, 2022 meeting of the Board of Directors.

GENERAL MANAGER INFORMATION ITEMS

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

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

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

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

7. **Public Education and Outreach & Water Use Efficiency Reports**
(Reference Material Included)

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

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

- a. SOCWA Board Meeting – February 3, 2022
- b. SOCWA Engineering Committee Meeting – February 10, 2022
- c. SOCWA Finance Committee Meeting – February 15, 2022

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

- a. MWDOC/MET Directors Workshop – February 2, 2022
- b. MWDOC Admin/Finance Committee Meeting – February 9, 2022
- c. MWDOC Planning & Operations Meeting – February 14, 2022
- d. MWDOC Board Meeting – February 16, 2022
- e. MWDOC Managers Meeting – February 17, 2022

10. **South Orange County Watershed Management Area (SOCWMA) Reports**
(Reference Material Included)

- a. Report on the February 7, 2022 Management Committee meeting

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

- a. Report on the February 9, 2022 meeting

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

- a. Report on the February 1, 2022 ISDOC Executive Committee meeting

13. WACO Meetings (Reference Material Included)

- a. Report on the February 4, 2022 WACO meeting
- b. Report on the February 15, 2022 WACO Planning Committee meeting

COMMITTEE AND GENERAL INFORMATION

14. Dates to Remember for February/March (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. Pursuant to Government Code Section 54956.9 (d) (1) to consult with legal counsel and staff on a matter of pending litigation. *Kessner et al. v. City of Santa Clara, et al. (Santa Clara County Superior Court - Case No. 20 CV 364054).*
2. Pursuant to Government Code Section 54956.9 (d) (2) to consult with legal counsel and staff – Anticipated Litigation (two matters).

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
January 27, 2022

President Freshley called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 a.m. on January 27, 2022.

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

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

Also present were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, SCOTT HOPKINS, Operations Superintendent, JASON HAYDEN, CFO, HANNAH FORD, Engineering Manager, CHAU VUONG, Laboratory Supervisor, GARTH BOTHA, Pump Stations Crew Chief, CESAR CASSANI, Wastewater Operator II, GILBERT J. GRANITO, General Counsel, and MICHAEL COLANTUONO, Legal Counsel (joined the meeting at 8:20 a.m.).

POLLY WELSCH, Recording Secretary was absent.

Oral Communications/Public Comments

There were no comments.

Items Received Too Late to be Agendized

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

Presentation of Awards, Recognitions, Certifications, and Introductions

Mr. Cafferty presented service awards to Chau Vuong, Laboratory Supervisor for 20 years of service with the District, and Garth Botha Pump Stations Crew Chief, for 10 years of service with the District.

Mr. Cafferty presented a recognition for Cesar Cassani, Wastewater Operator II, for obtaining his Grade 3 Wastewater Operator certification from the State Water Resources Control Board.

At approximately 7:50 a.m. Mr. Vuong, Mr. Botha, and Mr. Cassani left the meeting.

Consent Calendar

Mr. Cafferty stated that item #c of the Consent calendar is a first amendment to the Agreement for Acquisition of Real Property for a lot line adjustment at the Oso Lift Station between the District and the City of Laguna Woods.

President Freshley asked for a Motion.

Motion: Director Monin made a Motion, seconded by Vice President Havens 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 Vergara stated that he attended the Districts regular meetings, the Special Board meeting, the MWDOC/MET Directors workshop, the WACO Planning Committee meeting, the MWDOC Admin/Finance Committee meeting, the South Orange County Agencies meeting, the Lake Forest 30th anniversary meeting, and the South Orange County Economic Coalition meeting.

Director Monin stated that he will be attending the ISDOC quarterly luncheon today. He also attended OCCOG, the ISDOC Executive Committee meeting, the MWDOC/MET Directors workshop, the WACO meeting, the MWDOC Admin/Finance Committee meeting, the WACO Planning Committee meeting, the Laguna Woods City Council meeting, and the District's regular meetings and Special Board meeting.

Director Gaskins stated that he attended the District's regular meetings and Special Board meeting, the MWDOC/MET Directors workshop, the MWDOC Board meeting, the South Orange County Agencies meeting, the ISDOC Quarterly meeting, and he will be attending the South Orange County Economic Coalition and TV-6 this month.

Vice President Havens stated that she attended the District's regular meetings and Special Board meeting, the ISDOC Executive Committee meeting,

the MWDOC/MET Directors workshop, the WACO meeting, the Pres/VP/GM meetings, the MWDOC Admin/Finance Committee meeting, the Agenda Review meeting, the MWDOC Board meeting, the OCWA meeting, and she will be on the South Orange County Watershed Management meeting later today, and the South Orange County Economic Coalition meeting.

President Freshley stated that she attended the WACO meeting, the MWDOC Board meeting, the MWDOC/MET Directors workshop, the MWDOC Planning/Operations meeting, the District's regular meetings and Special Board meeting, the Pres/VP/GM meetings, the Agenda Review meeting, the Laguna Woods City Council meeting, the LAFCO meeting, the ACWA Engineering Committee meeting, and she will be attending the ISDOC meeting today.

General Manager Action Items

Resolution No. 22-1-4 Modifying Standing and External Organization Board and Staff Assignments for Calendar Year 2022

President Freshley stated that she reviewed the draft Committee Assignments with all of the Directors, and stated that there is one change to the draft list. She noted the assignments presented for approval moves the City of Lake Forest Chamber of Commerce events to the list of events that all Board Members are authorized to attend.

President Freshley asked for a Motion.

Motion: Director Gaskins made a Motion, seconded by Director Monin and unanimously carried across the Board to approve Resolution No. 22-4-1

modifying Standing and External Organization Board and Staff Assignments for calendar year 2022.

Roll Call Vote:

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

Resolution No. 22-1-5 Adopting a Tenth Amended Conflict of Interest Code

Mr. Cafferty stated that staff had a change in position as noted in Exhibit A to Resolution No. 22-1-5. He further noted that it is in the District's best interest to have the Code updated now.

President Freshley asked for a Motion.

Motion: Director Gaskins made a Motion, seconded by Vice President Havens and unanimously carried across the Board to approve Resolution No. 22-1-5 adopting a 10th amended Conflict of Interest Code.

Roll Call Vote:

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

General Manager Information Items

COVID-19 Update

Mr. Cafferty provided an update on the COVID-19 pandemic. He further stated that there was a period where we had approximately 25% of our staff

out of the office. He further noted that most cases were mild symptoms and most of the staff are back to work.

General Manager's Monthly Report

Mr. Cafferty stated that the District expects to receive a \$53,591 check from the State Water Resources Control Board arrearages program for delinquent water system balances. He further stated that in the arrearages program the State had a budget of \$981 million and they focused on water first and would then determine whether or not to proceed with the wastewater program.

Mr. Cafferty stated that the State Department of Water Resources approved proceeding with the wastewater portion of the arrearages program, so we will be submitting an application of this portion as well. He further stated that the arrearages rebates will be applied to our delinquent customer accounts.

Vice President Havens asked about the December unauthorized discharge due to construction debris in the lines, and asked if we file a police report during those instances. Mr. Hopkins replied that staff files a report with the County and the Regional Water Board keeps track of the incidents.

Mr. Cafferty stated that anytime there is an unauthorized discharge the District is required to report it as a sewer spill.

Mr. Cafferty stated that at the end of GM report there are a couple awards from ACWA/JPIA for the District's performance relative to loss rates on the Liability Program and Property Program. He further stated that there was

a significantly lower cost on the premiums due to these lower loss rates.

Mr. Cafferty stated that staff has continued to work with MET on the reconciliation of the Local Resources Program (LRP) rebate. He further stated that MET is open to making some modifications to the agreement. Mr. Cafferty concluded that we submitted a revised reconciliation to reduce the amount of the repayment to MET and hope to resolve this matter and eliminate it in the future.

Mr. Cafferty stated that next month's Finance package will include a budget schedule. He further stated that we may delay the implementation of the rate increase by a month or two to provide the District time to effectively accomplish all of the items we are working on and still allow us to bring a full budget to the Board for review and approval prior to June 30.

Director Vergara asked if the District had delayed a rate increase in the past by a month or two. Mr. Cafferty replied yes in 2020 due to the pandemic, and other times for particular reasons.

Attorney Report

Mr. Granito reported that the Board will go into Closed Session with regard to item #1 of today's Closed Session agenda, during which Michael Colantuono, Special Counsel will participate.

Closed Session

At approximately 8:20 a.m. the Board went into Closed Session. Also at this time, Ms. Cimorell, Mr. Hopkins, Mr. Hayden, Ms. Ford, and Ms. Moore left the open session.

Open Session/Report

At approximately 8:37 a.m. the Board returned to Regular Session. Also, at this time, Ms. Moore, Ms. Cimorell, Ms. Ford, and Mr. Hopkins returned to the open session and Mr. Colantuono left the meeting.

Mr. Granito reported that the Board did go into Closed Session with regard to item #1 of today's Closed Session agenda, the Kessner litigation, during which Special Counsel Michael Colantuono led a discussion on the status of the matter. No reportable action was taken.

Legislative Reports

There were no comments.

Public Education and Outreach & Water Use Efficiency Reports

President Freshley stated that she received a letter from Ms. Moore requesting that the District participate with the City in an Earthworks roundtable discussion on water.

Ms. Moore stated that Dr. Gunson will speak during Earth week on methane, and she would like people to understand how water issues are different per District but similar in other ways. She further stated that a panel on zoom could work well with neighboring agencies to discuss their backgrounds in water.

SOCWA Reports

Mr. Cafferty stated that SOCWA awarded a contract to Tetra Tech for CEQA related to the Effluent Transmission Main Trail Bridge Crossing project, where the pipeline that crosses the creek has become exposed.

MWDOC Reports

Vice President Havens stated that it will be good to get the MWDOC division boundaries issue resolved.

Mr. Cafferty stated that MWDOC is starting their budget process and their Reserves will be part of the discussion.

LAFCO

President Freshley stated that they re-elected Officers Doug Davert as Chair and Don Wagner as Vice Chair.

ISDOC

Director Monin discussed potential speakers at the next meeting.

WACO

Director Monin stated that he requested more local issues be discussed during the WACO meetings and asked if any Director has any local issues that they feel are important and need discussion to let him know.

Director Vergara feels that we should allow City Council members to discuss what current issues are going on in their areas.

Vice President Havens stated that we could discuss the Shakeout event with WEROC presenting how agencies would coordinate during an emergency.

COMMITTEE AND GENERAL INFORMATION

President Freshley stated that at the ACWA Engineering Committee meeting they discussed agencies electrifying their vehicles and if there was available funding for this. She further stated that there are funds available from the State but receipt of the money would require new vehicles bought after

2025 be electric. However, funding is not yet available.

Mr. Cafferty stated that SCAP and CASA are beginning to get into more detailed engagement regarding these issues of fleet electrification and what it means to agencies and have asked for \$5,000 for small agencies and \$25,000 for large agencies to commit to the program.

Dates to Remember for January/February

There were no comments.

COMMENTS REGARDING NON-AGENDA ITEMS

Director Monin asked for a moment of remembrance on behalf of Director Bill Nelson of ISDOC who recently passed away.

Adjournment

There being no further business to come before the Board, the meeting was adjourned at 10:40 a.m.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

KATHRYN FRESHLEY, 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



STAFF REPORT

To: Board of Directors **Meeting Date:** February 24, 2022

From: Dennis Cafferty, General Manager

Subject: SOCWA Effluent Transmission Main Capacity Coordination

BACKGROUND

The District discharges secondary effluent produced at the ETWD Water Recycling Plant to the Pacific Ocean through the SOCWA Effluent Transmission Main (ETM) and Aliso Creek Ocean Outfall (ACOO). The ETM consists of several pipeline “Reaches” with varying capacity ownership between ETWD, Irvine Ranch Water District (IRWD) and Moulton Niguel Water District (MNWD). SOCWA owns Reaches “B” through “E” with capacity shared by three agencies as noted in the following table. Reach “A” serves only Irvine Ranch Water District and is not a part of SOCWA.

Reach	IRWD	ETWD	MNWD
A	100%		
B	50%	50%	
C	50%	50%	
D	50%	50%	
E	23.29%	23.29%	53.42%

The ETM discharges to the ACOO for the final discharge to the Pacific Ocean. Capacity is shared in the ACOO as follows:

Emerald Bay Services District	0.78%
Laguna Beach	11.00%
South Coast Water District	12.31%
MNWD	43.85%
IRWD	15.76%
ETWD	16.30%

These capacities as well as a map showing the SOCWA service area and Effluent Transmission Main are further shown in the attached exhibits.

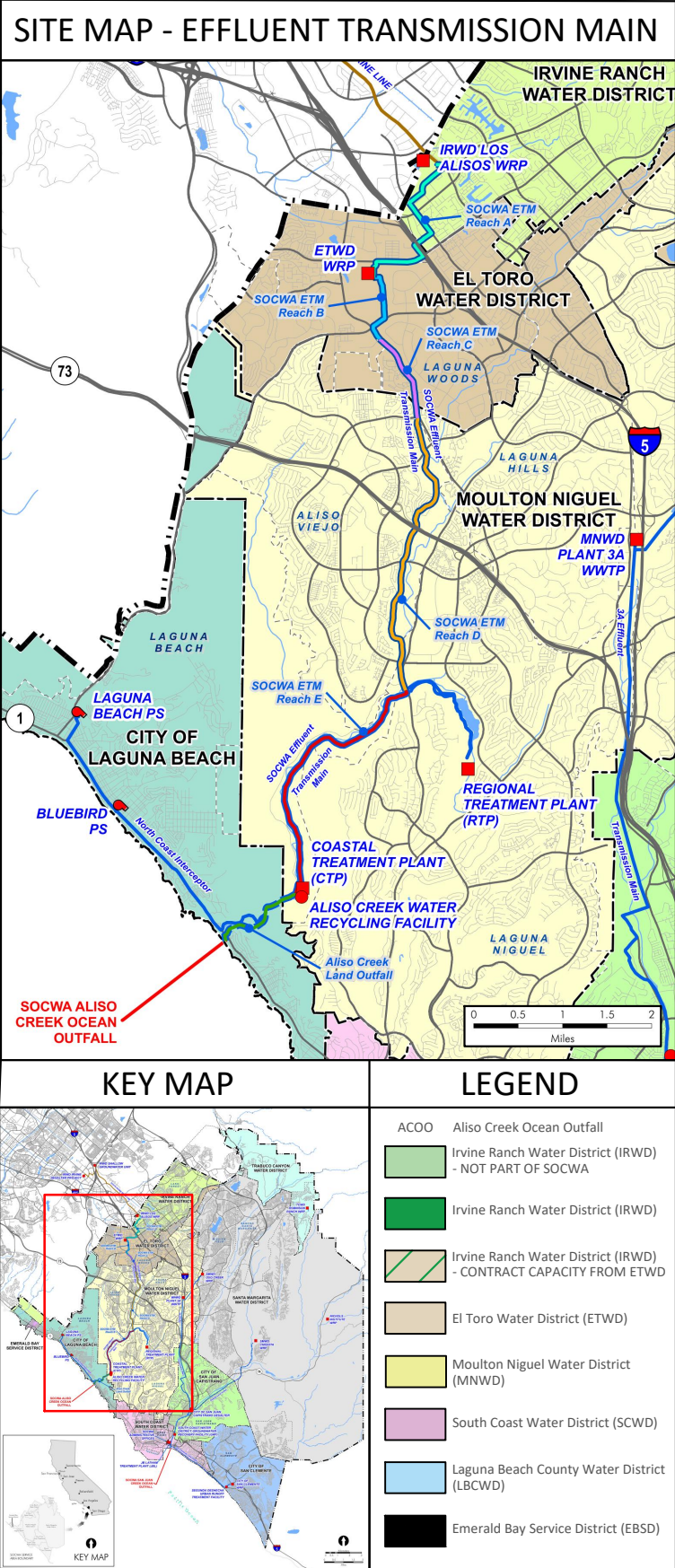
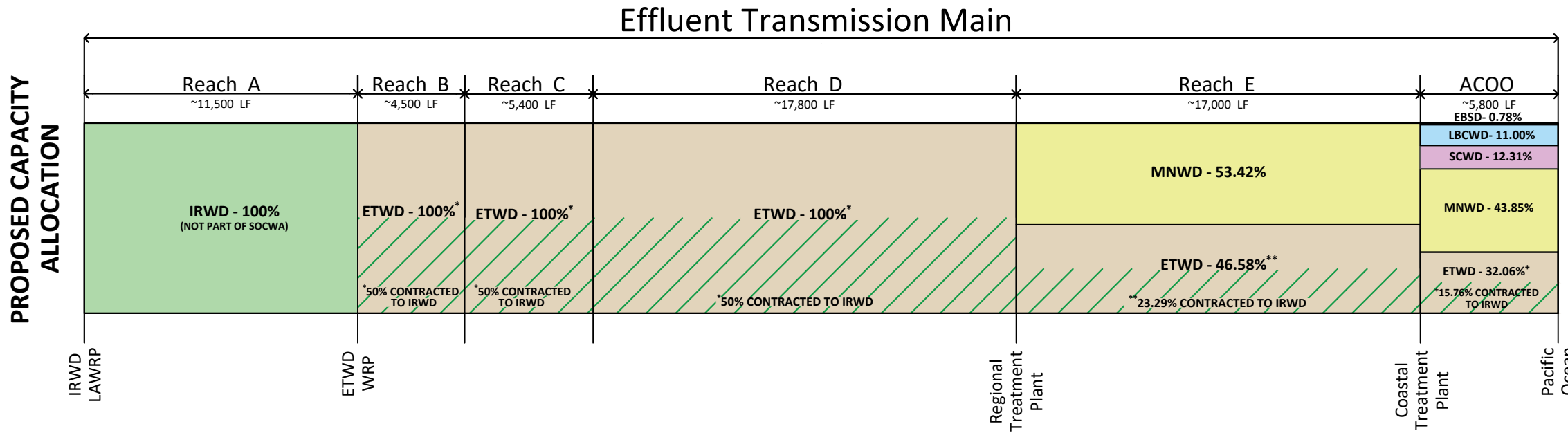
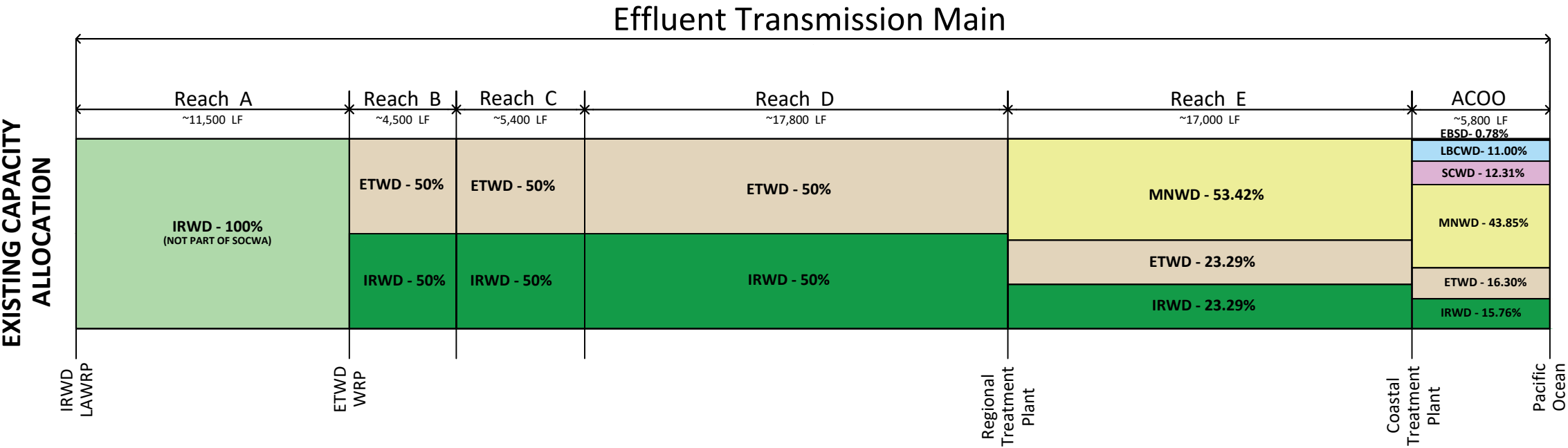
CAPACITY COORDINATION

IRWD has expressed a desire to withdraw from SOCWA. IRWD, however, will still require the use of its current capacity in the ETM and ACOO for the foreseeable future. IRWD has asked ETWD to consider taking over its capacity ownership in the ETM and ACOO and enter into an agreement between IRWD and ETWD to facilitate IRWD's continued use in said capacity. Under such an agreement IRWD would commit to the continued payment of its share of the O&M and Capital costs for both the ETM and the ACOO.

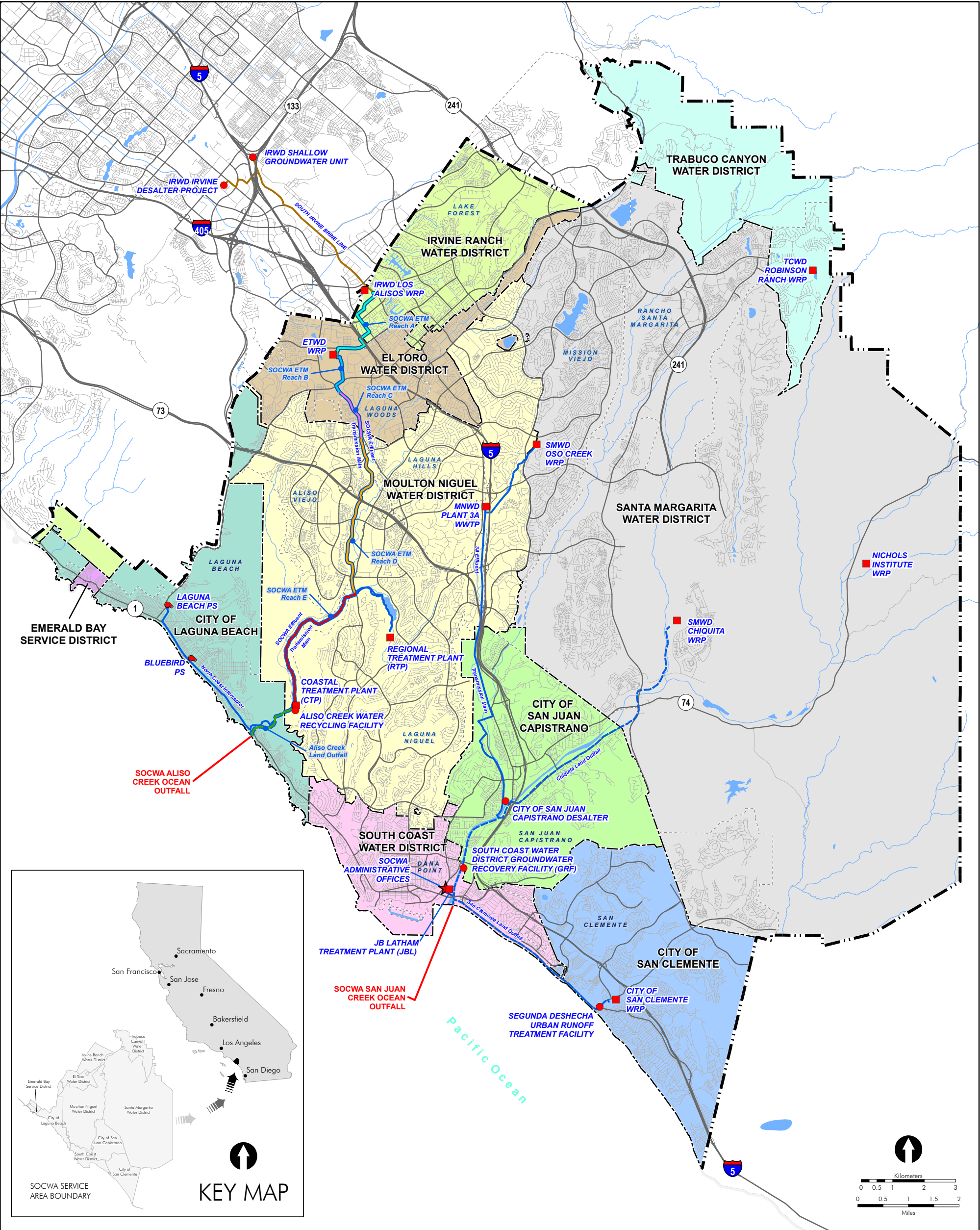
ETWD and IRWD staff will lead a discussion of proposed capacity agreement terms at the Board meeting.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA) EFFLUENT TRANSMISSION MAIN

EXISTING AND PROPOSED CAPACITY ALLOCATION



SOCWA SERVICE AREA MAP



Document Name: SOCWA Service Area Map 11X17.mxd
Date Saved: 3/6/2018

Member Agencies

- City of Laguna Beach
- City of San Clemente
- City of San Juan Capistrano
- El Toro Water District
- Emerald Bay Service District
- Irvine Ranch Water District
- Moulton Niguel Water District
- Santa Margarita Water District
- South Coast Water District
- Trabuco Canyon Water District

Facilities

- SOCWA Administrative Offices
- Desalter/Treatment Facility
- Pump Station
- Treatment Facility
- Transmission Line
- South Irvine Brine Line
- Land Outfall
- Ocean Outfall

SOCWA Effluent Transmission Line

- ETL - Reach A
- ETL - Reach B
- ETL - Reach C
- ETL - Reach D
- ETL - Reach E
- Aliso Creek Land Outfall

- SOCWA Boundary Line
- City Boundary
- Member Agency Boundary
- Waterbody
- Creek/Stream



IRWD's Withdrawal from SOCWA

Engineering and Operations Committee
February 15, 2022

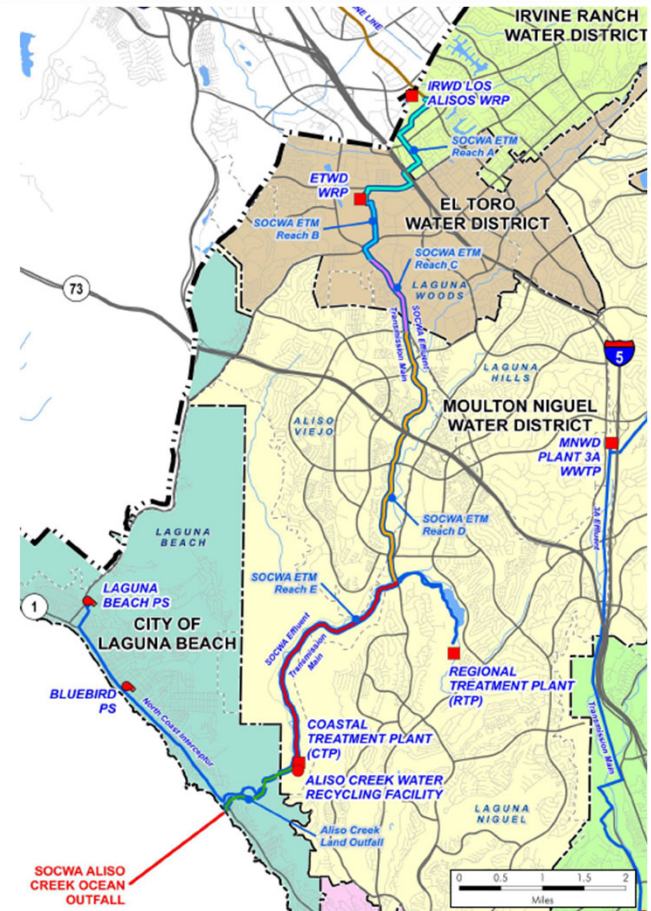


Agenda

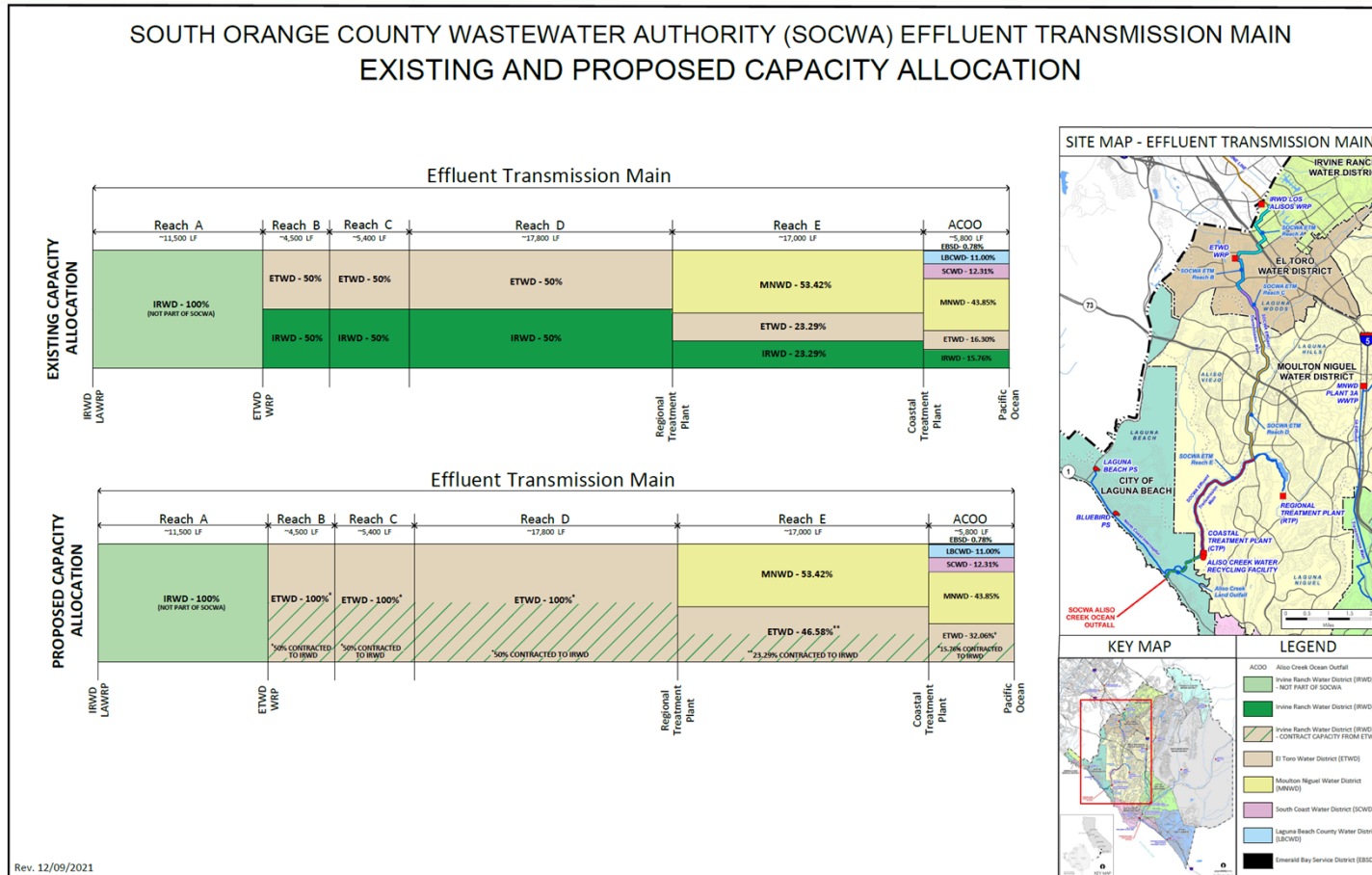
- SOCWA Background
- IRWD's Current and Proposed Capacity Allocations
- Draft Agreement Terms for SOCWA and ETWD
- Implementation Plan and Schedule

SOCWA Background

- SOCWA Joint Powers Authority with 10 member agencies
- Organized by Project Committees (PC)
- Effluent Transmission Pipeline – PC 21
- Aliso Creek Ocean Outfall – PC 24
- Aliso Creek Discharge Permit – PC 8



IRWD's Current and Proposed Capacity Allocation



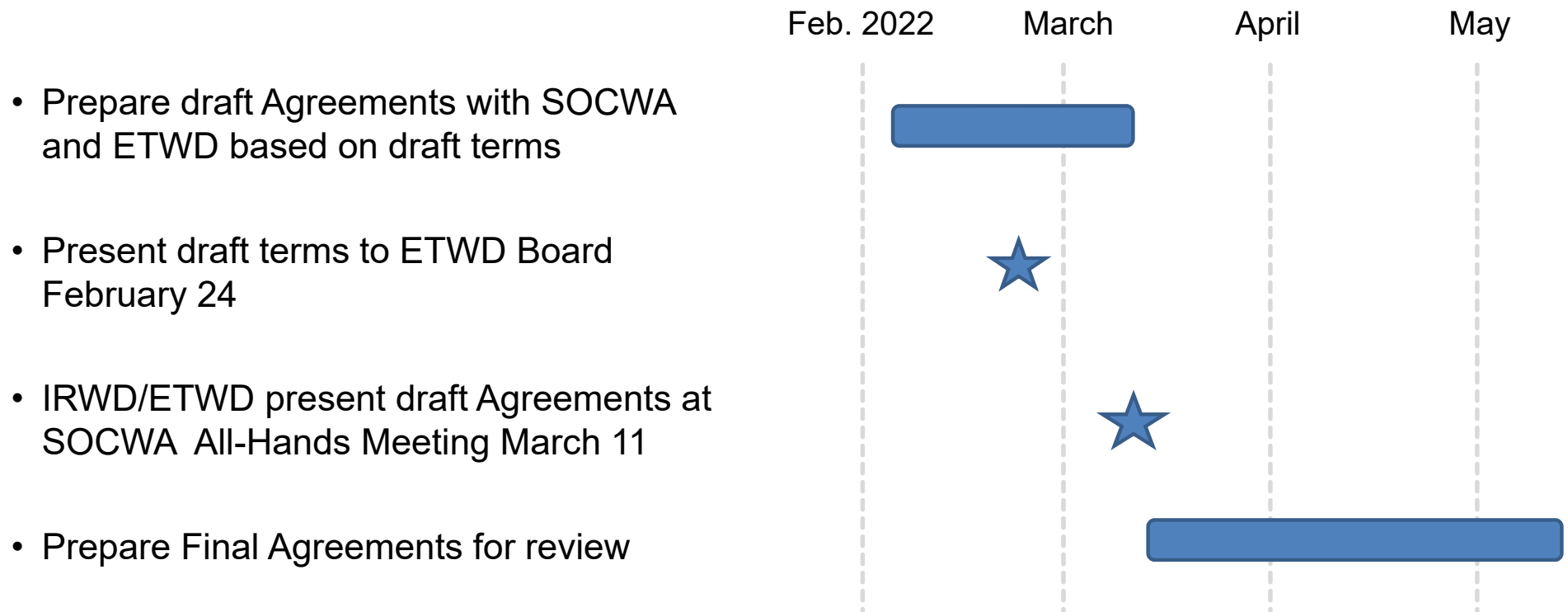
Proposed IRWD/SOCWA Agreement Terms

- IRWD will withdraw from the SOCWA JPA.
- IRWD will fund its portion of the unfunded public pension liability.

Proposed IRWD/ETWD Agreement Terms

- IRWD's capacity in Reaches B through E of the Effluent Transmission Main and the Aliso Creek Ocean Outfall will be managed by SOCWA through ETWD.
- IRWD will not have a representative on the SOCWA Board. ETWD will represent IRWD's capacity in SOCWA.
- The cost for IRWD's contract services with ETWD for operations, maintenance, and capital will be the same as the SOCWA Board approved costs for SOCWA JPA members of Project Committees 8, 21 and 24, based on its capacity allocation, plus an ETWD administrative fee.
- IRWD will continue to be governed by SOCWA's Pre-Treatment Rules/Regulations.
- IRWD will be responsible for permit violations and fines that are directly attributable to IRWD's discharge.
- The Agreement between IRWD and ETWD will continue until such time as IRWD and ETWD mutually agree to a termination.

Implementation Plan and Schedule





Questions/Discussion



DRAFT

**Proposed Terms for IRWD's Withdrawal from
South Orange County Wastewater Authority (SOCWA)
Between IRWD, SOCWA and El Toro Water District (ETWD)**

February 15, 2022

IRWD/SOCWA Agreement Terms

- 1. IRWD will withdraw from the SOCWA JPA.**
- 2. IRWD will fund its portion of the unfunded public pension liability.**

IRWD/ETWD Agreement Terms

- 1. IRWD's capacity in Reaches B through E of the Effluent Transmission Main and the Aliso Creek Ocean Outfall will be managed by SOCWA through ETWD.**
 - 2. IRWD will not have a representative on the SOCWA Board. ETWD will represent IRWD's capacity in SOCWA.**
 - 3. The cost for IRWD's contract services with ETWD for operations, maintenance, and capital will be the same as the SOCWA Board approved costs for SOCWA JPA members of Project Committees 8, 21 and 24, based on its capacity allocation, plus an ETWD administrative fee.**
 - 4. IRWD will continue to be governed by SOCWA's Pre-Treatment Rules/Regulations.**
 - 5. IRWD will be responsible for permit violations and fines that are directly attributable to IRWD's discharge.**
 - 6. IRWD's contract services will continue until such time as IRWD and ETWD mutually agree to a termination agreement.**
-



STAFF REPORT

To: Board of Directors

Meeting Date: February 24, 2022

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 as well as the District's response to the ever-changing challenges presented by the COVID-19 pandemic.

The Omicron Variant has had a significant impact in Orange County over the last couple months. Daily case rates, on occasion, exceeded 10,000 new cases per day. It appears, however, that the Omicron driven surge has peaked. The most recent seven day average daily case rate was reported to be 26.4 per 100,000 down from approximately 200 a month ago. As of February 16 hospitalizations in the County declined from 1,183 on January 20 to 415 with a decrease in the ICUs from 199 to 79. The disparity between the severity of the current status of the pandemic between vaccinated people and people not fully vaccinated remains apparent as 84% of hospitalized persons and 86% of the ICU admissions are unvaccinated.

Through February 10, 232,000 people in Orange County have received their first vaccine dose and another 2.26 million people have received both the first and second dose. In addition, 154,000 people have received the single dose Johnson and Johnson vaccine. Approximately 2.41 million people in Orange County are now fully vaccinated representing approximately 75% of Orange County Residents. In addition, if all the persons that have received the first dose complete the process, the percentage of vaccinated Orange County residents will rise to nearly 83%. As COVID boosters have become more available, a little over 1.16 million Orange County residents have received the booster dose.

As of January 20, approximately 27.6 million people in the State of California are fully vaccinated representing approximately 70% of the State population with over 81% receiving at least one dose.

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

Customer Billing – Staff has received a check for funding under the California Water and Wastewater Arrearage Payment Program for water in the amount of \$53,591. These funds will cover losses from residential and commercial customer arrearages. Staff is also preparing to participate in the wastewater arrearage program. Staff continues to closely monitor 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.

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

- **Illness** – During the most recent surge several District employees tested positive for COVID. Most experienced mild to moderate symptoms and all have returned to work. In total, since the beginning of the pandemic, 27 ETWD employees have contracted COVID.
- **ETWD Health and Safety Protocols** – The recent surge in cases and the often evolving Health Orders that have come with it have made it very challenging for employers and employees alike. District employees have been reminded to follow all of the District's requirements including masking, distancing and staying home when feeling ill. The State mandate for indoor masking regardless of vaccination status expired on February 15. ETWD employees that have provided proof of vaccination to Human Resources are no longer required to wear masks in the ETWD offices.
- **OSHA Requirements** – The District continues to follow the current OSHA requirements including those regarding unvaccinated staff wearing face coverings while indoors.
- **Vaccination** – The District's employees have been advised of their eligibility and encouraged to consider vaccination. In an effort to implement the modifications to the OSHA ETS and ETWD CPP the District's employees have been requested to provide documentation of vaccination to Human Resources. Employees have been advised that they will be considered unvaccinated until they provide said documentation. Approximately 68% of the District's staff have provided documentation of vaccination to Human Resources. Human Resources is also beginning to collect data on booster doses as the definition of fully vaccinated has migrated to include the booster for vaccinated people eligible for the booster. 12 ETWD employees (20%) have documented they have received the COVID vaccine booster.

Emergency Administrative Leave –

Staff is recommending the Board authorize the General Manager to provide an additional 160 hours of EAL per month per employee, as necessary for the next three months. Further consideration of the EAL requirement will be considered based on current conditions at the May 26, 2022 Board meeting.

Recommended Action: Staff recommends that the Board of Directors grant the General Manager discretion to extend the use of Emergency Administrative Leave, as necessary up to 160 hours per employee per month, until the May 26, 2022 meeting of the Board of Directors.

GENERAL MANAGER'S REPORT

February 2022

I. OFFICE OF THE GENERAL MANAGER

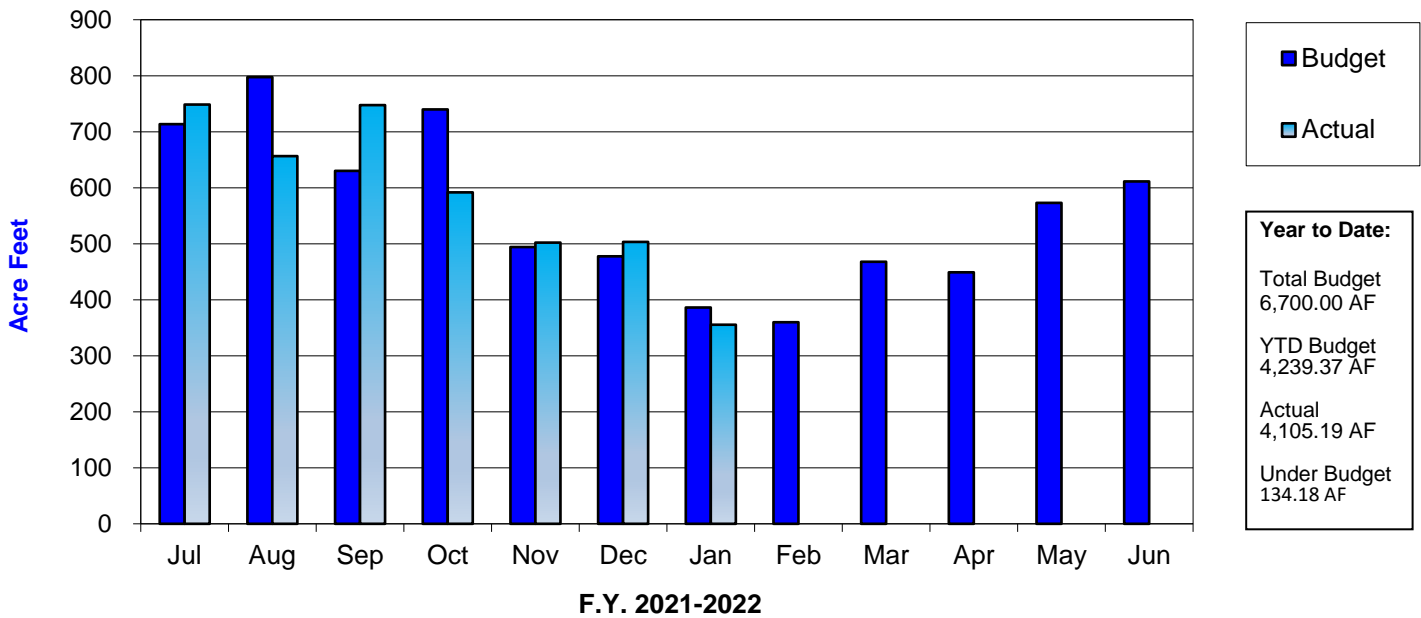
- Attended South Orange County Agencies Meeting
- Attended JTM PS Meeting with Black & Veatch
- Attended Multiple Meetings with JHA Advisors
- Attended Credit Rating Meeting with S&P Global Ratings
- Attended WACO Meeting
- Attended Bond Counsel Disclosure Training Meeting
- Attended Bond Issue Due Diligence Meeting
- Attended Meeting with Jeff Katz Architecture
- Attended SOCWMA Management Committee Meeting
- Attended RRC Meeting
- Attended SOCWA Finance Committee Meeting
- Attended SOCWA Task Force Meeting
- Attended MWDOC A&F Committee Meeting
- Attended MWDOC Managers Meeting
- Attended MWDOC Policy Forum Dinner
- Attended Meeting with IRWD Regarding SOCWA Effluent Transmission Main and Aliso Creek Ocean Outfall Capacity
- Attended IRWD Engineering Committee Meeting
- Attended R-6 Outage Contingency Planning Meeting with MWDOC
- Attended R-6 Outage Contingency Planning Meeting with IRWD
- Attended R-6 Outage Contingency Planning Meeting with MNWD
- Attended LRP Reconciliation Meeting with MWD
- Attended MWD Diemer Shutdown Meeting
- Attended MWD Finance Committee Meeting
- Attended Filter Plant Project Building Design Meeting
- Attended Meeting with AQMD Regarding Filter Plant Site Lease
- Attended ETWD President/Vice President/General Manager Meeting
- Attended ETWD Special Board Meeting
- Attended ETWD Engineering & Finance and Insurance Committee Meetings
- Attended ETWD Regular Board Meeting

II. DOMESTIC AND RECYCLED WATER SALES

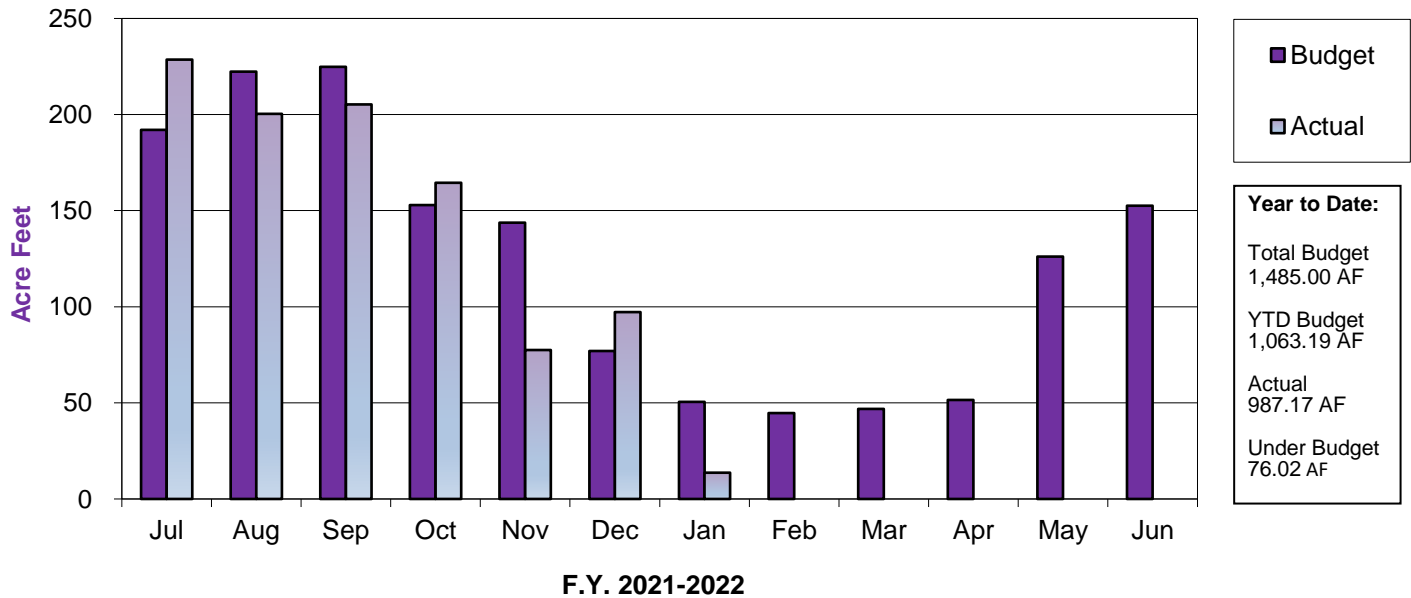
Actual domestic sales for the year-to-date as of January 31, 2022 are 4,105.19 acre-feet. This compares to year-to-date budgeted domestic sales of 4,239.37 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 134.18 acre-feet. Actual sales are 456.68 acre-feet lower than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of January 31, 2022 are 987.17 acre-feet. This compares to year-to-date budgeted recycled sales of 1,063.19 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 76.02 acre-feet. Actual sales are 14.90 acre-feet lower than last year-to-date actual sales for the same period.

POTABLE WATER SALES



RECYCLED WATER SALES



Customer Service Activity Report

Regular Service Calls	JAN 2022	JAN 2021	Telephone Calls	JAN 2022	JAN 2021
Serviceman Dispatched to Read, Connect/Disconnect Service	64	62	Change of Service: Connections and Disconnections	61	78
Field Investigations:			Billing / Payments & Graph Inquires	125	203
Check for leaks - calls to CS			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	1	44
Office:(irrigation,meter,street leaks)					
Customer Responsible	17	21	Variance / Adjustment Inquiries	14	23
District Responsible	6	5	Variance / Adjustment Requests Processed	15	8
None found/other	10	14	Ordinance Infraction / Water Waste Complaints	1	2
High Reads Checked - High Consumption (Billing Dept.)	48	41			
Cust Leaks: _7_ No Leaks: _10_					
Check Stopped Slowed Meters-Low Consumption (Billing)	16	23	Outside Utility Districts	31	59
Re-Check Read	4	9	Phone calls Transfer to other Departments within ETWD	31	53
Ordinance Infraction	1	2	Phone calls for the Board of Directors	0	0
Recycled Water	0	0	Recycled Water	0	0
Water Quality: Taste / Odor / Color	2	0	Water Quality Taste - Odor - Color	1	1
Phone response: _1_ Field response: _1_			Leaks / Breaks	10	22
Flooding (Hydrant) Meters issued	1	1	Flooding Meter calls (Hydrant)	2	2
Sewer - Odor/Stoppage/ Manhole Covers	2	4	Sewer Problems (odor / spills)	1	1
Meter Box: Lids / Covers Replaced	15	26			
Meter Box Clean, Digout	1	5	Backflow / Cross Connection (questions or yearly testing forms)	0	1
			ETWD facilities inquiries: Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	4	10
Raised Meter Box	1	1			
Trim Bushes / Meter Obstruction	26	19	Tyco (ADT) Calls (Alarms to ETWD facilities)	0	0
General Maintenance Response	7	1	ATT Calls (access to tower sites)	0	0
Fire Hydrants: Hit / Leaks / Caps	2	0	SCE Calls (access to tower sites)	1	1
Pressure(psi) Checks / Reads	2	0	Pager Calls specifically for Pump Stations - SCADA	0	1
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	7	6			
AMS angle-meter-stop replace/repair	3	0			
Bees Removed	0	0			
Backflow / Cross Connection	1	1	Payment Extensions	4	12
			Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)	227	188
Fogged Registers	27	23	Return Calls from customers left on our voice mail system. Ext 500	6	6
OMCOP: Old Meter Change - Out Program	2	0	Email Correspondence:	74	142
Other: (uncommon non-maintenance calls)	9	5	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	7	9
On-Call After Hrs. CS Response	9	7	Misc. (other: employment, deliveries, sales calls)	17	35
# 48/24 Hr. Door Hangers Hung	0	0	Payment Processing Fee Complaints	0	0
# Locked Off For Non-Pay (Disconnect)	0	0			
Removed Meter	0	1			
New Meter	0	1			
Unread Meters	7	4			
Total Field Investigations	290	282	Total Telephone Calls	633	901
Uncollectible Accounts:			Credit Card Payments	JAN 2022	JAN 2021
Budget YTD		\$ 11,667.00	REGULAR	1,085 \$169,929.98	947 \$106,089.58
Actual YTD		\$ 9,134.00			

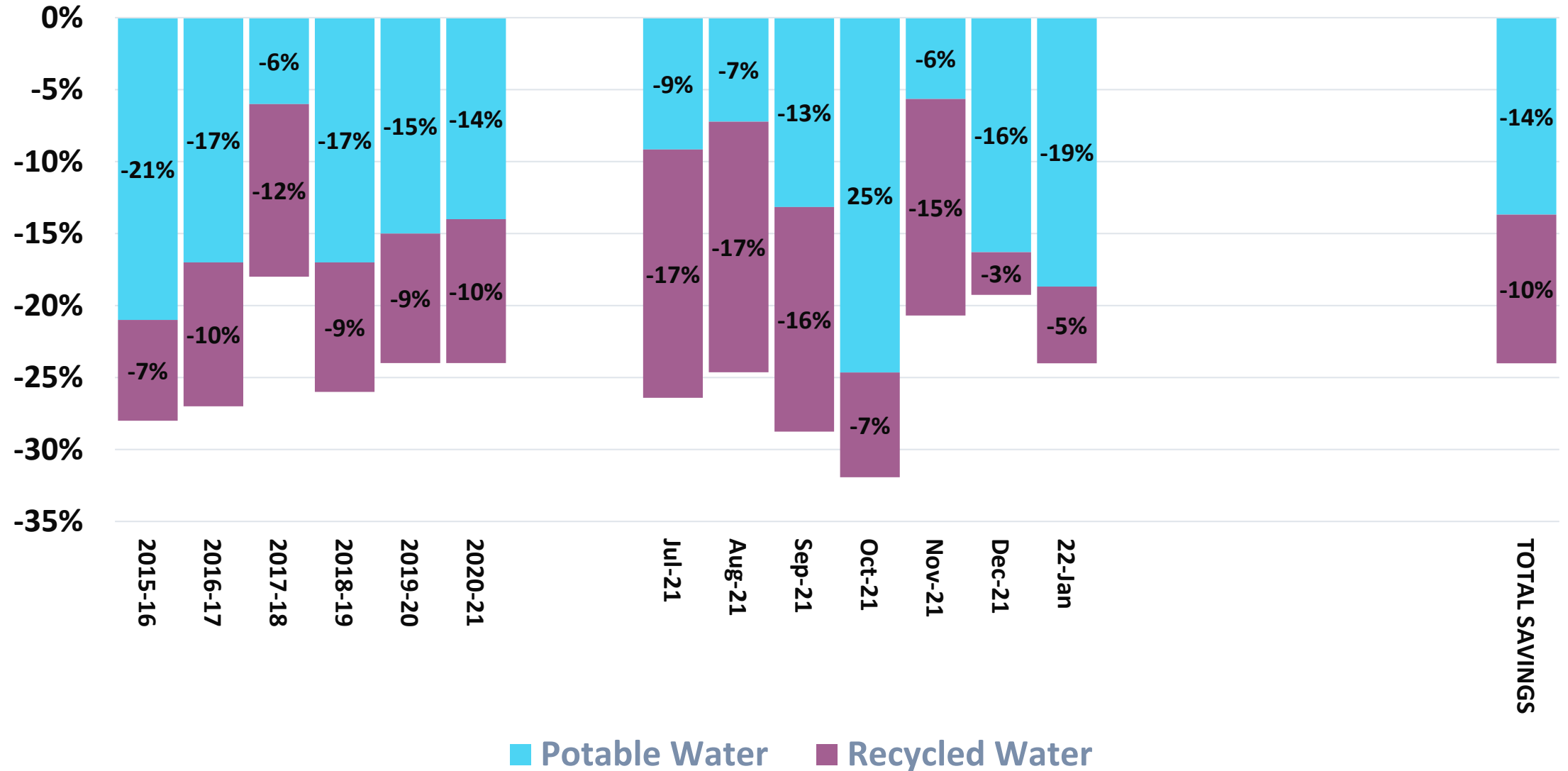
(WRP) Tertiary Treatment Plant

January-22

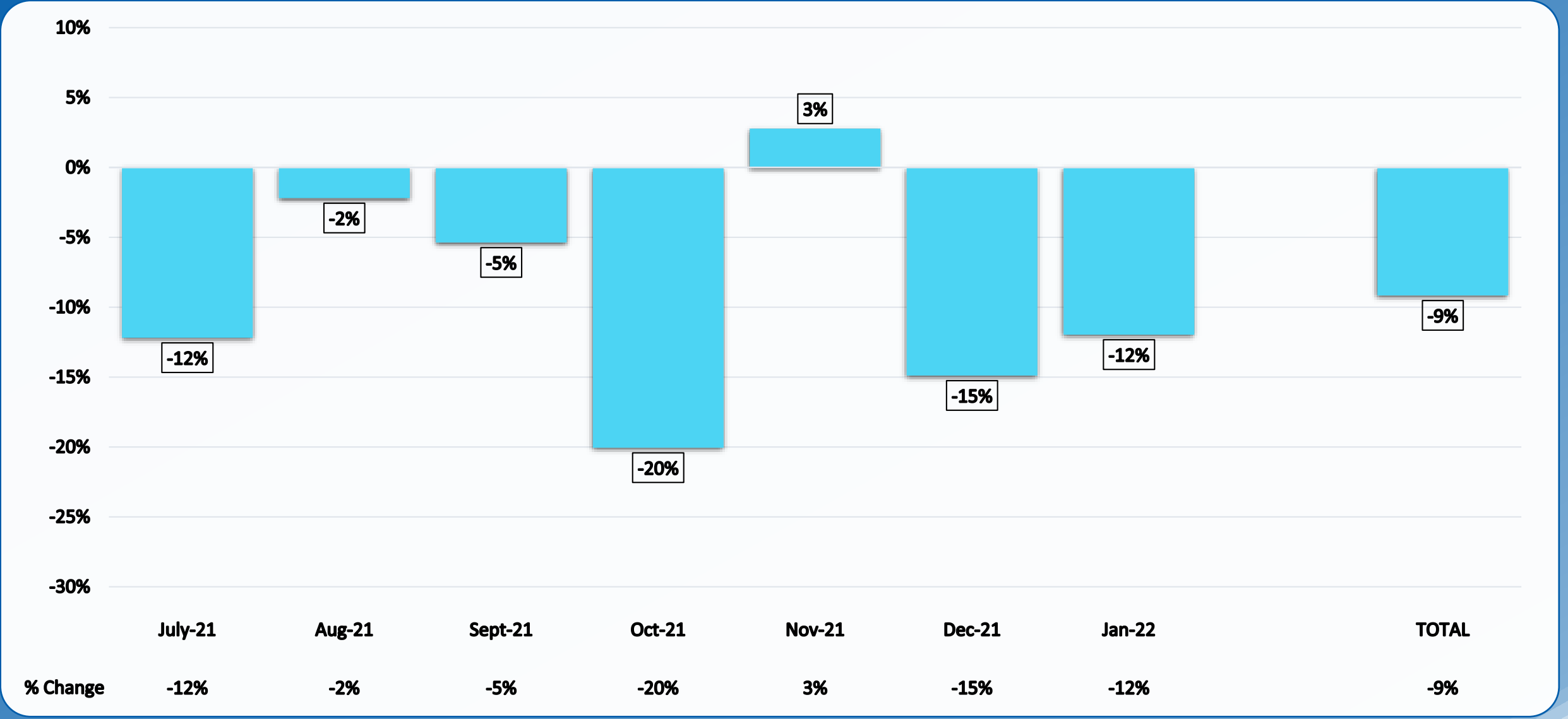
Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q, MGD	0.047	0.304	0.047	0.398
Total Q, MG	1.456	9.438	1.445	12.339
Total Acre Feet	4.468	28.964	4.435	37.867
* Note:1,344,459 gallons of Potable make-up water was used to supplement				
the Recycled water on the highest demand days of 1/18, 1/25, and on 1/26.				

ETWD WATER USAGE COMPARED TO 2013



ETWD WATER USAGE COMPARED 2021 TO 2020



CHLORINE RESIDUAL MONITORING

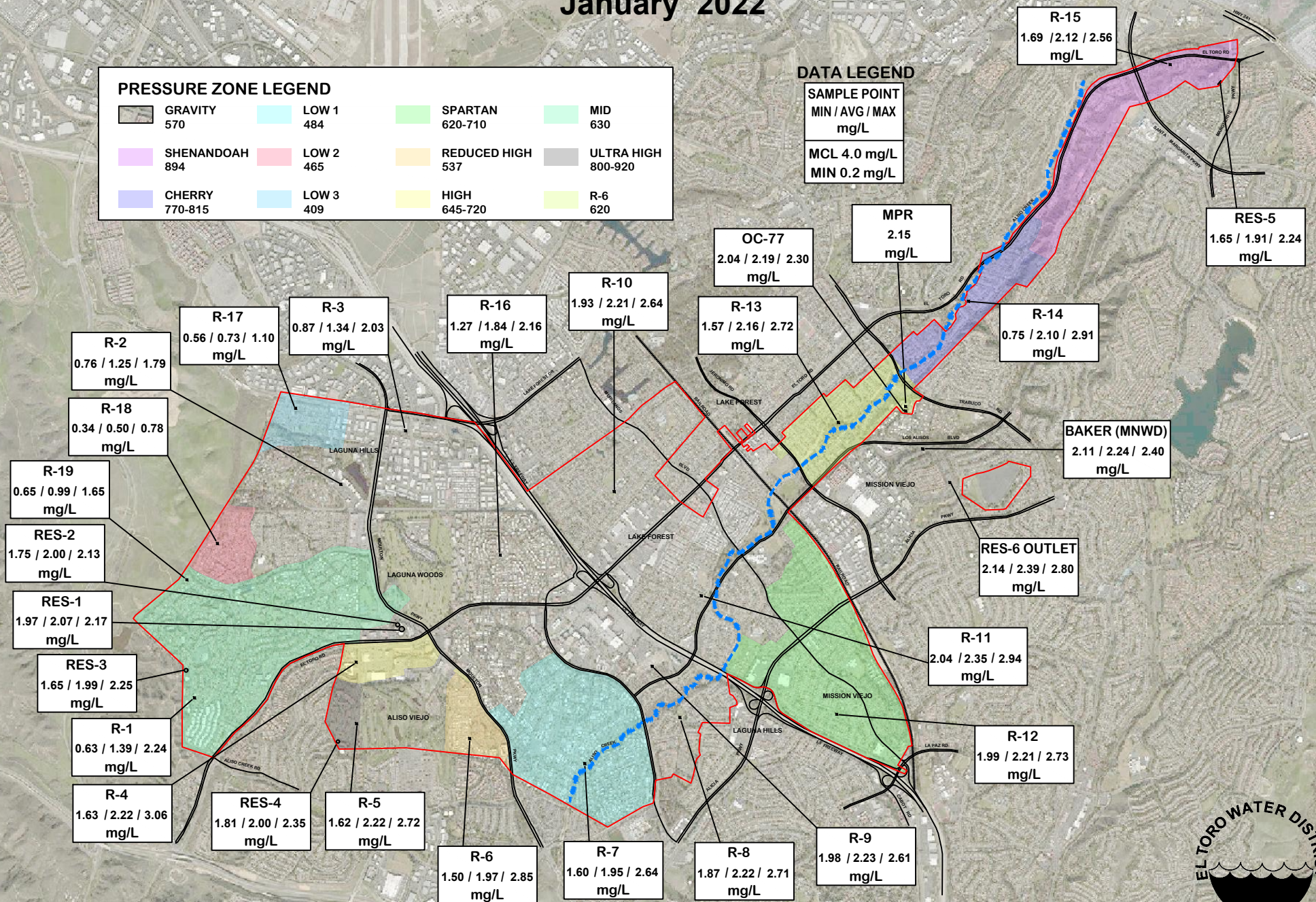
January 2022

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

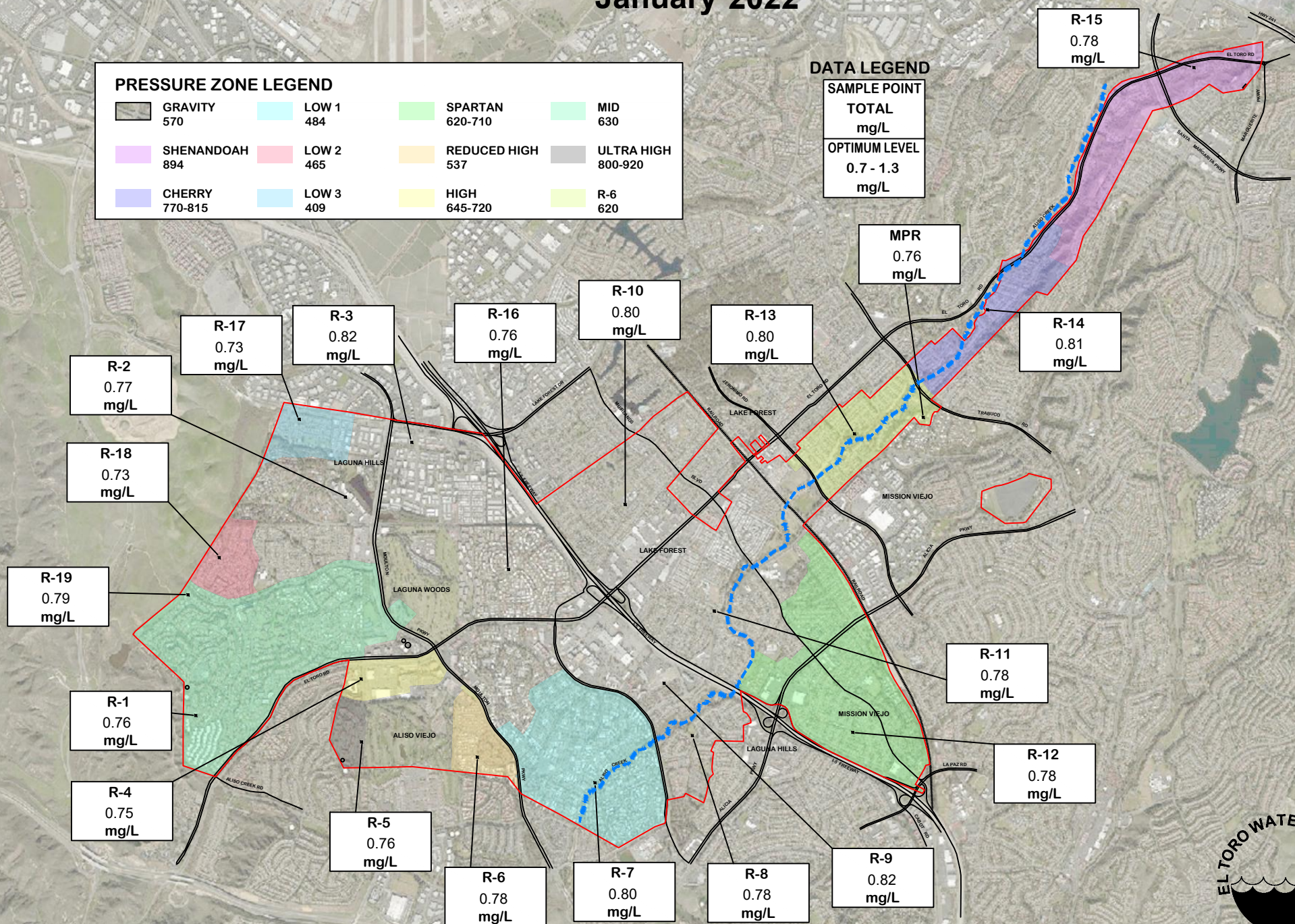
January 2022

PRESSURE ZONE LEGEND

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

DATA LEGEND

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



NITRITE MONITORING

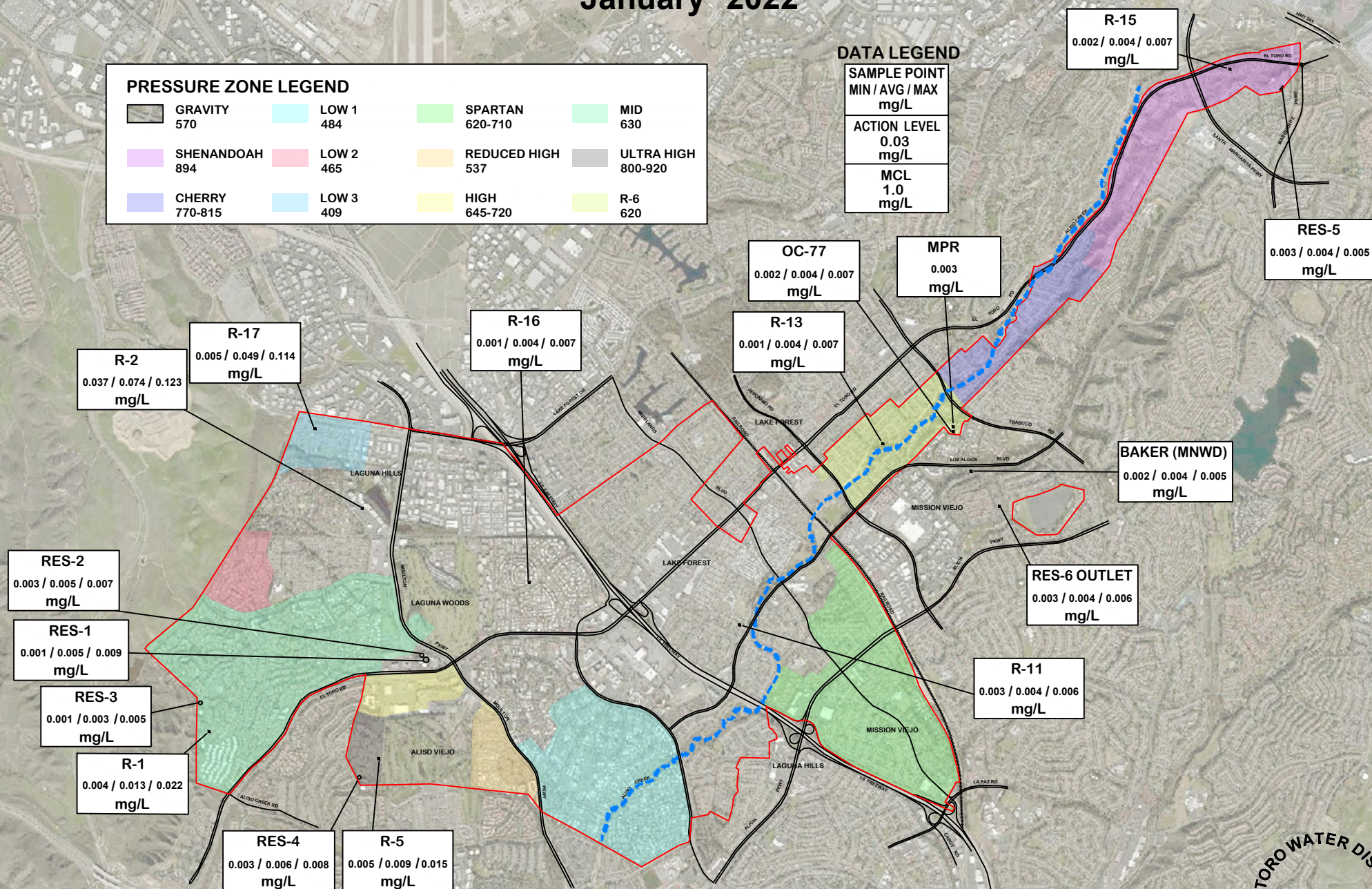
January 2022

PRESSURE ZONE LEGEND

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

DATA LEGEND

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



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

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

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

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

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

- 1) **Microbiological** - The number of microbiological samples and the frequency of analysis during the month is based on the population and/or service connections served. Utilizing a population of 50,000, the CDPH requires that 20 "representative" samples be collected and analyzed for coliform bacteria. The objective is to maintain water quality that is absent of coliform bacteria which is a general indicator for the existence of fecal coliform.
- 2) **Chlorine Residual** - The chlorine residual monitoring is performed in conjunction with the microbiological monitoring. The CDPH requirement for treated surface water mandates that the distribution system maintain a "detectable" residual. The number of and frequency of sampling is determined utilizing the same formula applied to microbiological requirements. At a minimum, we are obligated to collect and analyze for chlorine residual each time we collect the representative microbiological samples. Per EPA Disinfectants & Disinfection Byproduct Rule (D/DBP), which was effective January 2002, requires quarterly reporting for all sampling.
- 3) **TTHM & HAA5 Stage 2 DBPR Compliance** The U.S. Environmental Protection Agency (EPA) published the Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR) on January 4, 2006. The Stage 2 DBPR builds on existing regulations by requiring water systems to meet disinfection byproduct (DBP)* maximum contaminant levels (MCLs) at each monitoring site in the distribution system to better protect public health. The Stage 2 DBP rule is intended to reduce potential cancer and reproductive and developmental health risks from disinfection byproducts (DBPs) in drinking water, which form when disinfectants are used to control microbial pathogens. This final rule strengthens public health protection for customers of systems that deliver disinfected water by requiring such systems to meet maximum contaminant levels as an average at each compliance monitoring location (instead of as a system-wide average as in previous rules) for two groups of DBPs, trihalomethanes (TTHM) and five haloacetic acids (HAA5). The rule targets systems with the greatest risk and builds incrementally on existing rules. This regulation will reduce DBP exposure and related potential health risks and provide more equitable public health protection. The Stage 2 DBPR is being released simultaneously with the Long Term 2 Enhanced Surface Water Treatment Rule to address concerns about risk tradeoffs between pathogens and DBPs.

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

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

EL TORO WATER DISTRICT MONTHLY POTABLE WATER QUALITY ANALYSIS MONTH: JANUARY YEAR : 2022					
CONSTITUENT ANALYSIS	INSIDE LAB		OUTSIDE LAB		
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	174	Absence		Average
2 Chlorine (ppm)	Detectable Resid	190	Average = 1.79 ppm		
3 TTHM (ppb) (Stage 2)	80 ppb				ppm
3 HAA5 (ppb) (Stage 2)	60 ppb				ppm
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.01 to 0.07 Res.		
Odor	3 Units	20	ND<1		
Color	15 Units	20	ND<5		
Temperature	No standard	20	61.0°F To 66.0°F		
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	104	0.001 to 0.009 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: **JANUARY** **2022**

ODOR COMPLAINTS	MONTHLY	ANNUAL	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village	0	0			
Laguna Woods Village	0	0			
New World	0	0			
Private System	0	0			
Other: WRP	0	0			
TOTAL	0	0			
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					
Laguna Woods Village					
New World					
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	20,093	344,431	391,450	114%	69%
Laguna Woods Village	0	263,336	233,721	89%	69%
New World	0	7,728	5,591	72%	69%
Private System	0		0		
TOTAL	20,093	615,495	630,762	102%	69%
Hot Spots	23,971		395,896		
COMBINED TOTALS:	44,064		1,026,658		
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	0	344,431	93,165	27%	17%
Laguna Woods Village	0	263,336	3,321	1%	17%
New World	0	7,728	0	0%	17%
Private System	0		0		
Other	0		0		
TOTAL	0	615,495	96,486	16%	17%
Wet Well Cleaning	4	MATHIS, WESTLINE, FREEWAY, OSO			
Flow Meter/Sampling	0				
Water Tank Fills	44	44,000			
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

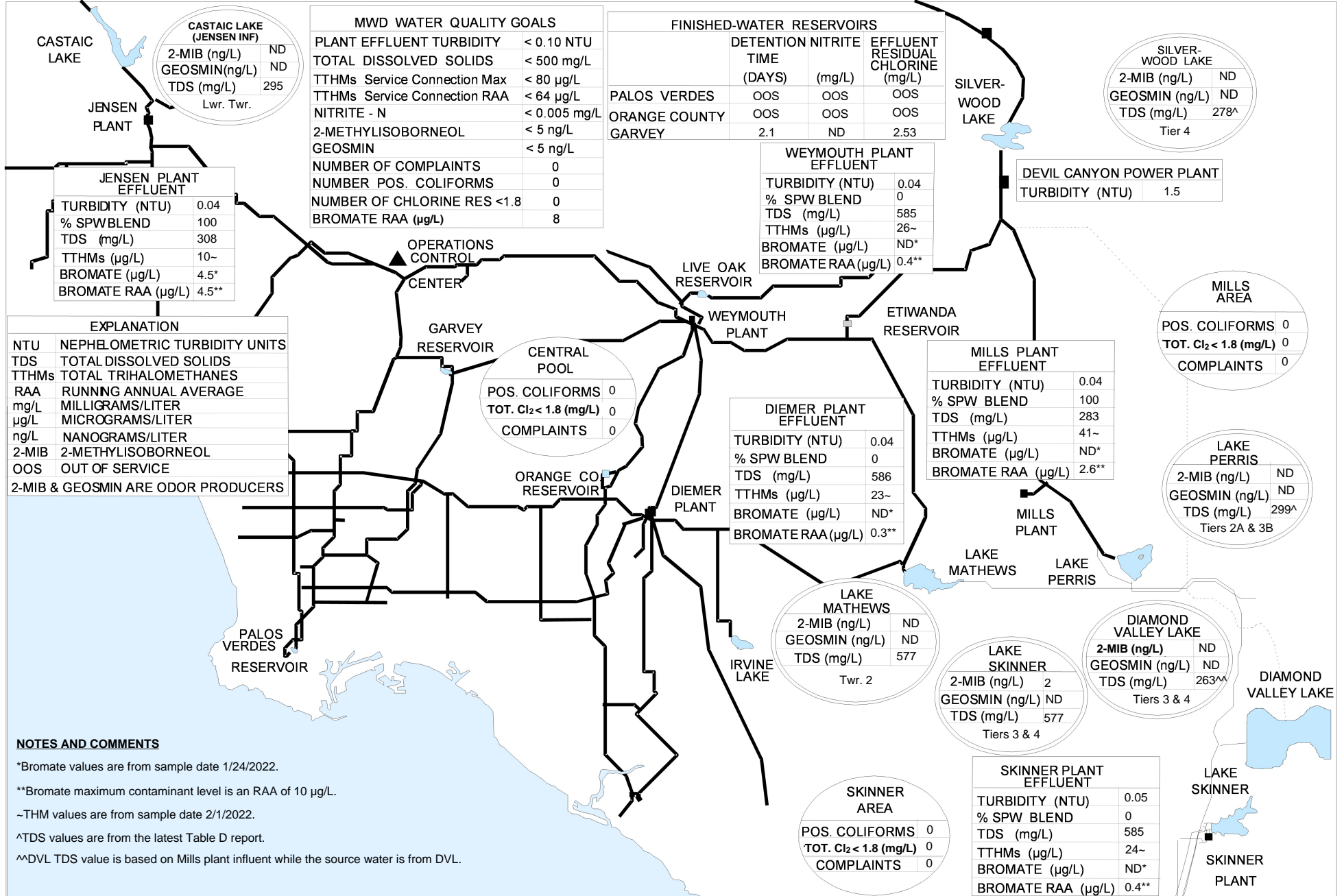
Wednesday, February 16, 2022

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THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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

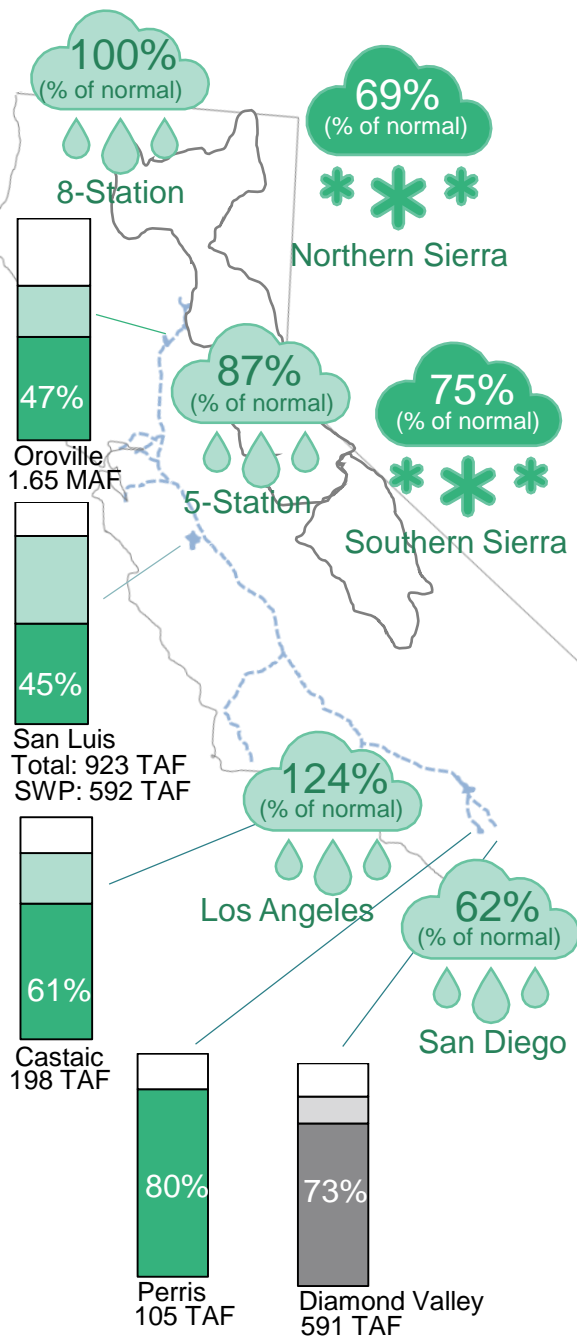


MWD water quality goals meet or exceed all State and Federal regulations.

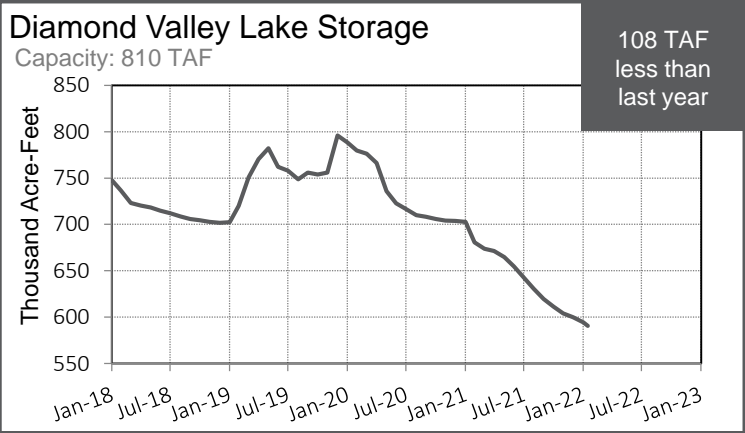
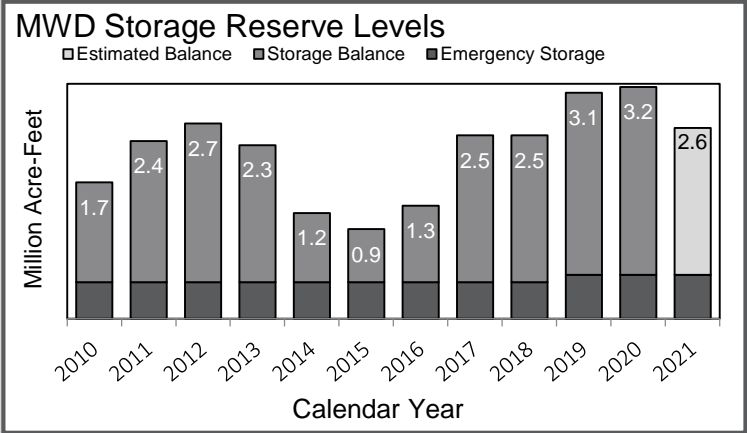
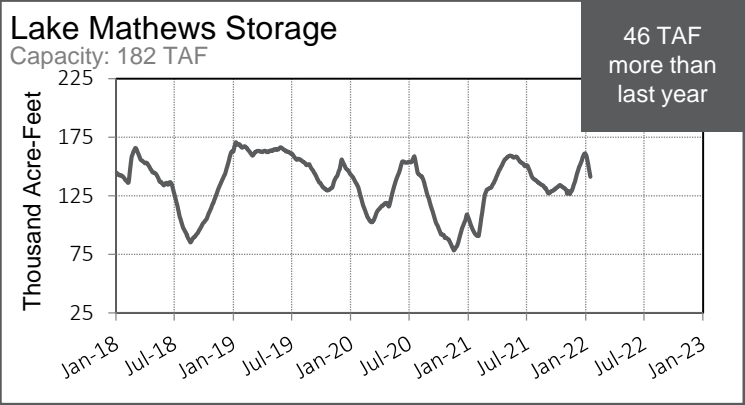
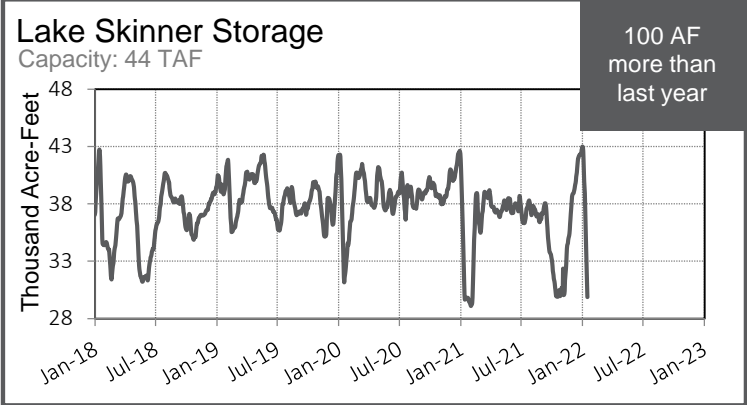
WATER QUALITY INFORMATION LINE: (800) 354-4420
VISIT MWD ON THE WEB AT <http://www.mwdh2o.com>



SWP Table A – 15% - 286,725 AF



Metropolitan Resources



Highlights

- Snowmelt has started in the Northern Sierra
- February has so far been very dry in both the Sierra and the Upper Colorado River Basin



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. Questions? Email mferreira@mwdh2o.com

Projected CRA Diversions – 1,155,000 AF

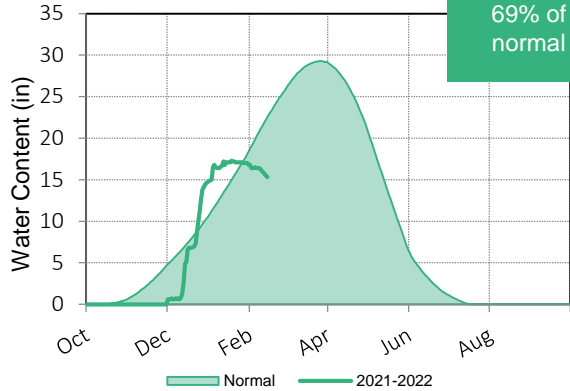


State Water Project Resources

As of: 02/14/2022

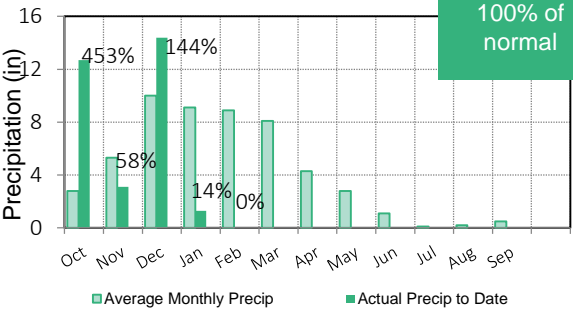
Northern Sierra Snowpack

15.3in
69% of normal



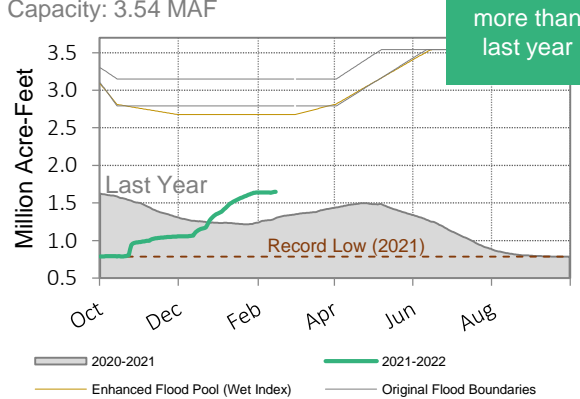
8 Station Index Precipitation

31.5 in
100% of normal



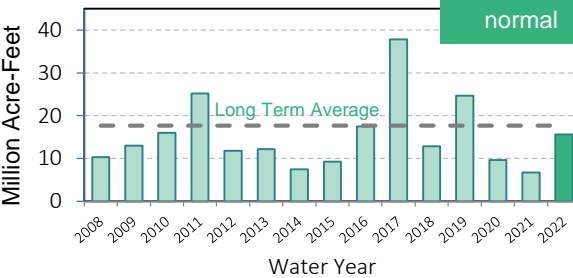
Oroville Reservoir Storage

351 TAF
more than last year



Sacramento River Runoff

Forecast:
88% of normal



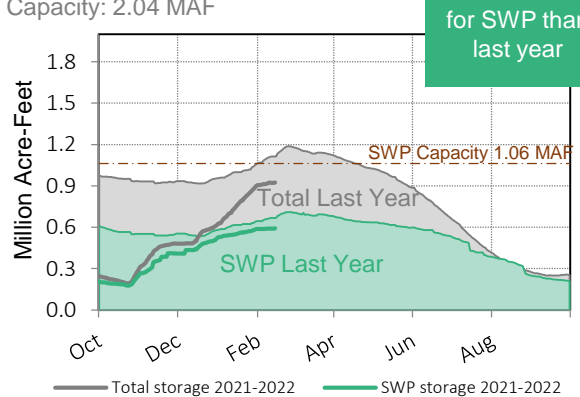
Other SWP Supplies

Calendar Year 2022

Carryover 36,000 AF (Est.)

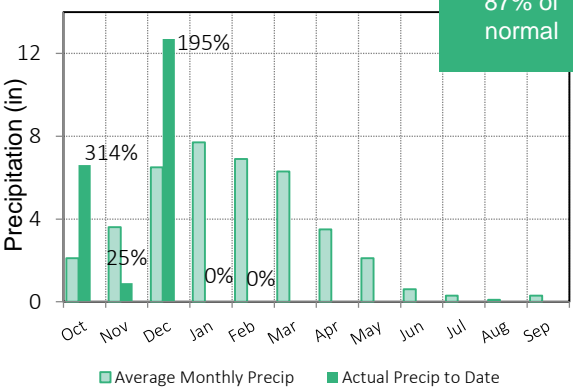
San Luis Reservoir Storage

76 TAF less
for SWP than last year



5 Station Index Precipitation

20.2 in
87% of normal

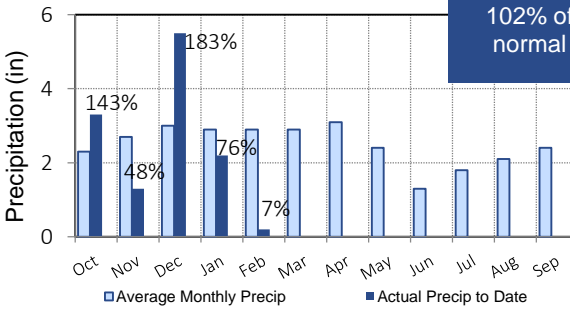


Colorado River Resources

As of: 02/14/2022

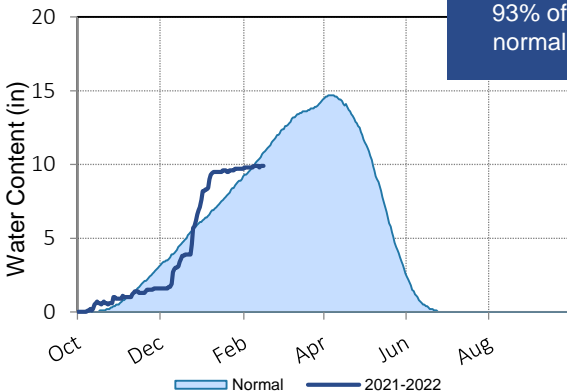
Upper Colorado Precipitation

12.5 in
102% of normal



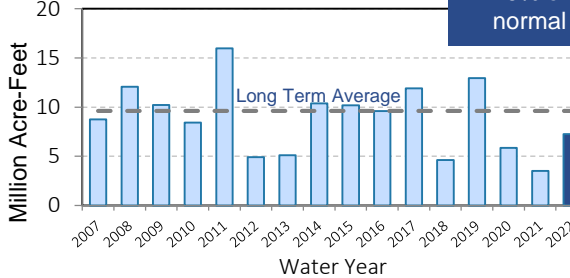
Upper Colorado Snowpack

9.9 in
93% of normal



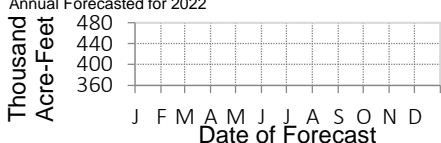
Powell Unregulated Inflow

Forecast:
76% of normal



PVID/Yuma Agricultural Use

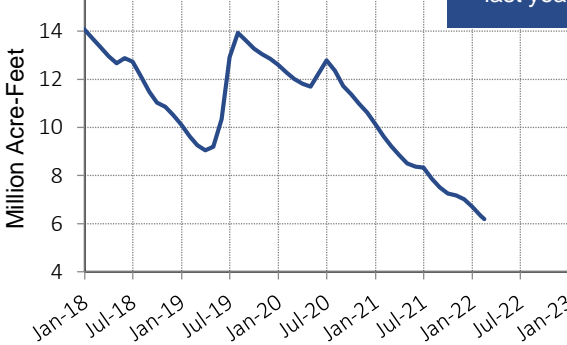
Current
Annual
Forecast:
TBD



Lake Powell Storage

Capacity: 24.3 MAF

3.24 MAF
less than last year



Projected Lake Mead ICS

Calendar Year 2022

Put (+) / Take (-)
-256,000 AF

Lake Mead Surplus/Shortage Outlook

	2022	2023	2024	2025	2026
Surplus	0%	0%	0%	0%	0%
Shortage	100%	97%	95%	96%	93%
Metropolitan			65%	62%	64%
DCP*			TBD TAF	TBD TAF	TBD TAF

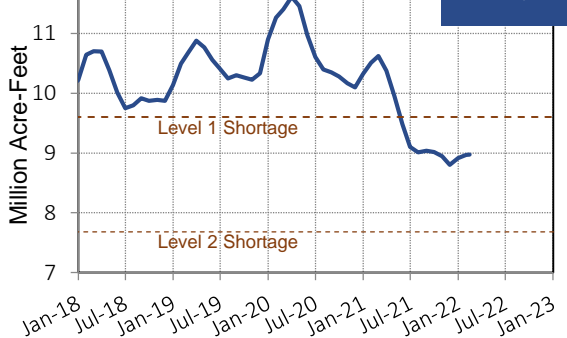
Likelihood based on results from the corrected January 2022 CRMMIS in Ensemble Mode/CRSS model run. Includes DCP Contributions. Only includes 500+ Plan items implemented to date.

* Chance of required DCP contribution by Metropolitan. Average contribution when needed still to be determined.

Lake Mead Storage

Capacity: 26.1 MAF

1.65 MAF
less than last year





Memorandum

DATE: February 15, 2022
TO: Member Agencies – MWD OC Division Five
FROM: Sat Tamaribuchi, Director – Division Five
SUBJECT: Monthly Water Usage Data, Tier 2 Projection & Water Supply Information

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

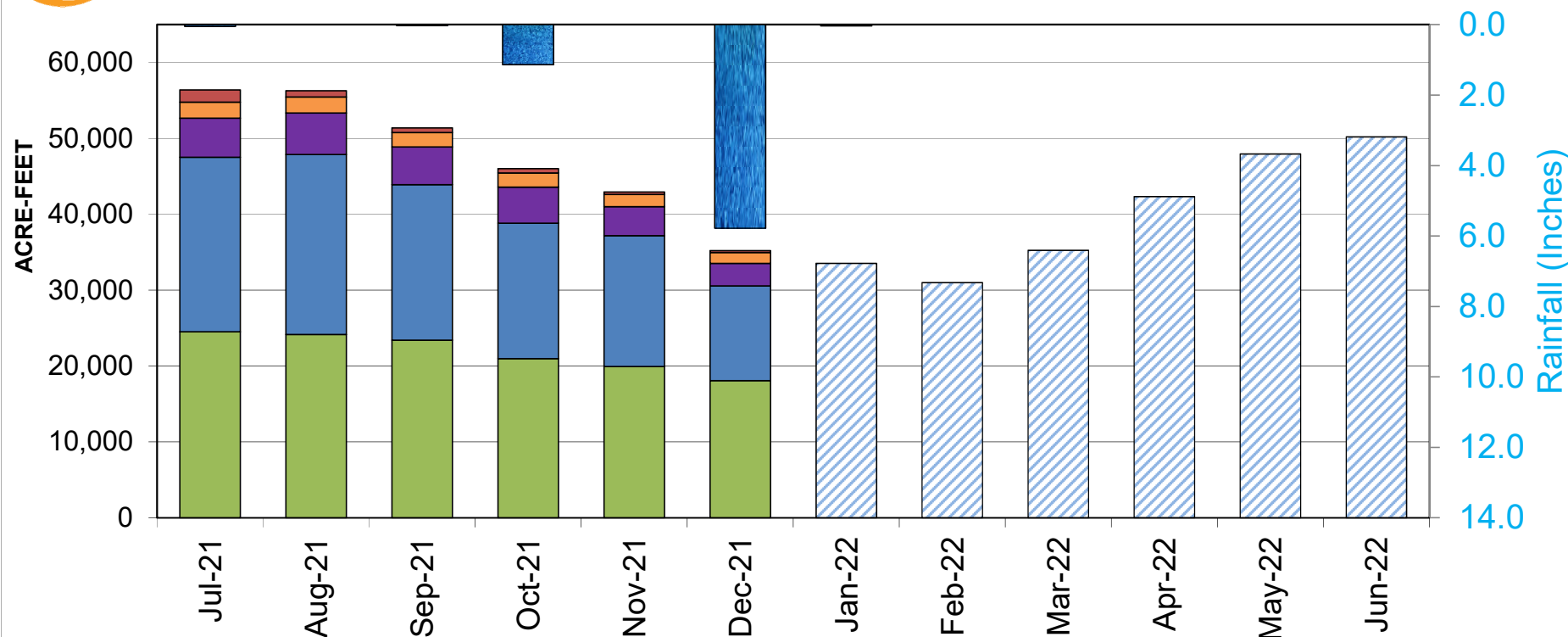
- OC Water Usage, Monthly by Supply ***OCWD Groundwater was the main supply in December.***
- Estimated OC Water Usage, Monthly, Comparison to Previous Years Water usage in December ***2021 was below average compared to the last 5 years.*** We are projecting a decrease in overall water usage compared to FY 2020-21. On July 8th 2021, state officials have ask California residents to voluntary reduce their water usage by 15% compared to 2020 levels.
- Historical OC Water Consumption Orange County M & I water consumption is ***projected*** to be ***529,000 AF in FY 2021-22 (this includes ~11 TAF of agricultural usage and non-retail water agency usage).*** This is about ***30,000 AF less than FY 2020-21*** and is about ***4,000 AF less than FY 2019-20.*** Water usage per person is projected to be slightly lower in ***FY 2021-22 for Orange County at 150 gallons per day*** (This includes recycled water usage). Although OC population has increased 20% over the past two decades, water usage has not increased, on average. A long-term decrease in per-capita water usage is attributed mostly to Water Use Efficiency (water conservation) efforts. ***O.C. Water Usage for the period of Fiscal Years FY 2015-16 to FY 2019-20 was the lowest since the 1982-83 Fiscal Year*** (FY 1982-83 was the third wettest year on record). ***O.C. Water Usage in FY 2020-21 was the highest since FY 2010-11.***

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

- Orange County's accumulated precipitation through **early February was below average** for this period. Water year to date rainfall in Orange County is **6.32 inches**, which is **93% of normal**.
- Northern California accumulated precipitation through **early February was 114% of normal for this period**. Water Year 2021 was 48% of normal while water year 2020 was 63% of normal. The **Northern California snowpack was 88% as February 3rd, 2021. As of late January, 99.3%** of California is experiencing **moderate to exceptional drought conditions** while 100.00% of the state is experiencing abnormally dry conditions. The State Water Project Contractors Table A Allocation was increased in January to 15% for WY 2022.
- Colorado River Basin accumulated precipitation through **late January was 112% of normal** for this period. The **Upper Colorado Basin snowpack was 99% of normal** as of February 2nd 2021. **Lake Mead and Lake Powell** combined have about **45.0% of their average storage volume** for this time of year and are at **30.4% of their total capacity**. For the first time on the Colorado River, Lake Mead's **levels have fallen below the "trigger" limit of 1,075 ft. at the end of a calendar year**. The US Bureau of Reclamation (USBR) has declared a shortage at Lake Mead, impacting Colorado River water deliveries to the Lower Basin states. Lake Mead as of early February, were **7.96' BELOW the "trigger" limit**. The USBR has declared a **shortage on the Colorado River starting January 1st 2022. There is and a 97% chance of shortage continuing in 2023.**



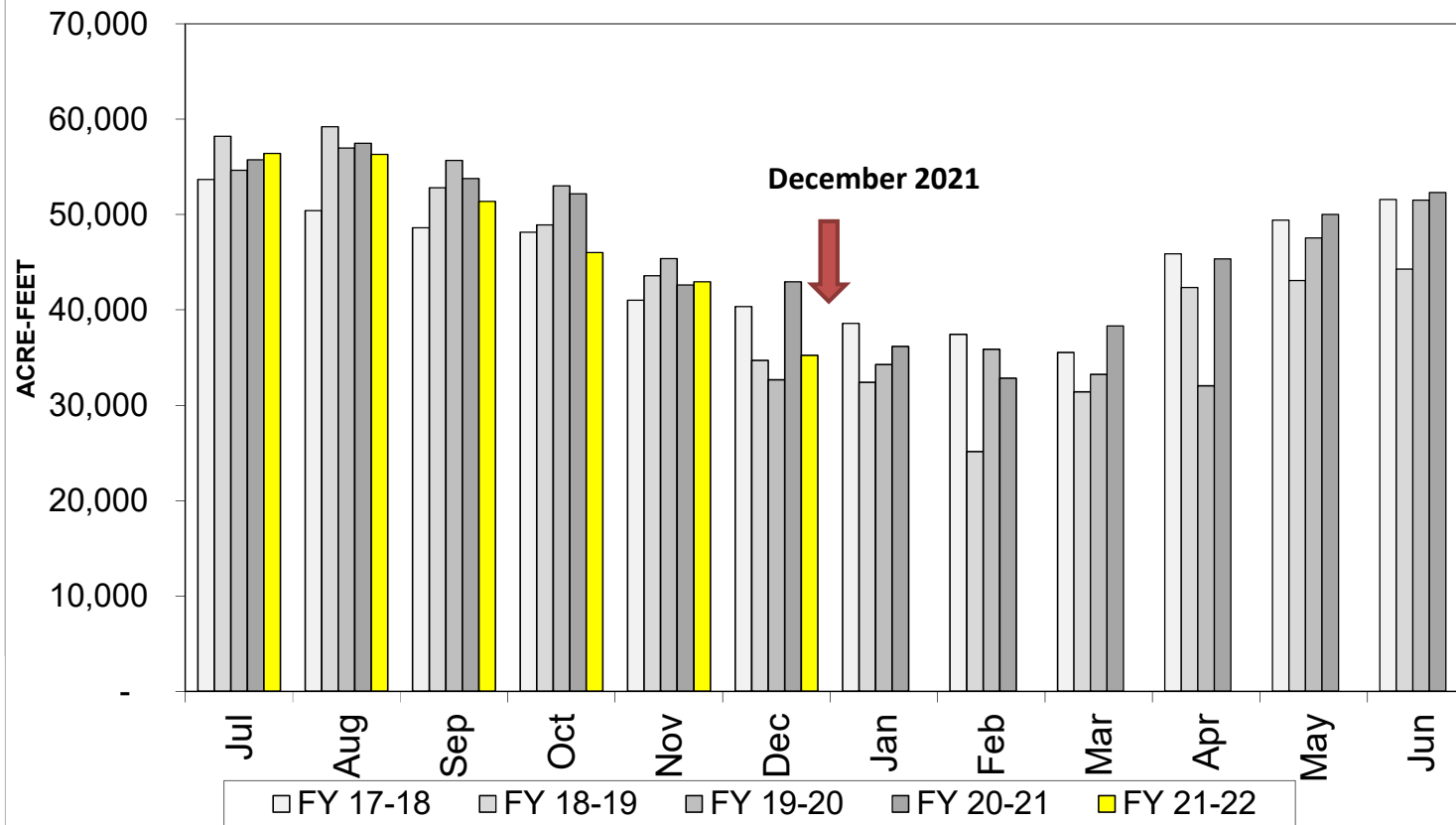
Fig. 1 OC Water Usage, Monthly by Supply with projection to end of fiscal year



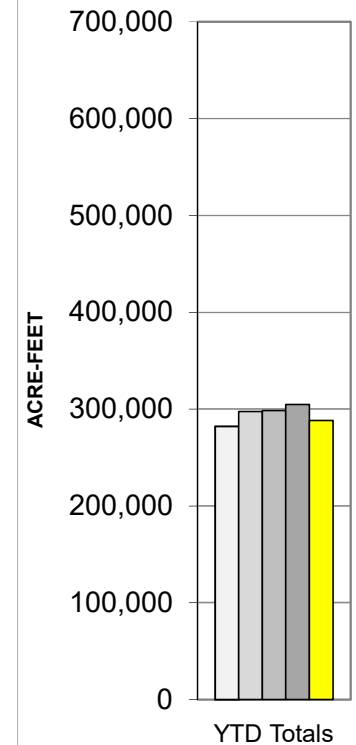
- [1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water and deliveries into Irvine Lake.
- [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '21-22 is 77%.
- [3] MWDOC's estimate of monthly demand is based on the projected 5 Year historical retail water demand and historical monthly demand patterns.
- [4] Total water usage includes IRWD groundwater agricultural use and usage by non-retail water agencies.



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

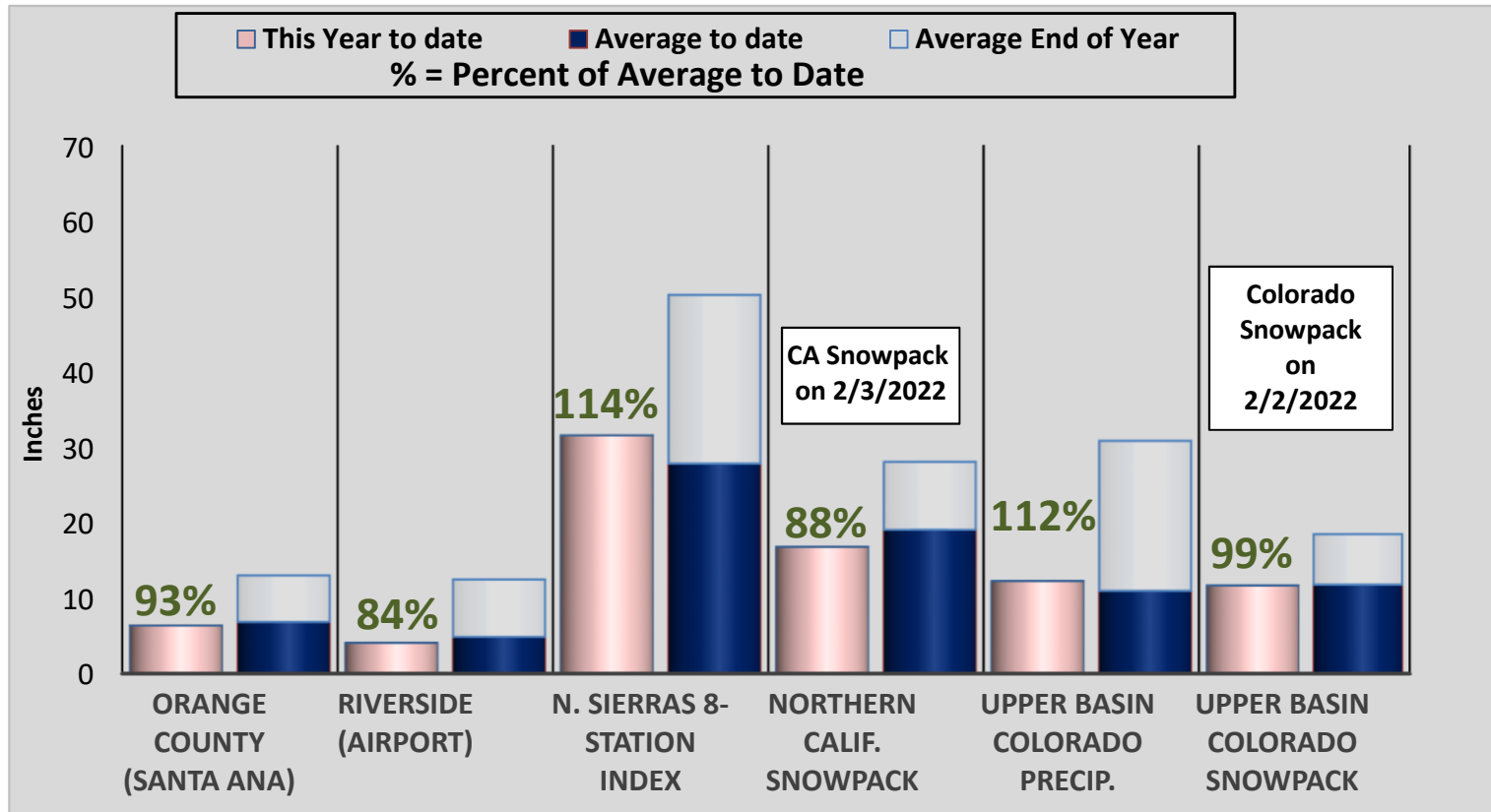


Partial Year Subtotals



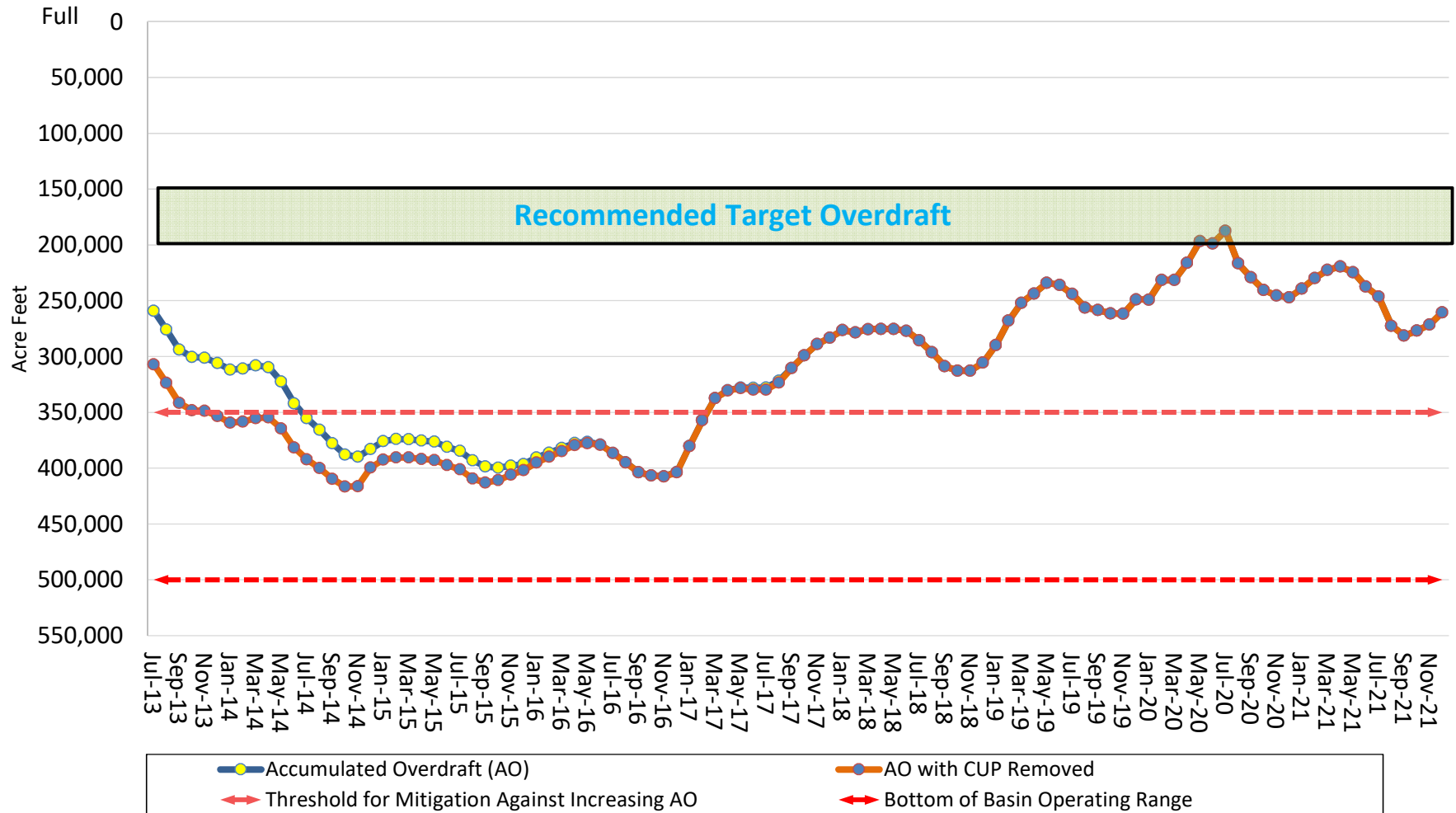
[1] Sum of Imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water and excludes GWRS production) Recent months numbers include some estimation.

Accumulated Precipitation for the Oct.-Sep. water year, early February 2022



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

Accumulated Overdraft of the OCWD Groundwater Basin as of December 2021



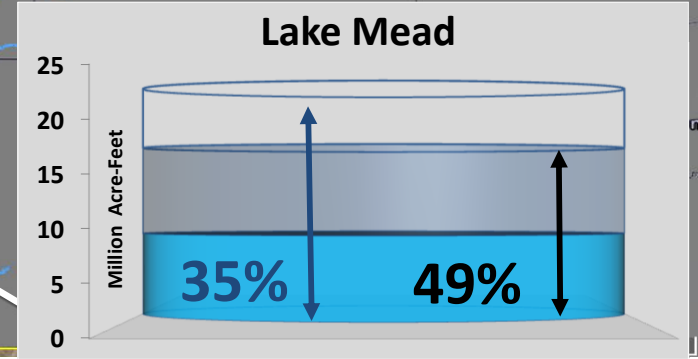
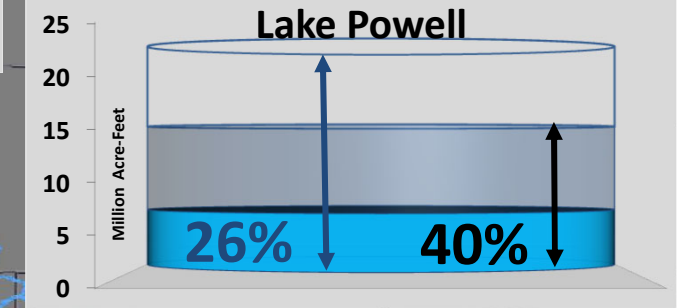
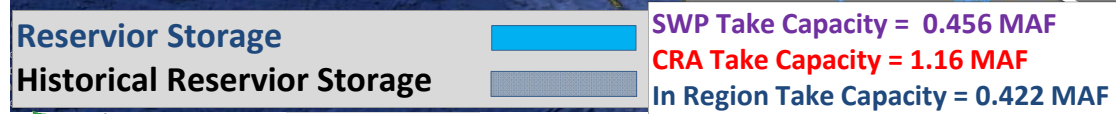
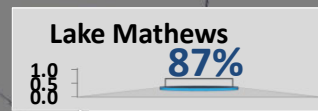
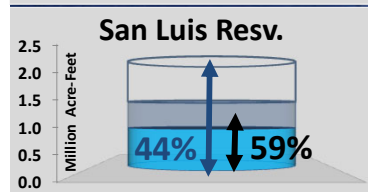
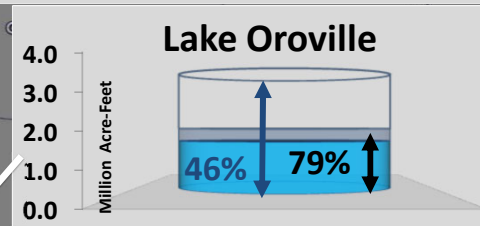
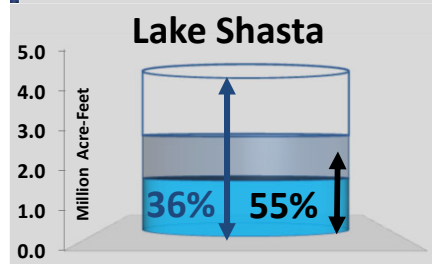
	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
AO (AF)	187,392	216,548	229,124	240,414	245,441	246,998	239,329	229,738	222,470	219,388	224,458	237,335
AO w/CUP removed (AF)	187,392	216,548	229,124	240,414	245,441	246,998	239,329	229,738	222,470	219,388	224,458	237,335
	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
AO (AF)	246,350	272,443	281,354	276,909	271,455	260,387						
AO w/CUP removed (AF)	246,350	272,442	281,354	276,909	271,455	260,387						

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



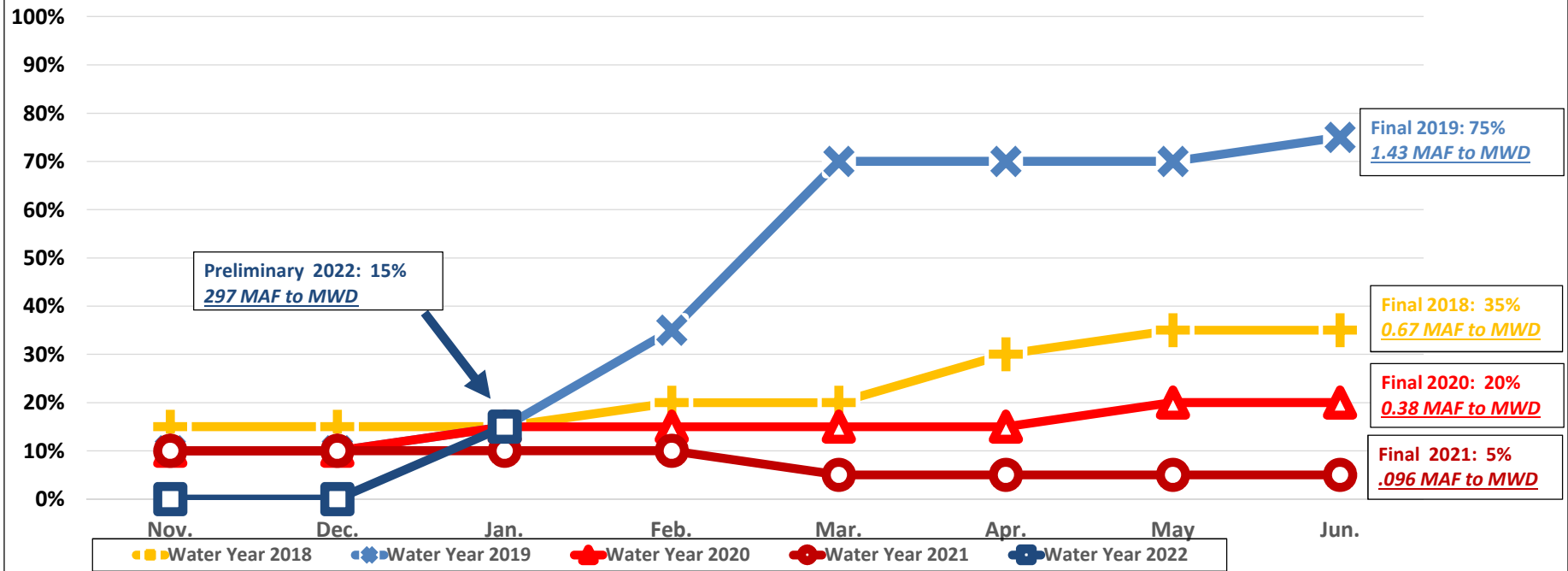
State Water Project, Colorado River, and MWD Reservoir Storage

as of February 3, 2022

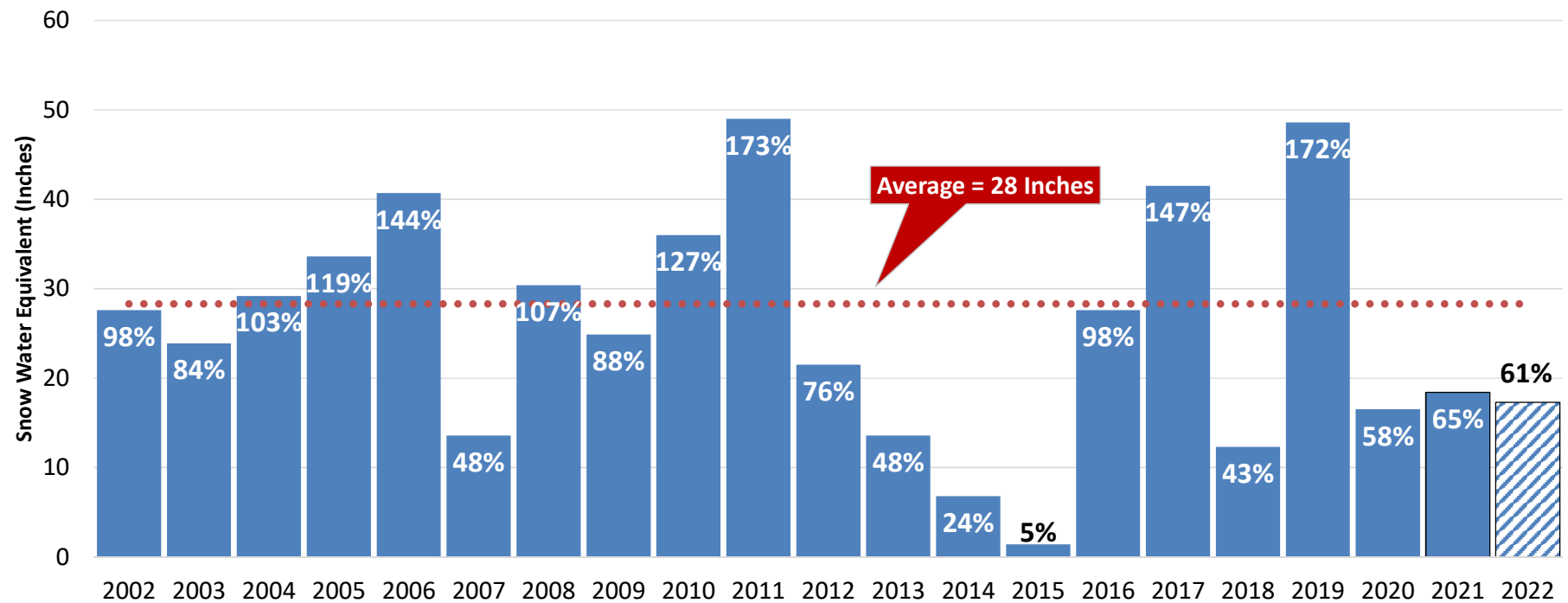


SWP TABLE A ALLOCATION PERCENTAGE

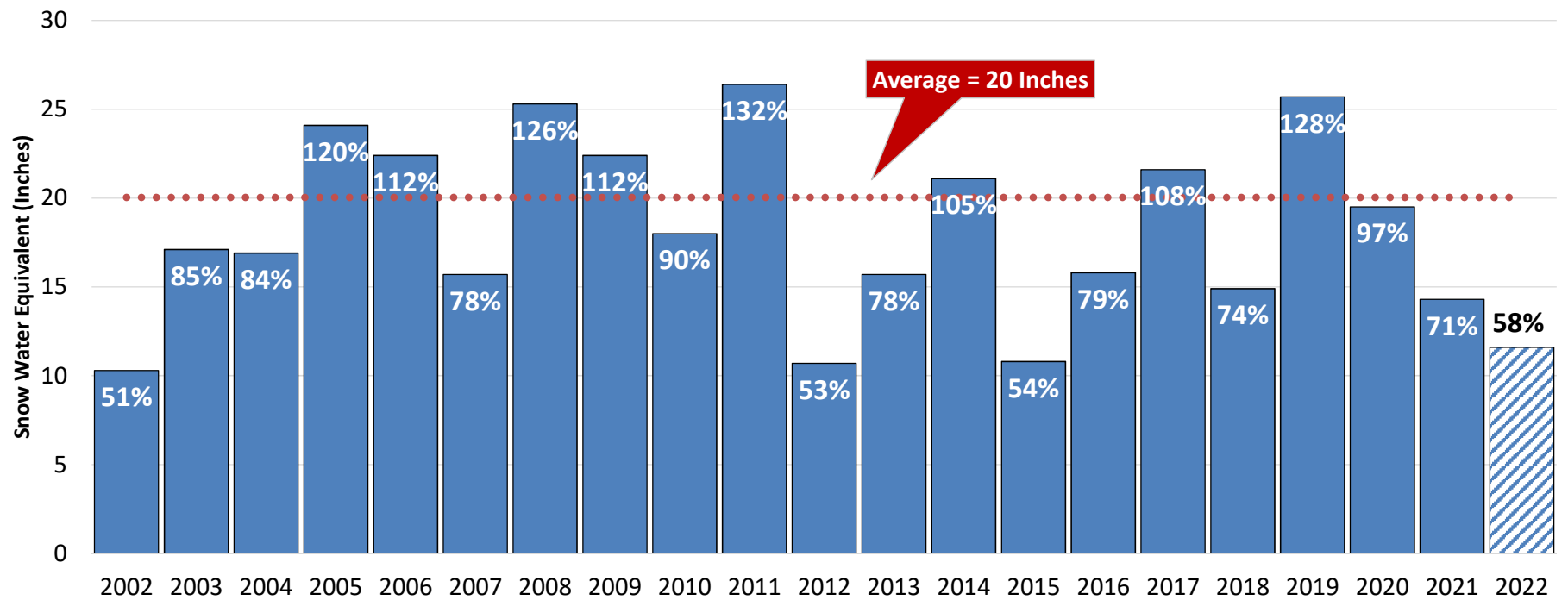
FOR STATE WATER PROJECT CONTRACTORS



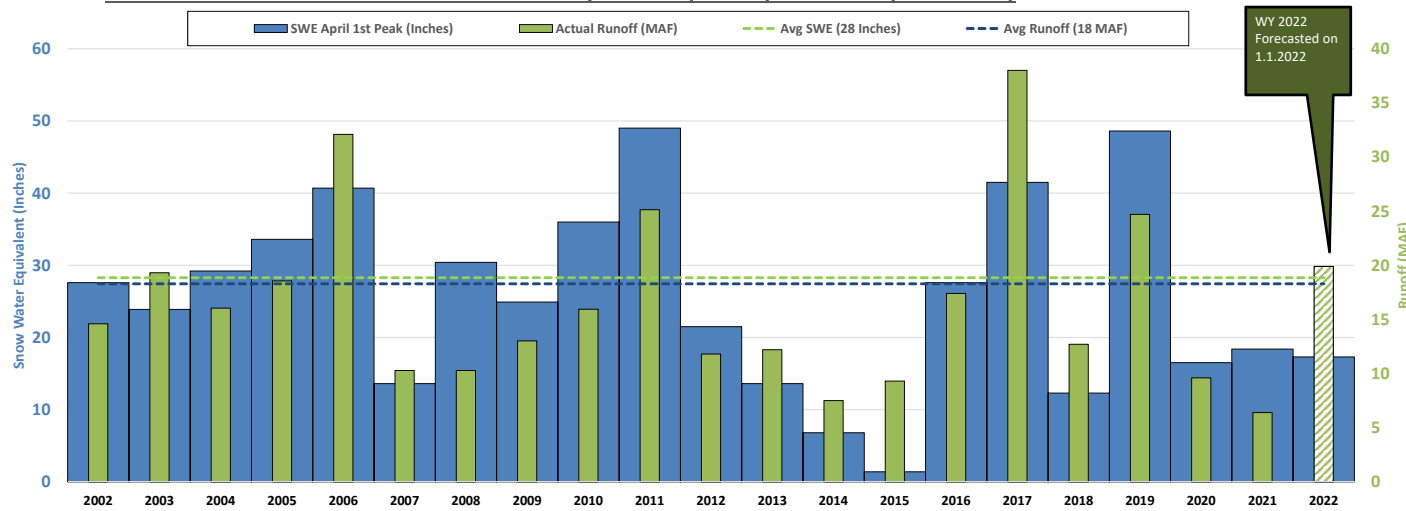
Historical Northern California April 1st Peak Snow Water Equivalent



Historical Colorado Basin April 15th Peak Snow Water Equivalent



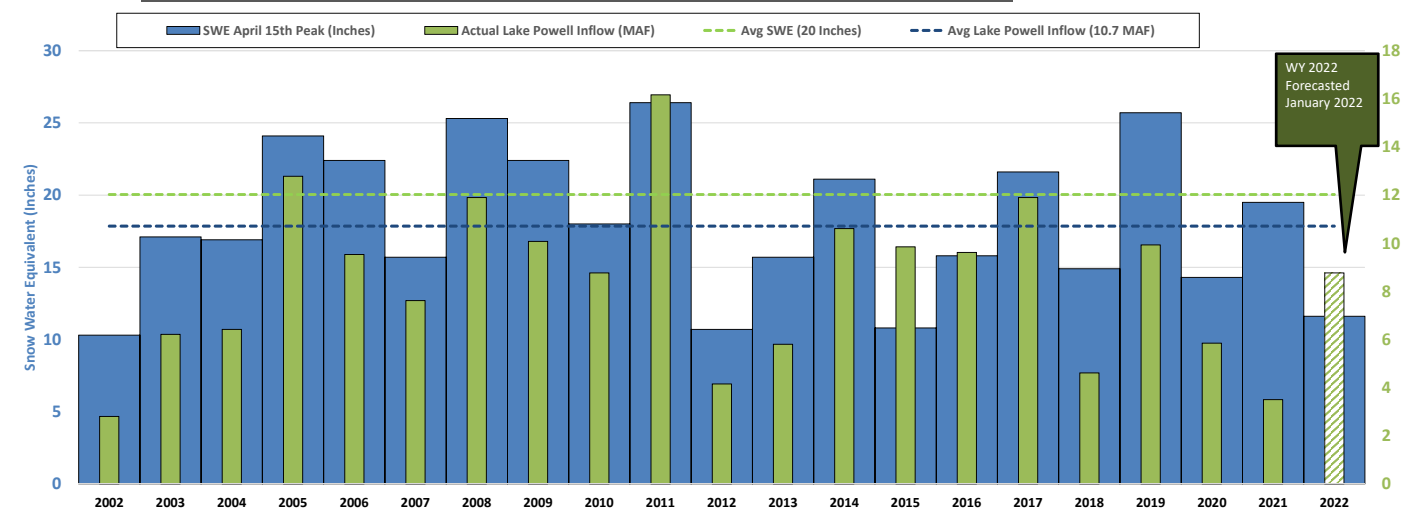
Northern California Historical Snow Water Equivalent (Inches) Vs Runoff (Million AF)



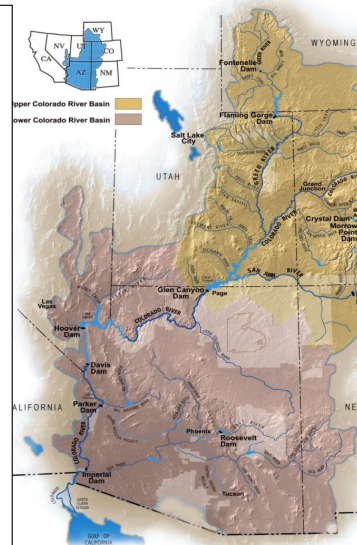
Sacramento River Basin



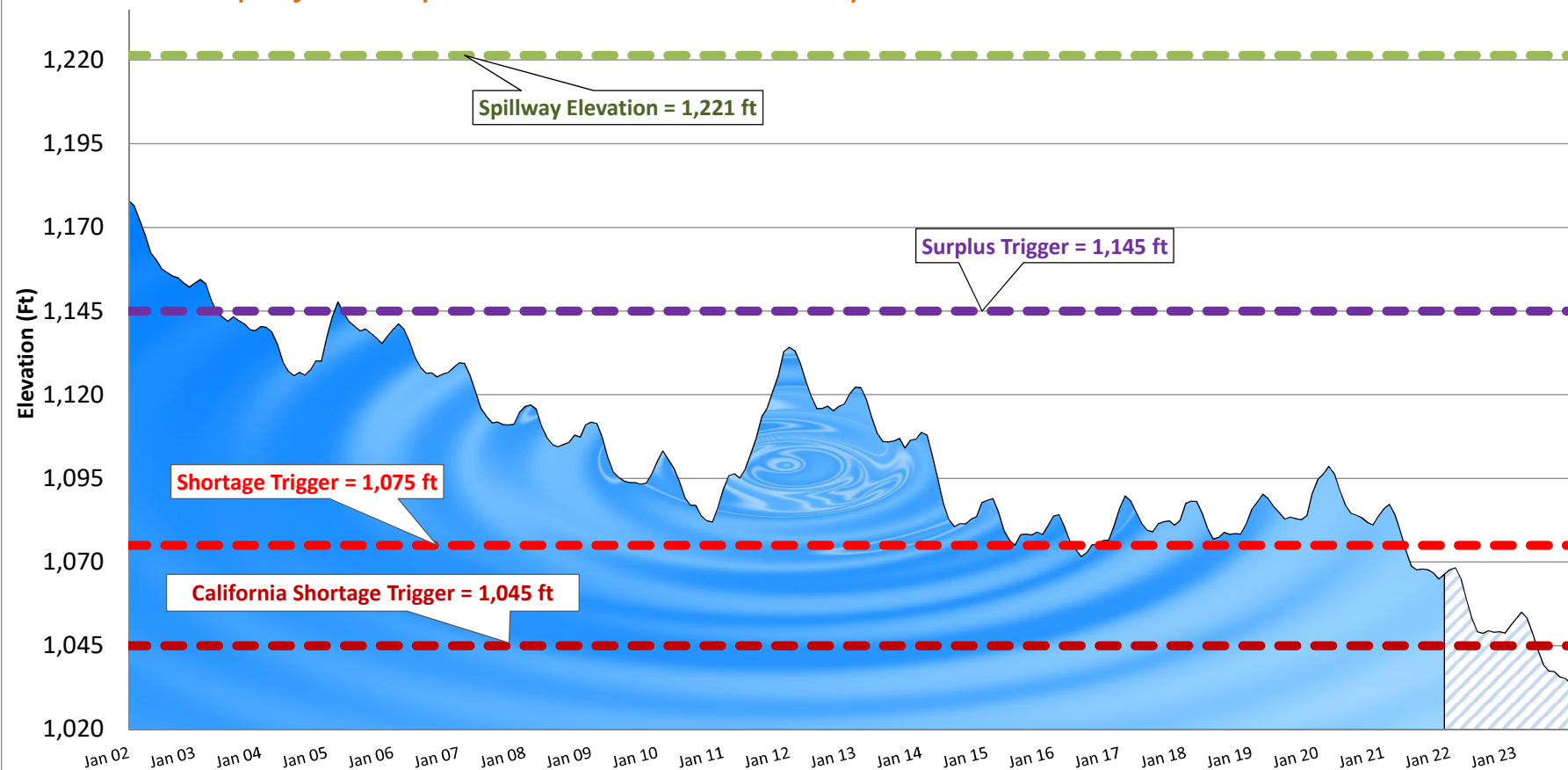
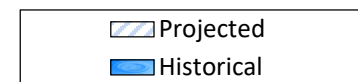
Upper Colorado Historical Snow Water Equivalent (Inches) Vs Runoff (Million AF)



Colorado River Basin

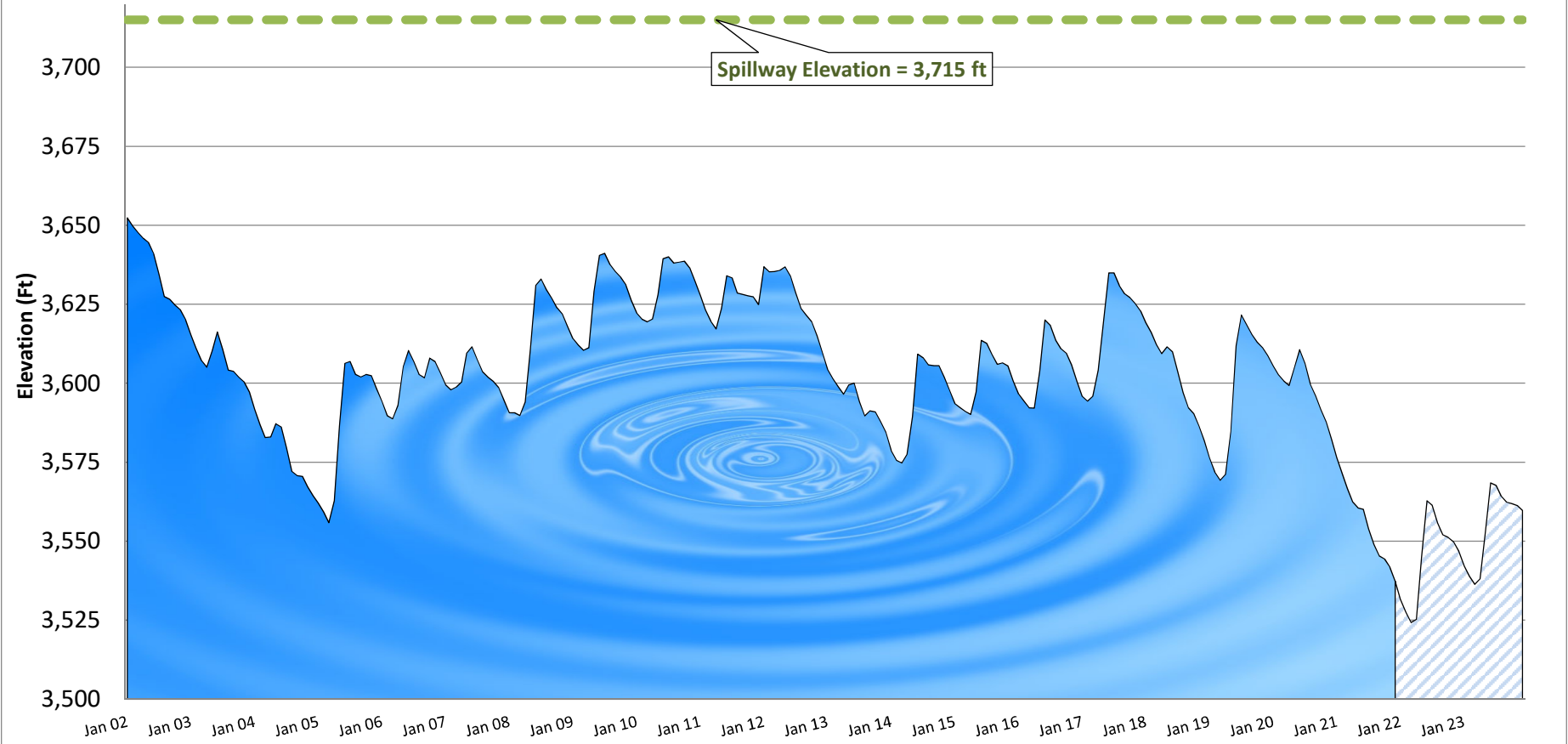


Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study

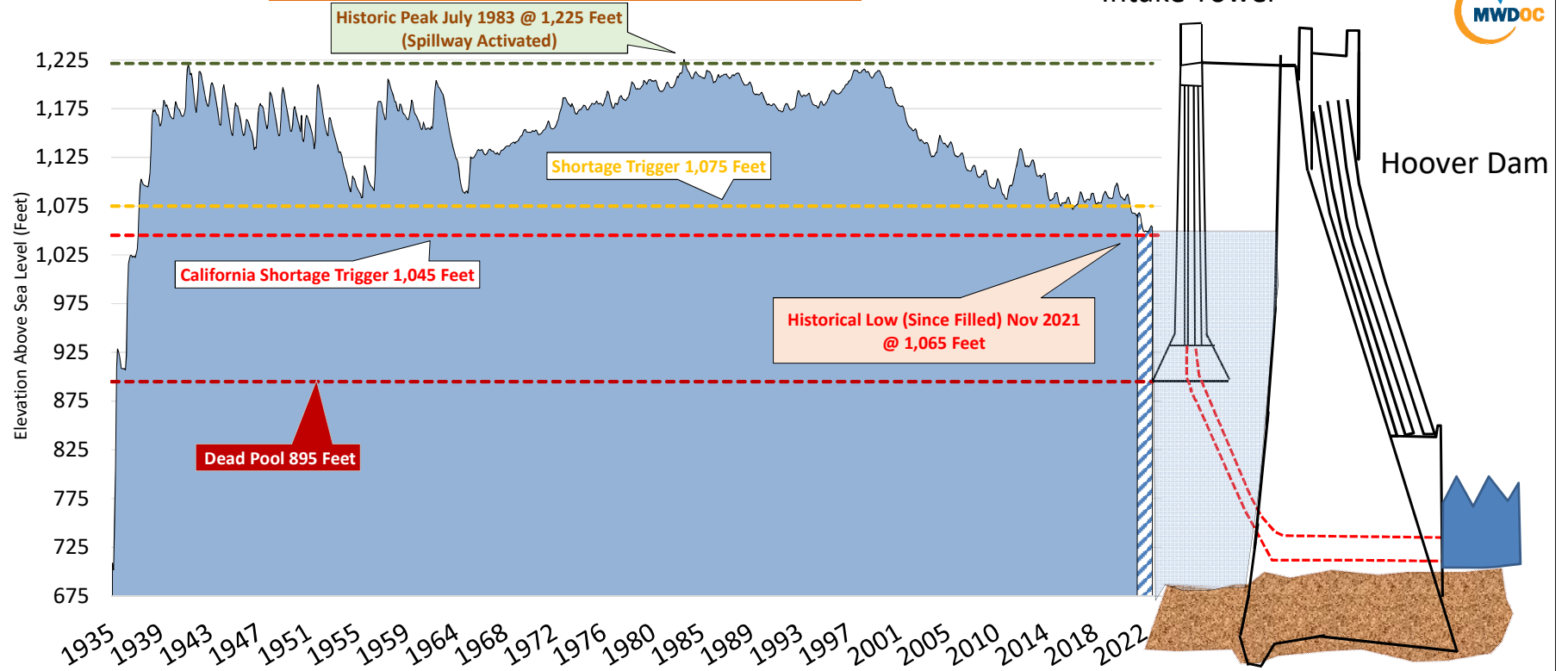


Lake Powell Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected



Lake Mead Historical Water Elevation Level



WILL SERVE REQUEST STATUS REPORT

(January 2022)

All projects subject to previously issued Will Serve Letters are either Complete or the Will Serve Letter has Expired

Applicant	Project Description	Location	Status	Date Requested	Date Issued
National Community Renaissance	Mountain View Housing	24551 El Toro Rd	Issued	09/15/21	09/17/21
City of Laguna Woods	LW Public Library	24264 El Toro Rd	Issued	08/07/20	09/23/20
Buchheim Properties III	Fuddruckers Redevelopment	23621 El Toro Rd Lake Forest	Issued	08/27/20	09/22/20
Merlone Geier Partners	Village at Laguna Hills	LH Mall Site	Pending		
Saddleback Medical Center	Women's Health Pavilion	24401 Calle De La Louisa	Issued	09/09/21	10/21/21
The Festival Company	Target/Alicia Landing (Phase II)	24420 & 24440 Alicia Parkway	Issued	10/11/21	10/11/21
Laguna Hills Investment Company	Heritage Medical Offices Oakbrook Village Suite H	24321 Avenida De La Carlota H-6	Issued	09/09/21	10/21/21
Mey Chen	Burger Town Sewer Connection	24418 Muirlands Blvd	Issued	07/01/21	07/29/21
City of Lake Forest	Arbors Access Ramp	23721 ½ El Toro Road	Issued	09/21/21	09/23/21

EL TORO WATER DISTRICT UNAUTHORIZED DISCHARGE SUMMARY YEAR OF 2022

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			No Spill												
LEGEND											0	0	0	0	
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											



WRP BATTERY STORAGE SYSTEM

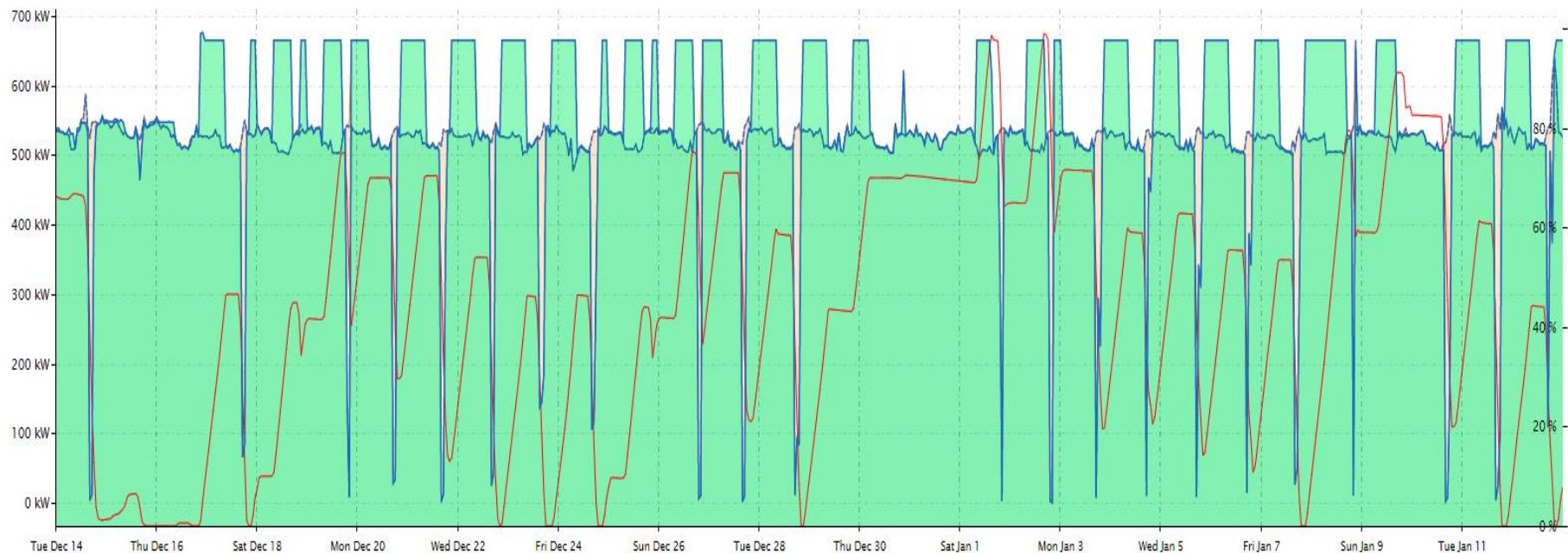
MONTHLY REPORT

January, 2022

Year 3

BILLING PERIOD	BILL SAVINGS	NET SAVINGS
08/12/21 - 09/13/21	\$ 3,251.24	\$ 1,661.24
09/13/21 - 10/13/21	\$ 4,754.89	\$ 3,164.89
10/13/21 - 11/12/21	\$ 2,940.99	\$ 1,350.99
11/12/21 - 12/14/21	\$ 1,998.24	\$ 408.24
12/14/21 - 01/14/22	\$ (650.06)	\$ (2,240.06)

TOTAL \$ 12,295.30 \$ 4,345.30



Sewerage Treatment Plant

23542 Moulton Pkwy, Laguna Woods, CA 92637



Savings Report - 2022-01

Dec 14, 2021 - Jan 14, 2022

SCE TOU 8 Option D (< 2kV)

Demand Charges	Before Storage		After Storage		Savings	
Maximum Demand Charges	643kW	\$11,594.24	679kW	\$12,237.65	(36)kW	\$(643.41)
Winter Mid-Peak (Weekdays)	643kW	\$6,075.79	648kW	\$6,118.37	(5)kW	\$(42.58)
Sub-total		\$17,670.03		\$18,356.02		\$(685.99)
Energy Charges	Before Storage		After Storage		Savings	
Winter Mid-Peak	81,909kWh	\$8,524.46	51,564kWh	\$5,363.66	30,345kWh	\$3,160.80
Winter Off-Peak	180,588kWh	\$17,025.20	209,822kWh	\$19,782.33	(29,234)kWh	\$(2,757.12)
Winter Super Off-Peak	127,396kWh	\$9,664.87	132,231kWh	\$10,032.62	(4,835)kWh	\$(367.75)
Sub-total		\$35,214.53		\$35,178.60		\$35.94
Other Monthly Charges	Before Storage		After Storage		Savings	
Customer and Other		\$707.59		\$707.59		\$ -
Sub-total		\$707.59		\$707.59		\$ -
Total	Before Storage		After Storage		Savings	
		\$53,592.16		\$54,242.21		\$(650.06)

Note: The above data is calculated by Genability using utility meter data. If there were any gaps in the utility data, they were filled with Stem meter data. Your actual utility bill may look different from the data displayed above due to either issues in the utility data we were provided or in the Stem meter data collected. Some discrepancies are normal and to be expected. For this reason, Stem completes a thorough review of all data and reconciles discrepancies by comparing the Genability calculations of the energy storage system cost savings and total bill values with your utility bills. If you have an outstanding performance guarantee term, any discrepancies identified are adjusted for differences and reflected in your true up term statement.

NATURAL RESOURCE RESULTS

To: Board of Directors, *Municipal Water District of Orange County*

From: Natural Resource Results

RE: Monthly Board Report – February 2022

Appropriations

The federal government continues to operate under a Continuing Resolution (CR) that expires on February 18th. Republicans and Democrats continue to negotiate a fiscal 2022 funding package before the Feb. 18 deadline under the agreement of “basic traditional spending riders, no poison pills, and parity for defense and non-defense.”

Senate Appropriations Chair Patrick Leahy (D-Vt.) said last week that negotiations are “getting much closer to something that both the House and the Senate could agree on.” Still, some Republicans are fine with enacting stopgap spending bills for the rest of the year, which would keep spending levels flat and preserve spending riders from the previous administration. Democrats acknowledged they would need a strong GOP commitment to move forward.

Infrastructure

Federal agencies are signaling how they plan to spend billions of dollars provided by the Infrastructure Investments and Jobs Act (IIJA) that Congress passed in November.

The Army Corps has released its \$22.8 billion spending plan last week:

<https://usace.contentdm.oclc.org/utis/getfile/collection/p16021coll6/id/2236>

The Bureau of Reclamation will receive \$8.3 billion over five years and they released their spend plan last week as well: https://www.usbr.gov/bil/docs/spendplan-2022/Reclamation-BIL_Spend_Plan_2022.pdf

For FY 2022, the Bureau did not select individual projects for funding, instead allocating federal funds at the program level. As it makes funding decisions, the Bureau will be guided by four goals: critical infrastructure, tackling the climate crisis, advancing environmental justice, and driving the creation of jobs.

Two things to highlight from the spend plan for MWD OC are: implementation of DCP and funding for large scale water recycling projects.

1. Drought Contingency Plan Implementation – Lower Colorado River Operations Program (\$250.0 million)

Funding is provided to implement the Colorado River Basin Drought Contingency Plan,

consistent with the obligations of the Secretary under the Colorado River Drought Contingency Plan Authorization Act (P.L. 116-14), and related agreements. Funding in this section is for use in the Lower Colorado River Basin and may be used for projects to establish or conserve recurring Colorado River water that contributes to supplies in Lake Mead and other Colorado River water reservoirs in the Lower Colorado River Basin, or to improve the long-term efficiency of operations in the Lower Colorado River Basin. None of the funds can be used for the operation of the Yuma Desalting Plant. Funding will be provided via an internal formulation process.

Implementation-FY 2022

Allocation: \$50 million: Locations: Lake Mead—Arizona, California, Nevada: Due to the urgent need to minimize the impacts of drought and develop a long-term plan to facilitate conservation and economic growth, Reclamation will contribute to the Administration's all-of-government approach to drought mitigation by coordinating with partners across the Federal government, providing assistance to impacted communities, and developing long-term solutions to climate change.

To that end, Reclamation will allocate \$50 million of Infrastructure Law funding to combatting the impacts of climate change, per a Memorandum of Agreement to invest up to \$200 million in projects over the next two years to reduce the risk of Lake Mead falling to critically low elevations in the months and years ahead. This brings Reclamation's total Federal contribution to \$100 million, thus making Reclamation a full funding partner. To supplement these investments, Interior Department officials also signed important water conservation agreements with the Colorado River Indian Tribes and the Gila River Indian Community designed to help stabilize the elevation of Lake Mead.

- 2. Large Scale Water Recycling Project- \$450 million over the next 5 years.** Nothing is set aside for FY 2022 but we expect to see grant money through a competitive process starting in 2023.

This is a competitive grant program for a large-scale water recycling and reuse program. Eligibility requirements outlined in the legislation will be followed which includes evaluation and prioritization factors. Similar to Title XVI projects, but must be at least \$500 million in total costs, and can include conveyance. A Federal 25% cost share applies, but with no total Federal investment cap. Projects must be supported by feasibility studies that identify Federal benefits and demonstrate technical and financial feasibility, and must prioritize those that serve multiple purposes, including fish and wildlife enhancement, or address environmental impacts from Reclamation projects, or are multi-state or regional in nature. Projects previously funded under Title XVI or Desal programs are eligible as well, provided they meet the criteria for this larger project category. Recommendations will be reviewed by the Program and Budget Office, along with the PMIT and Reclamation Senior Executive leadership.

WRDA

Congress is currently working through its biannual water resources development act legislative process. The Senate Committee on Environment and Public Works is currently wading through submissions from Senate offices. The House Committee on Transportation and Infrastructure is collecting project and policy proposals through February 24th. Both chambers continue to hold hearings on the matter.

Build Back Better Act

Democrats are trying to revive the Build Back Better Act after Senator Manchin (D-WV) signaled that he is somewhat open to restarting negotiations with the White House and that he could support the climate provisions that were included in the previous iteration of the bill. House Speaker Nancy Pelosi (D-CA) has stated that the path forward is to shrink the scope and price tag of the budget reconciliation measure compared with what passed the House late last year. It remains to be seen how much attention Congress will devote to this issue and how much political will remains to get it done amid current events and under a smaller price tag.



BEST BEST & KRIEGER
ATTORNEYS AT LAW

To:	MWDOC
From:	Syrus Devers, Best Best & Krieger
Date:	February 2nd, 2022
Re:	State Legislative Report

The Bill Matrix has returned, albeit with only three items for the moment, with none being opposed by MWDOC. This is the in-between time of a two-year session where two-year bills had to pass out of the house of origin by January 31st, and new bill requests did not have to be received by Legislative Counsel until January 21st. The two-year bills that did not advance are now officially dead. New bill introductions are picking up speed but the deadline to “put a bill across the desk” is not until February 18th—an eternity in legislative time. Keep in mind that new bills cannot be heard or amended for 30 days after introduction.

The only two-year bill of note to survive was SB 230 (Portantino), which advanced to the Assembly after being held in Senate Appropriations last year. This is the bill to set up a science advisory panel to review constituents of emerging concern (CECs) in drinking water, with the hope of getting away from setting drinking water standards in legislation. (I.e., PFAS) The bill was held by Portantino, the Chair of the committee, over the lack of a funding mechanism. After months of diligent work the solution agreed to was that the costs of the bill would be paid for...when and if the Legislature feels like it. (They punted.)

The short list of two-year bills has an asterisk, however. AB 1434 (Friedman) on indoor water use efficiency standards did not advance, but only because the Assembly Member decided to introduce a new bill with the indoor use numbers recommended in the Department of Water Resources report that came out late last year. (No bill number at the time of this writing.) Technically, this would be a violation of Joint Rule 54(c) which prohibits a member from introducing the same bill twice. If an Assembly Member opposed to the bill would like some amusement, they simply have to raise an objection under the Joint Rules...which will likely cause a lot of head scratching because no one reads the rules anymore. But once someone found a copy of the rules and looked it up, they would find that the objection triggers a referral to the Assembly Rules Committee for a determination, which may trigger a Legislative Counsel opinion. (Perhaps not everyone would think it's funny but this former legislative staffer would get a kick out of it.)

Look for a multipage bill list at the March Workshop which should allow for timely considering of significant bills.

MWDOC Workshop

Item No. 3d

Bill Matrix - Feb, 2022

Prepared by Best Best & Krieger

Measure	Author	Topic	Status	Location	Brief Summary	Position	Priority
SB 45	Portantino D	Short-lived climate pollutants: organic waste reduction goals: local jurisdiction assistance.	1/24/2022-Read third time. Passed. (Ayes 36. Noes 0.) Ordered to the Assembly. In Assembly. Read first time. Held at Desk.	1/24/2022-A. DESK	Current law requires the Department of Resources Recycling and Recovery, in consultation with the State Air Resources Board, to adopt regulations to achieve the organic waste reduction goals established by the state board for 2020 and 2025, as provided. Current law requires the department, no later than July 1, 2020, and in consultation with the state board, to analyze the progress that the waste sector, state government, and local governments have made in achieving these organic waste reduction goals. This bill would require the department, in consultation with the state board, to provide assistance to local jurisdictions, including, but not limited to, any funding appropriated by the Legislature in the annual Budget Act, for purposes of assisting local agencies to comply with these provisions, including any regulations adopted by the department.		A. Priority Support/Oppose
SB 230	Portantino D	State Water Resources Control Board: Constituents of Emerging Concern in Drinking Water Program.	1/26/2022-Read third time. Passed. (Ayes 37. Noes 0.) Ordered to the Assembly.	1/26/2022-A. DESK	Would require the State Water Resources Control Board to establish, maintain, and direct a dedicated program called the Constituents of Emerging Concern in Drinking Water Program for 5 years 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 for 3 years to review and provide recommendations to the state board on CECs for further action, among other duties. The bill would require the state board to provide a final report to the Legislature by June 1, 2026, on the work conducted by the panel.	Support	A. Priority Support/Oppose
SB 832	Dodd D	Water rights: measurement of diversion.	1/19/2022-Referred to Com. on N.R. & W.	1/19/2022-S. N.R. & W.	Current law requires a person who diverts 10 acre-feet or more of water per year under a permit or license to install and maintain a device or employ a method capable of measuring the rate of direct diversion, rate of collection to storage, and rate of withdrawal or release from storage. Current law requires the measurements to be made using the best available technologies and best professional practices using a device or	Watch	B. Watch

					<p>methods satisfactory to the State Water Resources Control Board, as specified in regulations adopted by the state board. Current law requires a permittee or licensee to maintain a record of all diversion monitoring, as provided, and to include those records with annual reports required to be submitted to the state board. Current law authorizes the state board to modify these requirements if the state board finds that strict compliance with these requirements is infeasible, is unreasonably expensive, would unreasonably affect public trust uses, or would result in the waste or unreasonable use of water, or that the need for monitoring and reporting is adequately addressed by other conditions of the permit or license. This bill would clarify existing law that a person diverting 10 acre-feet or more of water per year under a registration is subject to these water diversion measurement, recording, and reporting requirements.</p>		
<p>Total Measures: 3</p> <p>Total Tracking Forms: 3</p>							

**Metropolitan Water District of Southern California
State Legislative Matrix
January 10, 2022 – Second Year of Legislative Session**

Item No. 3e

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
Metropolitan-sponsored bills	SB 230 Portantino (D) Sponsors: Metropolitan and the California Municipal Utilities Association (CMUA)	Amended 1/3/2022 Senate Appropriations Committee Two-year bill	State Water Resources Control Board: Constituents of Emerging Concern Program Seeks to create a statewide program to identify and evaluate Constituents of Emerging Concern (CECs) in drinking water sources.	CO-SPONSOR Based on October 2019 Board Action	Metropolitan and CMUA 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. The amendments modify the duration of the program to five years, exclude PFAS from the program of review and require the State Water Board to present a final report to the Legislature.
Drinking Water	AB 588 Garcia, E. (D) Sponsors: Association of California Water Agencies California Association of Mutual Water Companies	Amended 3/30/2021 Assembly Environmental Safety and Toxics Committee Two-year bill	California Safe Drinking Water Act: compliance Would allow the State Water Resources Control Board to approve a compliance period of not less than 30 days and no more than 6 months for new primary drinking water standards and would allow an additional 12 months on a case-by- case basis.	SUPPORT Based upon Board-adopted 2021 State Legislative Priorities and Principles	The bill would create flexibility for water agencies to comply with new primary drinking water standards. Metropolitan supports granting more time to comply if a contaminant requires extensive treatment and capital investments. Large water agencies with adequate resources may be able to comply sooner with new MCLs, but smaller systems may need longer lead times to invest in routine monitoring and treatment. Water agencies granted longer compliance periods would have to report on progress.

Metropolitan Water District of Southern California
State Legislative Matrix
January 10, 2022 – Second 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	Amended 4/13/2021 Assembly Appropriations Committee Two-year bill	Water quality: impaired waters Would require the State Water Resources Control Board and Regional Water Quality Control Boards to evaluate impaired surface waters and report to the Legislature a plan to bring them in to attainment by January 1, 2050. Requires by January 1, 2023 the State Water Board and Regional Boards prioritize enforcement of surface water quality standards and creates the Waterway Recovery Account to provide funding to bring impaired surface water segments into compliance	WATCH Based upon Board-adopted 2021 State Legislative Priorities and Principles	The April 13 amendment substantively revised the bill. The blanket prohibitions on the issuance of new, renewed, or remodified NPDES waivers, waste discharge requirements, and permits with best management practices have been removed. There is still language with provisions pertaining to new enforcement procedures for discharges that are “causing or contributing to an exceedance of water quality standard in a surface water of the state.” However, it is too early to assess how, or if, the State and Regional boards will take enforcement action on low-threat drinking water discharges to bring “all water segments” into attainment by the 2050 target date.
Water Governance and Funding	AB 1195 C. Garcia (D) Sponsor: Author	Amended 5/24/2021 Senate Natural Resources and Water Committee Two-year bill	Drinking water. Requires the State Water Resources Control Board (State Water Board) to appoint a commissioner to implement the Safe and Affordable Fund for Equity and Resilience Program (SAFER Program) in Southern Los Angeles County.	OPPOSE UNLESS AMENDED Based upon May 2021 Board Action	Seeks to address the needs of public water systems in Southern Los Angeles County struggling to provide safe and affordable retail water. The May 24 amendments limit the role of the commissioner to focus on implementation of the SAFER Program and create a pilot program with Los Angeles County LAFCO to extend service or consolidate struggling systems. Metropolitan is seeking additional amendments to further clarify the role of the commissioner; strike a provision that grants the commissioner the authority to

Metropolitan Water District of Southern California
State Legislative Matrix
January 10, 2022 – Second Year of Legislative Session

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
					audit public water systems and bypass the public process created by the Legislature; and strike a section that would grant the State Water Board jurisdiction over decisions to transfer or abandon groundwater rights.
Delta/State Water Project	AB 979 Frazier (D) Sponsor: Author	Amended 4/13/2021 Assembly Appropriations Committee Two-year bill	Sacramento-San Joaquin Delta: projects: sea level rise analysis report Requires a local or state agency and private developers undertaking a project in the San Joaquin-Sacramento Delta to complete and submit to the Delta Stewardship Council, Delta Protection Commission and Legislature a report that analyzes the impact of sea-level rise (SLR) on the project.	OPPOSE Based upon Board-adopted 2021 State Legislative Priorities and Principles	The bill as amended on April 13, 2020 would apply to Metropolitan as owners of Delta islands and the Department of Water Resources as operator of the State Water Project. A SLR analysis be required using Ocean Protection Council scenarios from a 2018 guidance document including one projecting an additional 22 feet of rise at the Golden Gate bridge. It could add significant costs and delays to Delta levees or habitat restoration projects including the DCP, an action covered under the Delta Reform Plan. Any updates to the plan already require the Delta Stewardship Council to consider sea level rise.
Water/Energy Nexus	AB 1161 E. Garcia (D) Sponsor: Author	Amended 4/13/2021 Assembly Utilities and Energy Committee	Electricity: eligible renewable energy and zero-carbon resources: state agencies: procurement Requires the Department of Water Resources (DWR) to procure newly eligible renewable energy resources	OPPOSE Based upon Board-adopted 2021 State Legislative	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 burden of procuring renewable and carbon-free resources and associated storage onto DWR. Procuring energy for

Metropolitan Water District of Southern California
State Legislative Matrix
January 10, 2022 – Second Year of Legislative Session

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
		Two-year bill	or zero-carbon resources, and associated energy storage, for state agencies to satisfy their 100% renewable energy goals by December 31, 2030.	Priorities and Principles	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.
Water Bond Infrastructure Funding	AB 1500 Garcia, E. (D) and Mullin (D) Sponsor: Author	Amended 5/11/2021 Assembly Rules Committee Two-year bill	Safe Drinking Water, Wildlife Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022 Places a \$ 7.080 billion wildfire and water bond on the June 2022 primary election ballot for voter approval.	SUPPORT AND SEEK AMENDMENTS Based upon Board adopted 2021 State Legislative Priorities and Principles and Board action on AB 3256 (Garcia, 2020) 06/09/2020	Would provide funding for safe drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, and workforce development programs. Metropolitan is seeking amendments to ensure adequate funding for recycled water projects, water quality monitoring and treatment, and subsidence repairs to conveyance infrastructure projects.

Metropolitan Water District of Southern California
State Legislative Matrix
January 10, 2022 – Second Year of Legislative Session

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
Water Bond Infrastructure Funding	SB 45 Portantino (D) Sponsor: Author	Amended 1/3/2022 Senate Gut and Amend	Short-lived climate pollutants: organic waste education goals: local jurisdiction assistance Provides the Department of Resources and Recycling Recovery, in consultation with the State Air Resources Board (ARB), with the ability to assist local jurisdictions to comply with organic waste reduction objectives.	UNDER STAFF REVIEW	This measure will further enhance current efforts by the Department to help reduce organic waste consistent with the goals established by the ARB for 2020 and 2025.
Water Bond Infrastructure Funding	SB 559 Hurtado (D) Sponsors: Friant Water Authority, San Luis & Delta Mendota Water Authority, and State Water Contractors	Amended 8/30/2021 Senate Inactive File Two-year bill	Department of Water Resources: water conveyance systems: Canal Conveyance Capacity Restoration Fund Establishes the Canal Conveyance Capacity Restoration Fund that would upon appropriation provide up to \$785 million in funding for the Department of Water Resources (DWR) 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.	WATCH Based upon Board adopted 2021 State Legislative Priorities and Principles	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 of the cost to restore the capacity of the canals. A federal companion bill is envisioned that would provide one-third the cost and local partners would contribute the remaining one-third of the cost. The creation of the Fund is contingent upon all the following:

**Metropolitan Water District of Southern California
State Legislative Matrix
January 10, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
					an appropriation of funds; an agreement is executed to provide for local cost share; and the provision of adequate cost share as determined by the DWR Director. The August 8 Assembly Amendments are problematic causing the State Water Contractors and Metropolitan to withdraw support for the bill.
Innovation	SB 351 Caballero (D) Sponsor: California Municipal Utilities Association	Amended 4/20/2021 Senate Appropriations Committee Two-year bill	Water Innovation Act of 2021 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.	SUPPORT Based upon Board adopted 2021 State Legislative Priorities and Principles	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 innovation in order to recommend regulatory reforms.
Governance	AB 703 B. Rubio (D) Sponsor:	Amended 04/29/2021 Assembly Local Government Two-year bill	Open meetings: local agencies: teleconferences Amends the Ralph M. Brown Act to allow a local agency to use teleconferencing and removes certain noticing provisions for each	SUPPORT Based upon Board Action on 3/9/2021	Metropolitan currently hosts teleconferencing public meetings in accordance with Executive Order, N-29-20. AB 703 allows the option to hold teleconferenced meetings into the future after the COVID-19 public health emergency is over and the Executive

**Metropolitan Water District of Southern California
State Legislative Matrix
January 10, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
	Three Valleys Municipal Water District		teleconferencing location, requires the local agency to allow all members of the public to observe the meeting and address the legislative body in person and remotely by teleconference or internet option, and requires a quorum of members participate in person from a location noticed in the meeting agenda.		Order is lifted as long as a quorum of the Board's directors participate in person, give notice and post agendas as prescribed, and the public can address the Board in person or by teleconference.



STAFF REPORT

To: Board of Directors **Meeting Date:** February 24, 2022
From: Sherri Seitz, Public Relations / Emergency Preparedness Administrator
Subject: Public Education and Outreach Report

Bill Message:

Customer February/March bill message:

Calling all Orange County students grades Pre-K through 12th grade! Enter the Water Awareness Poster Contest! Theme is OC is Water Smart. For details and contest rules, please visit: <https://etwd.com/water-education/> or <https://www.mwdoc.com/news-and-events/events/water-awareness-poster-contest/>

Newsletter

The next ETWD newsletter is scheduled to be distributed in April. Topics to include water conditions and conservation efforts, CAG interest information, highlighted plant, Calscape.org information, Oso Lift Station project highlight, introduce new staff, and checking for leaks.

Laguna Woods Village Television:

Director Mike Gaskins interviewed with Lisa Hart on January 31st, 2022. He discussed how ETWD is prepared for emergencies and what residents can do at home. Vice President Havens is scheduled for an interview with Lisa Hart on March 11, 2022. She will discuss how ETWD scrubs the water clean in regards to recycled water and how it has benefited the Laguna Woods Village residents.

OC Streams of Hope Public Arts Campaign

ETWD is partnering with MWDOC and the Wyland Foundation in celebrating Earth Month through this community art project. The campaign is focused on action and awareness to reduce waterway pollution and promote good water stewardship. Wyland designed the

Stella Baby Gray Whale Statuette Kit that participating artists or art group can paint focusing on the campaign theme. The completed Stellas will be placed in high-profile locations throughout Orange County determined by the sponsoring city or water agency and project partners. MWDOC will coordinate with ETWD to promote the program to artists in the ETWD service area. Artists and local art groups will be selected based on their statements of purpose and samples. MWDOC is sponsoring approximately half of the cost of the statuette in each participating city or water agency's service area. ETWD would sponsor the remaining half or \$200-\$500. Currently, MWDOC has a budget of \$10,000 and would cover the whole amount due to the number of agencies participating. If more agencies participate, ETWD would then sponsor the remaining half. If a group is selected from ETWD's service area, the statuette would then come back to the District to display as it wishes.

MWDOC, Metropolitan Water District and the Orange County Department of Education Inside the Outdoors will sponsor the Stella Whale art kits open to all Orange County high school student groups. Participating schools will display the completed Stella on their campus throughout April.



STAFF REPORT

To: Board of Directors **Meeting Date:** February 24, 2022

From: Sherri Seitz, Public Relations / Emergency Preparedness Administrator

Subject: Water Use Efficiency Report

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 ETWD customer device rebates available to customers from July/August 2021 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.

Residential Rebate Programs:

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			\$2
Smart Irrigation Timer	\$80	\$100	\$70	\$250
Turf Removal Program (up to 5,000 sq ft)*	\$2 sq. ft.	\$1 sq. ft.	\$1 sq. ft.	\$4 sq. ft.
Soil Moisture Sensor System <1 Acre >1 Acre	\$80 \$35/station	\$100	\$70	\$250 \$35/station

Water Use Efficiency Report

Page 2

Hose Bib Irrigation Controller	\$35			\$35
Rain Barrels	\$35		\$15	\$50
Cisterns				
(200 -500 gallon)	\$250			\$250
(501-999 gallon)	\$300			\$300
(1,000 gallon or more)	\$350			\$350
Spray to Drip Irrigation (up to 5,000 sf of converted area per fiscal year)		\$0.50 sq. ft.		\$0.50 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.

Commercial Rebate Programs:

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			\$2
Rotating Nozzles – Large Rotary	\$13			\$13
Turf Removal Program (up to 50,000 sq ft MET-MWDOC/up to 10,000 sq. ft. ETWD funding)*	\$2 sq. ft.*	\$1 sq. ft.	\$1 sq. ft.	\$4 sq. ft.*
Spray to Drip Irrigation (up to 45,000 sq. ft)		\$0.50 sq. ft.		\$0.50 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.

Actual Customer Rebate and Budget Analysis:

The following ETWD supplemental rebates are in addition to the Metropolitan Water District device rebates and the Municipal Water District of Orange County turf removal program that have been paid.

Device December 2021	Total # Rebates Paid	ETWD Supplemental Amount	Budget 21/22	ETWD Supplemental Rebate Total
High Efficiency Clothes Washer	1	\$115	\$9,200	\$575
Premium High Efficiency Toilet	0	\$60	\$3,000	\$0
Smart Irrigation Timer/Soil Moisture Sensor System	0	\$75	\$2,100	\$0
Rain Barrels Cisterns	0	\$15	\$225	\$0
Total			\$14,525	\$575

Turf Removal Program December 2021	Total sq.ft. Paid	ETWD Supplemental Amount	Budget 21/22	ETWD Supplemental Rebate Total
Turf Removal Residential	0	\$1 sq. ft.	\$10,000	\$0

Water Use Efficiency Plan Update:

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 January 2022, year-to-date sales, residential accounted for 63% of the overall Tier 3 usage and dedicated irrigation accounted for 51% of Tier 4 usage.](#)

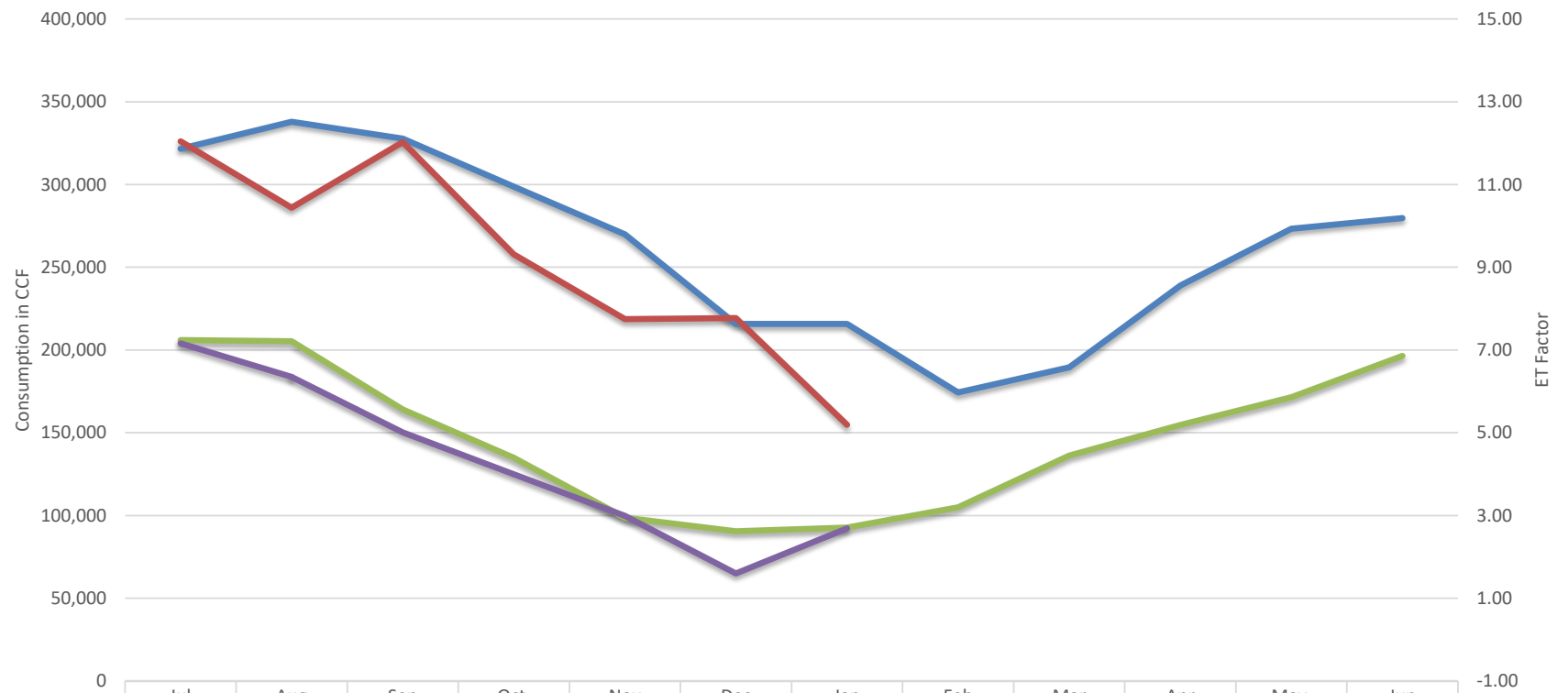
Total Consumption Comparison to Evapotranspiration (ET) Factor::

Included in this month's Water Use Efficiency 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 decreased 0.74% from January 2021 when compared to January 2022. There was a 28% decrease in consumption reflected in January 2022.](#)

**MWDOC Water Use Efficiency Program Savings and Implementation Report/ETWD
Water Use Efficiency Program Savings Report:**

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

Total Consumption Comparison



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 2020-2021	321,599	337,881	327,731	298,688	269,822	215,708	215,719	174,359	189,493	239,022	273,284	279,630
FY 2021-2022	326,076	285,955	325,642	257,784	218,693	219,231	154,838					
FY 20/21 ET	7.24	7.21	5.56	4.40	2.95	2.62	2.71	3.20	4.45	5.19	5.86	6.86
FY 21/22 ET	7.16	6.35	5.01	4.00	2.99	1.60	2.69					
%	101%	85%	99%	86%	81%	102%	72%					

El Toro Water District Water Use Efficiency Program Savings

Program	Program Start Year	Program/Total Years	Avoided Water Use Acre Feet/Annual	Avoided Water Use Million Gallons/Annual	Avoided Water Costs Based on MWDOC Rate (\$2.16 CCF) Annual
High Efficiency Toilet (HET)	2005	16	54.68	17.82	\$51,459
High Efficiency Clothes Washers--Residential	2001	20	27.32	8.90	\$25,711
*SoCal Water Smart Commercial Plumbing Fixtures Rebate Program (ULFT's, HET's, Urinals, HECW, Cooling Tower Conductivity Controllers)	2002	19	53.63	17.48	\$50,471
SmarTimer Program--Irrigation Timers	2004	17	190.46	62.07	\$179,242
Rotating Nozzles Rebate Program	2007	14	147.36	48.02	\$138,681
Turf Removal Program	2010	11	62.83	20.48	\$59,129
Rain Barrels	2013	8	0.18	0.06	\$169
Spray to Drip	2013	8	4.89	1.59	\$4,602
**Water Smart Landscape Program - Ended 2016	1997	20	242.90	79.16	\$228,594
Synthetic Turf Rebate Program-Ended 2011	2007	8	0.90	0.29	\$847
***Ultra Low Flush Toilets (ULFT)--Ended 2009	1992	16	193.20	58.00	\$167,487
Computer Controlled Irrigation System--Gate 11--Ended 2006	2001	6	8.88	2.89	\$8,357
Totals			987.2	321.7	\$929,084

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

** Formerly the Landscape Performance Certification Program

*** Correction on date and total

Because of our participation in Water Use Efficiency Programs, the District will not be using an estimated 321.7 million gallons of water per year.

Orange County

Water Use Efficiency Programs Savings and Implementation Report

Retrofits and Acre-Feet Water Savings for Program Activity

Program	Program Start Date	Retrofits Installed in	Month Indicated		Current Fiscal Year		Overall Program		
			Interventions	Water Savings	Interventions	Water Savings	Interventions	Annual Water Savings[4]	Cumulative Water Savings[4]
High Efficiency Clothes Washer Program	2002	December-21	263	9.35	1,104	45.17	125,483	4,116	42,877
High Efficiency Toilet (HET) Program	2005	December-21	8	0.03	180	7.66	60,803	2,247	27,034
Flow Monitoring Devices (FMD) Program	2021	December-21	4	0.22	5	0.28	5	0.25	0.28
Commercial Plumbing Fixture Rebate Program	2002	December-21	1	0.01	489	9.05	111,403	5,295	66,239
Industrial Process/Water Savings Incentive Program (WSIP)	2006	January-22	1	6.96	1	4.06	39	1,291	6,342
Turf Removal Program ^[3]	2010	December-21	19,525	0.22	137,918	-0.60	23,695,247	3,318	22,225
Spray-to-Drip Program ^[3]	2013	January-22	82,095	0.75	139,025	3.34	1,541,989	209	795
Smart Timer Program - Irrigation Timers	2004	January-22	50	0.43	1,226	79.74	32,380	9,467	73,506
Rotating Nozzles Rebate Program	2007	January-22	0	0.00	1,193	3.96	571,862	2,793	28,004
Rain Barrels Rebate Program	2013	December-21	15	0.03	46	0.11	8,642	16	113
Recycled Water Retrofit	2015	January-22	0	0.00	4	7.95	182	3,687	18,868
Water Smart Landscape Program [1]	1997						12,677	10,621	72,668
Home Water Certification Program	2013						312	7,339	15,266
Synthetic Turf Rebate Program	2007						685,438	96	469
Ultra-Low-Flush-Toilet Programs ^[2]	1992						363,926	13,452	162,561
Home Water Surveys ^[2]	1995						11,867	160	1,708
Showerhead Replacements ^[2]	1991						270,604	1,667	19,083
Total Water Savings All Programs				18	281,191	161	27,492,859	58,445	542,493

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

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

⁽³⁾ Turf Removal and Spray-to-Drip Interventions are listed as square feet.

⁽⁴⁾ Cumulative Water Savings represents both active program savings and net savings realized due to plumbing code changes over time.

HIGH EFFICIENCY CLOTHES WASHERS INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 01/02	FY 02/03	FY03/04	FY 04/05	FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total	Current FY Water Savings Ac/Ft (Cumulative)	Cumulative Water Savings across all Fiscal Years	15 yr. Lifecycle Savings Ac/Ft
Brea	17	107	178	132	143	132	175	156	42	186	144	93	115	114	76	57	55	53	36	50	14	2,075	0.60	645.96	1,074
Buena Park	9	45	88	81	84	85	114	146	59	230	145	105	106	91	76	54	50	45	28	56	24	1,721	0.93	551.60	890
East Orange	3	8	20	20	11	18	22	17	3	23	10	10	8	8	8	3	1	6	2	2	2	205	0.08	66.59	106
El Toro	21	88	108	103	83	91	113	130	32	162	112	134	121	111	65	47	50	40	29	41	14	1,695	0.61	546.30	877
Fountain Valley	36	127	209	196	178	205	219	243	72	289	158	115	102	110	76	65	48	39	34	36	7	2,564	0.28	869.33	1,327
Garden Grove	39	173	278	243	243	238	304	332	101	481	236	190	162	165	251	127	87	69	62	102	39	3,922	1.49	1,264.55	2,029
Golden State	37	195	339	374	342	339	401	447	168	583	485	265	283	359	260	138	156	92	94	141	51	5,549	2.14	1,824.40	2,871
Huntington Beach	114	486	857	738	680	761	750	751	211	963	582	334	295	319	225	180	139	92	113	164	40	8,794	1.70	2,901.08	4,550
Irvine Ranch	159	626	1,087	1,093	1,445	1,976	2,060	1,844	1,394	2,621	2,170	1,763	1,664	1,882	1,521	1,369	1,194	882	480	505	247	27,982	10.25	9,224.49	14,479
La Habra	8	40	86	81	66	96	136	83	22	179	128	82	114	87	66	53	48	48	45	65	20	1,553	0.82	477.95	804
La Palma	3	5	13	21	18	33	35	51	25	76	46	34	25	34	29	10	14	7	12	7	5	503	0.20	176.52	260
Laguna Beach	17	88	119	84	68	57	77	77	27	96	57	38	37	39	32	19	20	18	16	25	9	1,020	0.39	310.48	528
Mesa Water	24	117	228	240	212	239	249	246	73	232	176	114	86	89	113	79	53	38	41	99	20	2,768	0.84	912.42	1,432
Moulton Niguel	158	630	841	640	570	652	716	742	250	1,127	679	442	421	790	688	574	524	356	295	422	128	11,645	5.47	3,475.98	6,025
Newport Beach	17	144	343	277	243	245	270	259	57	197	142	116	92	95	66	61	51	41	26	35	14	2,791	0.58	863.31	1,444
Orange	58	247	304	358	330	366	365	403	111	349	262	218	163	160	124	80	73	55	59	90	29	4,204	1.17	1,483.47	2,175
San Juan Capistrano	16	95	120	107	102	109	103	127	43	190	110	76	73	92	63	33	32	23	26	35	5	1,580	0.24	523.65	818
San Clemente	32	182	235	170	136	204	261	278	63	333	206	140	94	141	75	70	83	62	61	73	30	2,929	1.22	945.04	1,516
Santa Margarita	140	510	743	573	592	654	683	740	257	1,105	679	553	662	792	466	367	271	212	248	307	96	10,650	4.01	3,339.58	5,511
Santiago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	-
Seal Beach	13	28	57	39	46	47	46	57	7	81	51	31	29	38	23	9	17	8	21	14	5	667	0.21	210.38	345
Serrano	9	16	54	39	39	30	31	23	7	21	20	13	10	26	8	11	8	2	7	4	2	380	0.09	108.78	197
South Coast	35	138	165	97	103	107	130	148	43	183	112	89	79	68	43	44	36	28	30	29	18	1,725	0.73	551.05	893
Trabuco Canyon	10	63	76	58	44	69	60	62	28	82	62	30	45	47	34	28	22	13	12	13	7	865	0.31	277.37	448
Tustin	21	89	152	138	127	152	146	144	45	174	97	78	59	80	66	44	48	34	29	64	16	1,803	0.62	579.65	933
Westminster	37	159	235	196	186	213	171	233	74	329	208	121	82	109	149	84	65	45	35	79	18	2,828	0.69	910.88	1,463
Yorba Linda	36	214	342	355	333	288	350	367	117	394	273	181	167	156	123	55	66	43	61	75	25	4,021	1.01	1,363.33	2,081
MWDOC Totals	1,069	4,620	7,277	6,453	6,424	7,406	7,987	8,106	3,331	10,686	7,350	5,365	5,094	6,002	4,726	3,661	3,211	2,351	1,902	2,533	885	106,439	36.69	34,404.13	20,564
Anaheim	917	677	904	1,364	701	854	847	781	860	910	477	331	285	295	266	213	173	135	119	204	63	11,376	2.48	5,402.05	5,886
Fullerton	40	196	369	289	263	269	334	330	69	397	270	200	186	211	165	107	99	113	84	95	32	4,118	1.30	1,729.57	2,131
Santa Ana	15	69	188	269	244	236	235	257	87	355	190	163	131	132	259	141	124	128	49	154	124	3,550	4.70	1,341.60	1,837
Non-MWDOC Totals	972	942	1,461	1,922	1,208	1,359	1,416	1,368	1,016	1,662	937	694	602	638	690	461	396	376	252	453	219	19,044	8.48	8,473.23	3,679
Orange County Totals	2,041	5,562	8,738	8,375	7,632	8,765	9,403	9,474	4,347	12,348	8,287	6,059	5,696	6,640	5,416	4,122	3,607	2,727	2,154	2,986	1,104	125,483	45.17	42,877.35	24,243

HIGH EFFICIENCY TOILETS (HETs) INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	Total	Cumulative Water Savings across all Fiscal Years
Brea	38	146	154	4	6	1	2	1	0	460	175.05
Buena Park	96	153	112	13	3	0	2	2	0	691	303.40
East Orange CWD RZ	13	26	24	0	0	0	2	1	0	89	35.41
El Toro WD	218	869	264	12	6	10	5	2	1	2,061	874.84
Fountain Valley	41	132	220	7	8	1	3	2	1	838	385.50
Garden Grove	63	350	363	7	4	5	3	2	1	1,499	666.30
Golden State WC	142	794	512	9	11	5	7	9	1	2,823	1,237.66
Huntington Beach	163	1,190	628	4	3	4	2	12	3	2,925	1,194.85
Irvine Ranch WD	810	1,777	2,798	638	239	162	66	43	19	17,438	8,253.61
Laguna Beach CWD	45	112	81	1	4	0	2	4	0	398	168.75
La Habra	37	94	83	5	1	0	0	3	0	594	291.57
La Palma	21	59	52	4	2	4	3	0	0	231	95.67
Mesa Water	147	162	162	7	3	3	15	4	0	1,643	859.82
Moulton Niguel WD	400	2,497	1,939	49	38	21	17	20	8	5,794	2,083.27
Newport Beach	49	168	243	11	6	0	0	3	3	737	302.00
Orange	142	978	416	17	10	5	4	6	2	2,206	890.25
San Juan Capistrano	35	140	202	3	9	4	0	0	2	538	208.45
San Clemente	72	225	246	11	6	10	1	5	1	895	370.26
Santa Margarita WD	528	997	1,152	114	33	11	15	28	10	3,406	1,227.11
Seal Beach	17	50	69	-1	0	0	0	0	0	857	531.14
Serrano WD	2	40	55	3	0	3	0	0	0	124	44.64
South Coast WD	102	398	235	11	7	0	0	0	0	1,028	398.05
Trabuco Canyon WD	10	108	169	2	3	2	0	2	2	348	122.83
Tustin	64	132	201	12	10	4	7	5	2	1,534	784.45
Westminster	35	161	359	3	4	0	0	5	0	1,340	631.28
Yorba Linda WD	40	280	379	12	8	2	6	0	0	1,267	550.54
MWDOC Totals	3,330	12,038	11,118	958	424	257	162	159	56	51,764	22,686.71
Anaheim	156	1,188	614	70	19	5	11	11	1	5,912	2,947.47
Fullerton	61	293	286	14	9	8	7	4	1	1,084	452.36
Santa Ana	33	602	293	20	0	4	8	5	1	2,039	947.79
Non-MWDOC Totals	250	2,083	1,193	104	28	17	26	20	3	9,035	4,347.62
Orange County Totals	3,580	14,121	12,311	1,062	452	274	188	179	59	60,799	27,034.33

FLOW MONITORING DEVICES INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 21/22	FY 22/23	Total Program	Cumulative Water Savings across all Fiscal Years
Brea	1	0	1	0.05
Buena Park	0	0	0	-
East Orange	0	0	0	-
El Toro	0	0	0	-
Fountain Valley	0	0	0	-
Garden Grove	0	0	0	-
Golden State	0	0	0	-
Huntington Beach	0	0	0	-
Irvine Ranch	1	0	1	0.05
La Habra	0	0	0	-
La Palma	0	0	0	-
Laguna Beach	0	0	0	-
Mesa Water	0	0	0	-
Moulton Niguel	0	0	0	-
Newport Beach	0	0	0	-
Orange	0	0	0	-
San Juan Capistrano	0	0	0	-
San Clemente	0	0	0	-
Santa Margarita	2	0	2	0.11
Seal Beach	0	0	0	-
Serrano	0	0	0	-
South Coast	0	0	0	-
Trabuco Canyon	0	0	0	-
Tustin	0	0	0	-
Westminster	0	0	0	-
Yorba Linda	0	0	0	-
MWDOC Totals	4	0	4	0.22

Anaheim	0	0	0	-
Fullerton	1	0	1	0.06
Santa Ana	0	0	0	-
Non-MWDOC Totals	1	0	1	0.06

Orange County Totals	5	0	5	0.28
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COMMERCIAL PLUMBING FIXTURES INSTALLED BY AGENCY^[1]
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Totals	Cumulative Water Savings across all Fiscal Years
Brea	0	10	91	734	242	0	74	154	0	1,835	847
Buena Park	23	56	591	133	49	0	94	0	0	2,632	1,803
East Orange CWD RZ	0	0	0	0	0	0	0	0	0	0	0
El Toro WD	212	6	268	35	737	717	0	0	0	2,516	1,019
Fountain Valley	0	1	249	0	895	0	398	0	0	2,165	1,042
Garden Grove	1	167	676	410	0	354	388	0	489	3,193	2,375
Golden State WC	1	0	1,008	53	93	86	80	0	0	3,124	2,874
Huntington Beach	144	7	783	641	10	208	270	0	0	3,442	2,555
Irvine Ranch WD	451	725	11,100	5,958	1,599	1,000	15	2	0	30,482	13,589
La Habra	0	0	340	42	0	0	59	0	0	984	848
La Palma	0	0	0	509	0	0	0	0	0	675	243
Laguna Beach CWD	27	0	0	0	0	0	0	0	0	446	466
Mesa Water	0	79	661	782	0	110	19	2	0	4,385	3,280
Moulton Niguel WD	0	3	413	281	506	4,392	764	0	0	6,939	2,115
Newport Beach	0	566	0	0	0	1,596	16	0	0	3,446	2,193
Orange	271	81	275	2,851	458	532	383	2	0	6,405	3,064
San Juan Capistrano	14	0	0	0	0	0	0	0	0	260	548
San Clemente	0	1	0	0	0	0	321	0	0	753	574
Santa Margarita WD	0	2	90	743	598	699	0	0	0	2,247	604
Seal Beach	0	0	0	184	278	0	0	0	0	816	657
Serrano WD	0	0	0	0	0	0	0	0	0	0	0
South Coast WD	0	382	0	0	0	0	0	0	0	1,320	851
Trabuco Canyon WD	0	0	0	0	0	0	0	0	0	11	22
Tustin	0	75	358	212	2	408	254	0	0	2,066	1,367
Westminster	28	0	146	177	25	0	252	186	0	1,601	1,514
Yorba Linda	0	0	226	84	338	0	83	0	0	1,016	881
MWDOC Totals	1,172	2,161	17,275	13,829	5,830	10,102	3,470	346	489	82,759	45,330
Anaheim	342	463	3,072	309	1,808	686	592	211	0	17,050	11,016
Fullerton	0	178	476	621	274	384	356	0	0	3,792	2,696
Santa Ana	17	5	1,293	238	582	7	920	66	0	7,312	7,197
Non-MWDOC Totals	359	646	4,841	1,168	2,664	1,077	1,868	277	0	28,154	20,910
Orange County Totals	1,531	2,807	22,116	14,997	8,494	11,179	5,338	623	489	110,913	66,239

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

INDUSTRIAL PROCESS/WATER SAVINGS INCENTIVE PROGRAM

Number of Projects by Agency

Agency	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Overall Program Interventions	Annual Water Savings[1]	Cumulative Water Savings across all Fiscal Years[1]
Brea	0	0	0	0	0	0	0	0	0	0
Buena Park	1	0	0	0	0	0	0	2	54	677
East Orange	0	0	0	0	0	0	0	0	0	0
El Toro	0	0	0	1	0	0	0	1	9	25
Fountain Valley	0	1	0	0	0	0	0	1	23	100
Garden Grove	1	0	0	0	1	0	0	2	7	12
Golden State	0	0	0	0	1	0	0	2	58	131
Huntington Beach	2	0	1	0	0	0	0	6	180	1152
Irvine Ranch	2	1	1	0	0	1	1	12	154	1061
La Habra	1	0	0	0	0	0	0	1	0	2
La Palma	0	0	0	0	0	0	0	0	0	0
Laguna Beach	0	0	0	0	0	0	0	0	0	0
Mesa Water	0	0	0	0	0	0	0	0	0	0
Moulton Niguel	0	0	0	0	0	0	0	0	0	0
Newport Beach	0	0	0	0	0	0	0	1	21	139
Orange	1	2	1	0	0	0	0	5	97	811
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0
San Clemente	0	0	0	0	0	0	0	0	0	0
Santa Margarita	0	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	0	0	0	0	0
Serrano	0	0	0	0	0	0	0	0	0	0
South Coast	1	1	0	0	0	0	0	2	134	582
Trabuco Canyon	0	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0	0
Westminster	0	0	0	1	0	0	0	1	117	254
Yorba Linda	0	0	0	1	0	0	0	1	20	56
MWDOC Totals	9	5	3	3	2	1	1	37	875	5003
Anaheim	0	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	1	0	0	1	282	540
Santa Ana	1	0	0	0	0	0	0	1	135	799
OC Totals	10	5	3	3	3	1	1	39	1291	6342

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

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

TURF REMOVAL BY AGENCY^[1]
through MWDOC and Local Agency Conservation Programs

Agency	FY 16/17		FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		Total Program		Cumulative Water Savings across all Fiscal Years
	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res	Comm.	
Brea	8,354	479	9,853	27,234	3,180	44,733	8,244	0	3,745	0	0	0	240,986	516,940	692.02
Buena Park	3,741	0	4,586	0	1,230	0	7,222	0	2,688	0	0	0	108,264	18,116	111.88
East Orange	0	0	0	0	0	0	0	0	0	0	5,000	0	48,120	0	49.34
El Toro	13,139	48,019	7,273	42,510	12,856	9,895	5,203	21,290	6,320	3,667	630	0	149,368	582,259	691.13
Fountain Valley	3,679	0	8,631	0	5,764	28,700	734	0	4,095	20,921	12,223	0	139,952	62,424	168.09
Garden Grove	11,504	0	4,487	0	0	0	0	0	0	0	0	0	287,921	117,403	435.07
Golden State	0	0	0	0	0	48,595	0	0	0	0	0	0	581,902	394,867	1,020.23
Huntington Beach	9,560	21,534	14,236	6,032	9,539	40,135	10,225	13,193	19,238	1,097	13,390	0	592,110	476,162	1,040.06
Irvine Ranch	231,483	46,725	86,893	61,037	55,346	203,014	23,465	30,267	14,662	18,545	6,607	11,490	1,510,939	3,476,460	4,589.15
La Habra	0	0	3,003	0	1,504	0	6,102	0	6,369	0	0	1,907	80,683	90,019	163.84
La Palma	0	0	0	0	0	0	0	0	0	0	0	0	15,141	59,760	71.71
Laguna Beach	3,059	0	589	0	0	0	1,217	0	0	0	1,425	0	76,887	48,788	131.26
Mesa Water	4,173	77,033	17,373	77,785	3,023	0	16,189	47,075	18,700	1,620	9,552	0	451,638	344,029	668.60
Moulton Niguel	220,749	0	98,271	0	106,574	0	81,778	18,951	38,555	184,371	12,463	25,193	1,781,641	3,043,376	4,581.30
Newport Beach	2,924	0	5,938	6,499	0	90,403	1,294	0	756	8,070	823	494	129,478	547,999	608.66
Orange	12,847	2,366	11,956	0	13,645	1,798	2,190	0	15,343	0	3,501	0	506,230	400,776	907.48
San Clemente	4,267	0	33,083	7,098	6,500	0	6,420	13,719	10,148	50,000	1,727	6,067	422,051	537,990	874.72
San Juan Capistrano	2,624	40,748	0	0	0	0	0	0	0	40,286	0	0	365,415	387,563	794.04
Santa Margarita	17,010	28,094	62,706	25,000	24,616	23,198	11,357	51,999	18,645	39,873	973	0	913,956	1,309,523	2,090.25
Seal Beach	1,234	0	752	0	0	0	996	0	780	3,962	2,572	0	39,900	20,377	56.70
Serrano	5,450	0	555	0	4,000	0	840	0	0	0	0	0	182,940	4,403	180.92
South Coast	14,967	0	13,319	7,806	7,574	0	25,465	50,879	2,817	66,624	1,409	0	360,923	582,890	881.38
Trabuco Canyon	1,465	0	4,788	0	1,536	0	4,752	49,533	1,520	0	5,182	0	75,807	160,245	202.76
Tustin	11,173	0	16,926	0	13,189	6,894	15,343	6,936	15,919	0	11,963	0	387,922	61,329	399.95
Westminster	11,112	0	10,033	0	5,924	0	1,962	0	1,237	0	191	0	116,141	58,533	159.80
Yorba Linda	19,420	0	9,529	3,696	12,590	12,020	7,773	0	1,090	0	3,136	0	534,166	145,403	643.25
MWDOC Totals	613,934	264,998	424,780	264,697	288,590	509,385	238,771	303,842	182,627	439,036	92,767	45,151	10,100,481	13,447,634	22,213.58

Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Fullerton	0	0	0	0	0	0	0	0	0	0	0	0	0	9,214	11.24
Santa Ana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Non-MWDOC Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	9,214	11.24

Orange County Totals	613,934	264,998	424,780	264,697	288,590	509,385	238,771	303,842	182,627	439,036	92,767	45,151	10,100,481	13,456,848	22,225
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[1] Installed device numbers are listed as square feet

SPRAY-TO-DRIP BY AGENCY^[1]
through MWDOD and Local Agency Conservation Programs

Agency	FY 16/17		FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		Total Program		Cumulative Water Savings across all Fiscal Years
	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res	Comm.	
Brea	0	0	325	0	0	0	2,026	0	1,023	0	949	0	5,073	30,833	21.68
Buena Park	0	0	0	0	0	0	0	0	1,589	0	0	0	1,589	3,814	2.94
East Orange	0	0	0	0	0	0	0	0	0	0	5,000	0	5,000	0	0.34
El Toro	0	0	0	11,473	3,084	14,770	0	0	0	4,000	0	0	4,584	68,883	39.15
Fountain Valley	0	0	361	1,429	1,145	19,427	0	0	2,443	0	10,271	0	15,470	20,856	10.39
Garden Grove	0	0	0	0	0	0	0	0	0	0	0	0	2,125	0	2.00
Golden State	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0.87
Huntington Beach	0	0	1,350	0	0	0	1,140	5,309	12,159	0	7,292	0	25,316	14,792	13.57
Irvine Ranch	1,625	0	3,089	0	7,972	63,159	8,879	20,569	20,249	38,048	6,644	4,050	56,083	258,943	141.82
La Habra	0	0	0	0	0	0	0	0	3,021	0	0	0	3,021	0	0.50
La Palma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Laguna Beach	1,500	0	924	0	0	0	0	0	0	0	656	0	5,455	0	3.39
Mesa Water	0	0	2,163	0	2,602	7,547	6,640	0	11,062	0	1,438	0	26,405	12,444	13.72
Moulton Niguel	0	0	0	120,459	0	6,478	0	627	0	0	0	4,670	15,125	330,918	205.43
Newport Beach	0	0	1,600	0	1,495	0	0	0	301	0	457	0	3,853	52,244	35.64
Orange	0	0	0	0	4,732	0	687	0	1,927	0	2,819	0	12,415	13,152	14.19
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0	0	0	2,125	0	1.77
San Clemente	0	0	2,343	8,505	0	0	0	0	5,746	0	3,135	0	12,849	8,505	7.19
Santa Margarita	625	0	5,720	0	1,533	0	2,368	15,344	11,004	0	655	0	66,905	241,355	214.76
Seal Beach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Serrano	875	0	1,554	0	0	0	0	0	0	0	0	0	3,304	0	2.34
South Coast	625	0	0	0	0	0	1,913	30,912	0	1,018	0	69,554	7,413	134,710	37.40
Trabuco Canyon	0	0	0	0	0	0	0	0	1,748	0	0	0	1,748	0	0.16
Tustin	0	0	0	0	5,066	0	958	5,461	9,613	0	9,966	5,305	29,603	10,766	9.40
Westminster	0	0	0	0	463	0	0	0	445	0	0	0	1,783	15,339	10.71
Yorba Linda	0	0	0	4,125	3,652	0	0	0	0	0	250	5,914	6,152	10,039	5.52
MWDOD Totals	5,250	0	19,429	145,991	31,744	111,381	24,611	78,222	82,330	43,066	49,532	89,493	314,396	1,227,593	794.89

Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Fullerton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Santa Ana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Non-MWDOD Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

Orange County Totals	5,250	0	19,429	145,991	31,744	111,381	24,611	78,222	82,330	43,066	49,532	89,493	314,396	1,227,593	795
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[1] Installed device numbers are listed as square feet

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

Agency	FY 13/14		FY 14/15		FY 15/16		FY16/17		FY17/18		FY18/19		FY19/20		FY20/21		FY21/22		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm.	
Brea	4	0	43	6	20	4	31	4	32	0	33	0	31	0	49	0	20	0	276	80	716.67
Buena Park	0	0	4	10	7	4	10	7	15	3	17	7	22	1	28	1	7	0	113	53	266.58
East Orange CWD RZ	0	0	2	0	1	0	11	1	6	0	1	0	1	0	5	0	2	0	38	1	42.94
El Toro WD	11	0	8	9	9	17	33	8	29	4	34	0	21	3	28	1	20	0	227	363	3,237.77
Fountain Valley	4	0	7	10	13	1	33	12	28	12	36	4	41	(2)	38	0	19	4	234	54	325.17
Garden Grove	9	0	10	14	13	11	28	0	27	2	36	3	31	0	23	0	13	0	218	43	288.83
Golden State WC	9	25	39	12	35	16	56	37	88	6	85	15	89	0	79	0	48	0	566	213	1,316.81
Huntington Beach	20	35	19	2	42	12	88	94	70	30	105	65	71	21	75	2	32	8	593	386	1,918.71
Irvine Ranch WD	71	59	67	310	239	207	344	420	416	78	379	105	292	146	1,300	104	204	51	4,156	2,719	17,080.17
La Habra	2	0	4	7	3	1	12	7	8	0	19	3	22	(2)	19	0	9	0	113	45	307.25
La Palma	2	0	2	0	3	2	1	0	5	0	7	0	6	0	14	0	4	0	46	2	14.49
Laguna Beach CWD	71	0	86	0	86	1	27	0	11	0	8	0	15	0	11	0	3	0	545	20	349.16
Mesa Water	15	2	17	28	36	12	149	41	49	0	34	55	31	3	30	2	15	0	477	214	1,222.28
Moulton Niguel WD	40	45	46	95	163	100	236	129	284	33	316	64	279	45	632	78	226	46	2,651	1,067	5,800.75
Newport Beach	168	75	11	9	28	43	30	12	24	0	21	0	11	32	16	12	9	7	1,119	460	3,645.01
Orange	13	9	18	31	51	13	69	10	61	13	93	26	99	15	95	2	32	6	665	227	1,446.65
San Juan Capistrano	6	11	6	19	20	8	22	8	23	5	20	1	24	9	17	0	9	5	315	145	963.02
San Clemente	28	2	28	24	26	3	37	13	38	41	36	0	35	16	36	30	11	38	1,207	499	3,725.02
Santa Margarita WD	64	93	53	321	189	136	326	221	273	220	222	37	223	31	226	176	124	31	2,222	1,867	9,486.98
Seal Beach	1	36	1	12	2	2,446	2	4	5	0	6	31	10	0	6	0	5	0	39	2,533	10,238.29
Serrano WD	0	0	4	0	11	2	4	0	8	0	10	0	9	0	13	0	5	1	83	3	27.55
South Coast WD	8	4	104	73	9	11	7	0	15	2	7	7	14	0	4	3	3	0	321	224	1,640.91
Trabuco Canyon WD	2	0	6	1	16	50	13	3	20	0	33	0	35	0	38	0	12	0	241	157	1,294.78
Tustin	9	1	18	14	33	8	33	23	27	1	37	0	40	0	52	0	18	1	317	82	539.28
Westminster	2	0	13	17	7	1	17	12	22	0	24	0	20	0	17	0	6	0	154	44	304.83
Yorba Linda	12	5	32	2	61	27	72	71	68	10	74	4	111	5	134	9	64	1	789	212	1,329.70
MWDOC Totals	571	402	648	1,026	1,123	3,136	1,691	1,137	1,652	460	1,693	427	1,583	323	2,985	420	920	199	17,725	11,713	67,529.60

Anaheim	9	26	7	52	30	34	87	10	66	0	142	73	111	9	177	20	49	8	789	567	3,785.91
Fullerton	8	0	40	26	32	12	53	7	45	0	77	0	61	8	93	2	31	9	506	218	1,403.93
Santa Ana	7	8	9	27	22	26	15	3	16	0	24	20	19	129	34	0	10	0	185	249	787.00
Non-MWDOC Totals	24	34	56	105	84	72	155	20	127	0	243	93	191	146	304	22	90	17	1480	1034	5,976.83

Orange County Totals	595	436	704	1,131	1,207	3,208	1,846	1,157	1,779	460	1,936	520	1,774	469	3,289	442	1,010	216	19,205	12,747	73,506
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ROTATING NOZZLES INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 16/17			FY 17/18			FY 18/19			FY 19/20			FY 20/21			FY 21/22			Total Program			Cumulative Water Savings across all Fiscal Years
	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	
	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	
Brea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	572	2,749	0	101.41
Buena Park	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	558	173	2,535	1,090.08
East Orange	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	781	0	0	30.00
El Toro	55	242	0	36	0	0	0	0	0	0	0	0	30	0	0	0	0	0	3,435	46,222	890	2,063.05
Fountain Valley	0	0	0	85	0	0	0	283	0	0	0	0	124	0	0	36	0	0	955	283	0	34.54
Garden Grove	55	98	0	52	0	0	0	0	0	72	0	0	0	0	0	0	0	0	1,057	299	0	51.50
Golden State	207	6,008	0	161	-495	0	35	259	0	63	0	0	50	0	0	0	0	0	3,757	11,080	0	468.71
Huntington Beach	149	3,362	0	-37	0	0	0	0	0	65	0	0	80	0	0	0	0	0	3,905	12,526	2,681	1,830.10
Irvine Ranch	335	9,511	0	356	-215	0	72	0	0	157	0	0	566	0	0	432	0	0	48,720	94,346	2,004	6,907.49
La Habra	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	512	1,236	900	484.36
La Palma	0	2,385	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	2,890	0	73.82
Laguna Beach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,139	2,896	0	536.16
Mesa Water	113	0	0	36	0	0	0	0	0	50	0	0	0	0	0	0	0	0	2,116	385	343	266.00
Moulton Niguel	153	5,872	0	893	0	0	713	38	0	687	0	0	355	0	0	265	0	0	14,787	20,553	2,945	2,514.60
Newport Beach	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46,723	21,413	0	2,629.38
Orange	0	0	0	0	0	0	30	0	0	67	0	0	30	0	0	0	0	0	3,297	1,072	0	170.94
San Juan Capistrano	75	123	0	59	0	0	40	1,400	0	58	0	0	0	0	0	0	0	0	5,415	10,489	0	656.16
San Clemente	0	0	0	146	0	0	0	0	0	35	0	0	44	0	0	30	0	0	10,244	7,538	1,343	1,182.81
Santa Margarita	15	0	0	224	0	0	30	0	0	229	0	0	30	0	0	132	0	0	16,810	6,921	611	1,200.54
Seal Beach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	7,852	0	253.87
Serrano	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,405	0	0	139.60
South Coast	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,130	18,870	0	890.74
Trabuco Canyon	0	4,339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,086	5,130	0	236.37
Tustin	65	-341	0	30	0	0	47	0	0	55	0	0	30	0	0	0	0	0	3,533	1,058	0	182.25
Westminster	105	0	0	50	0	0	42	0	0	0	0	0	0	0	0	0	0	0	556	0	0	19.21
Yorba Linda	213	0	0	0	0	0	34	0	0	0	0	0	0	0	0	95	0	0	6,210	4,359	500	657.14
MWDOC Totals	1,556	31,599	0	2,199	-710	0	1,043	1,980	0	###	0	0	1,370	0	0	990	0	0	199,947	280,340	14,752	24,670.83

Anaheim	147	3,953	0	0	0	0	0	0	0	0	0	0	73	0	0	102	0	0	4,195	49,799	105	2,058.74
Fullerton	65	3,034	0	0	0	0	140	0	0	75	0	0	60	0	0	101	0	0	3,286	11,309	1,484	1,048.29
Santa Ana	0	1,106	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	893	5,752	0	225.97
Non-MWDOC Totals	212	8,093	0	0	0	0	140	0	0	109	0	0	133	0	0	203	0	0	8,374	66,860	1,589	3,333.00

Orange County Totals	1,768	39,692	0	2,199	-710	0	###	1,980	0	###	0	0	1,503	0	0	1,193	0	0	208,321	347,200	16,341	28,003.84
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RAIN BARRELS INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Total Program	Cumulativ e Water Savings across all Fiscal Years
Brea	0	15	61	8	2	0	2	1	0	0	89	1.16
Buena Park	5	9	148	24	5	3	2	2	1	0	199	2.53
East Orange	8	8	23	0	0	0	1	4	0	0	44	0.59
El Toro	5	4	78	13	7	6	2	4	1	0	120	1.46
Fountain Valley	8	22	210	136	16	6	1	4	0	0	403	5.10
Garden Grove	16	34	237	38	17	5	11	7	4	0	369	4.70
Golden State	14	43	239	207	11	9	8	10	2	0	543	6.84
Huntington Beach	147	294	700	50	11	6	8	10	4	0	1,230	17.15
Irvine Ranch	21	101	778	82	24	19	9	27	8	0	1,069	13.55
La Habra	12	15	39	4	1	0	2	0	1	0	74	1.01
La Palma	0	0	4	4	0	0	0	0	2	0	10	0.11
Laguna Beach	67	279	85	7	1	1	10	0	3	0	453	6.59
Mesa Water	8	64	229	32	14	8	11	2	4	0	372	4.81
Moulton Niguel	2	74	259	63	12	12	5	2	5	0	434	5.55
Newport Beach	3	4	52	5	5	1	3	2	0	0	75	0.93
Orange	8	41	284	31	15	12	2	2	4	0	399	5.12
San Juan Capistrano	20	70	192	4	3	4	0	2	0	0	295	3.97
San Clemente	7	54	95	6	8	3	0	1	2	0	176	2.35
Santa Margarita	30	29	237	46	9	6	2	6	2	0	367	4.79
Seal Beach	8	20	37	4	2	2	-2	0	0	0	71	1.00
Serrano	0	11	21	8	0	0	0	0	2	0	42	0.55
South Coast	14	97	55	14	3	1	0	0	0	0	184	2.60
Trabuco Canyon	0	11	44	2	1	0	0	1	0	0	59	0.78
Tustin	9	23	175	27	5	5	7	3	0	0	254	3.26
Westminster	5	8	118	63	23	13	16	27	0	0	273	3.03
Yorba Linda	5	20	183	18	0	3	0	4	0	0	233	3.08
MWDOC Totals	422	1,350	4,583	896	195	125	100	121	45	0	7,837	102.62

Anaheim	12	27	235	18	2	8	7	11	1	0	321	4.10
Fullerton	16	13	171	19	0	2	5	4	0	0	230	2.99
Santa Ana	8	46	154	31	2	0	7	6	0	0	254	3.35
Non-MWDOC Totals	36	86	560	68	4	10	19	21	1	0	805	10.44

Orange County Totals	458	1,436	5,143	964	199	135	119	142	46	0	8,642	113.05
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RECYCLED WATER ON-SITE RETROFIT PROGRAM

Number of Projects by Agency

Agency	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	Total	Cumulative Water Savings across all Fiscal Years
Brea	0	0	0	0	0	0	0	0	0	0.00
Buena Park	0	0	0	0	0	0	0	0	0	0.00
East Orange CWD	0	0	0	0	0	0	0	0	0	0.00
El Toro WD	10	14	3	0	0	5	11	4	47	6,139.31
Fountain Valley	0	0	0	0	0	0	0	0	0	0.00
Garden Grove	0	0	0	0	0	0	0	0	0	0.00
Golden State WC	0	0	0	0	0	0	0	0	0	0.00
Huntington Beach	0	0	0	0	0	0	0	0	0	0.00
Irvine Ranch WD	0	3	3	2	1	1	0	0	10	1,380.35
La Habra	0	0	0	0	0	0	0	0	0	0.00
La Palma	0	0	0	0	0	0	0	0	0	0.00
Laguna Beach CWD	0	0	0	0	0	0	0	0	0	0.00
Mesa Water	0	0	0	1	0	0	0	0	1	175.45
Moulton Niguel WD	1	1	37	1	1	1	0	0	42	649.77
Newport Beach	0	0	1	0	0	0	0	0	1	743.38
Orange	0	0	0	0	0	0	0	0	0	0.00
San Juan Capistrano	0	0	0	4	2	0	1	0	7	182.68
San Clemente	1	16	6	0	0	0	0	0	23	4,447.77
Santa Margarita WD	0	17	14	4	0	0	0	0	35	2,503.77
Santiago	0	0	0	0	0	0	0	0	0	0.00
Seal Beach	0	0	0	0	0	0	0	0	0	0.00
Serrano WD	0	0	0	0	0	0	0	0	0	0.00
South Coast WD	0	4	6	1	0	1	2	0	14	1,092.45
Trabuco Canyon WD	0	0	1	0	0	0	0	0	1	1,374.49
Tustin	0	0	0	0	0	0	0	0	0	0.00
Westminster	0	0	0	0	0	0	0	0	0	0.00
Yorba Linda WD	0	0	0	0	0	0	0	0	0	0.00
MWDOC Totals	12	55	71	13	4	8	14	4	181	18,689.41

Anaheim	0	0	0	0	1	0	0	0		178.74
Fullerton	0	0	0	0	0	0	0	0		0.00
Santa Ana	0	0	0	0	0	0	0	0		0.00
Non-MWDOC Totals	0	0	0	0	1	0	0	0	0	178.74

Orange County Totals	12	55	71	13	5	8	14	4	181	18,868.15
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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

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

February 3, 2022
8:30 a.m.

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

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT WWW.SOCWA.COM. 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 FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA OF THE AUTHORITY OFFICE AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE BOARD OF DIRECTORS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE BOARD OF DIRECTORS MEETING ROOM.

FOR MEETING PARTICIPATION:

Join Zoom Meeting
<https://socwa.zoom.us/>

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Passcode: 677739

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Find your local number: <https://socwa.zoom.us/j/81504197408>

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
February 3, 2022

REVISED 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. AB 361 – Allowing for Virtual Meetings – Findings and Approval to continue virtual meetings.....1

ACTION

The staff recommends the Board of Directors approve the findings and actions:

1. The Board hereby FINDS AND DECLARES that it has considered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020, relating to the Covid-19 pandemic;
2. Based on the information provided in this staff report and pursuant to the information and discussion presented in the February 3, 2022, Board meeting, the Board hereby FINDS AND DECLARES that as a result of the Covid-19 pandemic, meeting in person presents imminent risks to the health or safety of attendees, and directly impacts the ability of the members to meet safely in person; and that state and/or local officials continue to impose or recommend measures to promote social distancing;
3. The Board hereby makes these findings and approves for the upcoming 30-day period, February 3, 2022, to March 5, 2022, regular and special meetings of the SOCWA Board and its Standing Committees and Project Committees will continue to be virtual meetings held in accordance with AB 361'S Public Notice and Public Participation requirements.
4. Staff is hereby directed to notice the March 3, 2022, board meeting as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at that meeting so that the Board can at that point in time make a determination regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees.

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
February 3, 2022

PAGE NO

5. CLOSED SESSION

- A. A Closed Session pursuant to Government Code Section § 54957
- Public Employee Performance Evaluation - Title: General Manager
- B. Report out of Closed Session.

6. CONSENT CALENDAR

- A. Minutes of Board of Directors23
1. Board of Directors Regular Meeting of November 4, 2021
 2. Board of Directors Special Meeting of November 4, 2021
 3. Board of Directors of Special Meeting of December 9, 2021

ACTION The Board will be requested to approve subject Minutes.

- B. Minutes of Executive Committee59
- Executive Committee Closed Session Meeting of January 20, 2022

ACTION The Executive Committee will be requested to approve subject Minutes as submitted; and the Board will be requested to receive and file subject Minutes.

- C. Minutes of PC 15 Committee60
1. PC 15 Committee Special Meeting of November 3, 2021
 2. PC 15 Committee Special Meeting of November 15, 2021

ACTION The PC 15 Committee will be requested to approve subject Minutes as submitted; and the Board will be requested to receive and file subject Minutes.

- D. Minutes of Engineering Committee64
1. Engineering Committee Meeting of October 14, 2021
 2. Engineering Committee Meeting of November 18, 2021

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

- E. Operations Reports – November 2021 71
1. Monthly Operations Report
 2. SOCWA Ocean Outfall Discharges by Agency
 3. Beach Ocean Monitoring Report
 4. Recycled Water Report

ACTION The Board will be requested to receive and file the November 2021 Operations Reports.

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
February 3, 2022

PAGE NO

F. Operations Reports – December 2021	110
1. Monthly Operations Report	
2. SOCWA Ocean Outfall Discharges by Agency	
3. Quarterly Report on Key Operational Expenses	
4. Beach Ocean Monitoring Report	
5. Recycled Water Report	
6. Pretreatment Report	

ACTION The Board will be requested to receive and file the December 2021 Operations Reports.

G. Capital Improvement Program Status Report	162
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ACTION Information Item

H. Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2, 15, and 17].....	169
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ACTION The Engineering Committee recommends that the PC-15 Board of Directors approve JR Filanc Change Order 5 for \$19,000.00, Change Order 6 for \$4,833.91, Change Order 7 for \$6,198.46, Change Order 8 for \$3,515.83, Change Order 9 for \$3,525.37, Change Order 10 for \$5,461.87, and Change Order 11 for \$27,903.24 for a total of \$70,438.68 and a revised contract value of \$3,208,123.48 for the PC-15 Export Sludge Force Main Replacement project.

7. ENGINEERING MATTERS

A. Contract Amendment for the J.B. Latham Treatment Plant Package B Geotechnical Services [Project Committee 2]	189
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ACTION The Engineering Committee recommends that the PC-2 Board of Directors approve the contract amendment to Ninyo & Moore in the amount of \$30,000 for a total revised contract amount of \$79,399 for the geotechnical services for the J.B. Latham Package B Project.

B. Addendum No. 2 Award to Tetra Tech for Engineering Design Services for the Effluent Transmission Main Trail Bridge Crossing Project Project Committee 21, Reach D].....	193
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ACTION The Engineering Committee recommends that the PC 21 Reach D Board of Directors approve the Tetra Tech Amendment No. 2 in the amount of \$136,439 for a total revised contract amount of \$503,567 for the final design of the Effluent Transmission Main Trail Bridge Crossing Project.

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
February 3, 2022

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- C. J.B. Latham Treatment Plant Package B – [PC-2], Approval to Release Payment for Change Orders #18 through 34, Olsson Construction [Project Committee 2]206

ACTION The Engineering Committee recommends that the Board of Directors approve issuing payment on Package B Change Orders 18-34 as billed by Olsson (shown on the attached spreadsheet) with the understanding that additional submissions may be forthcoming from Olsson related to the same work.

- D. Engineering Support Services , Dudek Engineering [Project Committees 2, 5, 15, 17, 21 & 24]208

ACTION The Staff recommends that the Board of Directors authorize the General Manager to engage the services of Dudek Engineering as follows:

- JBL Facility Package B support. Services will include ongoing peer review of the construction administration through the end of August 2022. The supporting services will directly assist SOCWA Engineering Department staff. Support needs are estimated at 4 hours per week at a cost of \$48,360.
- CIP Project Engineering Support Assistance PC 5, 15, 17, 21, and 24 in the amount of \$47,500.00 for the following efforts:
 - a. 3220-Package B Liquids
 - b. 3287-Package B Solids
 - c. 56221O-Outfall port cleaning
 - d. 3534-Export Sludge System
 - e. 3745-West Slope Protection Evaluation
 - f. 3747-Southside Plant Flooding Evaluation
 - g. 3105-Air Valve Replacement Design & Permitting
 - h. 3108-Air Valve Replacement Construction
 - i. 3401-Emergency Plan Development
 - j. 3480-Internal Seal Replacement
- Additional management support on engineering matters for the General Manager in the amount of \$24,800.00.

8. GENERAL MANAGER'S REPORTS

- A. Professional Environmental Services214

ACTION Staff recommends that the Board of Directors approve the use of the Denton Mudry Environmental and GIS Services in the amount not to exceed \$30,000 per fiscal year for the term of three years.

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
February 3, 2022

	<u>PAGE NO</u>
B. NPDES Permit Hearings	215
ACTION Informational Item.	
C. Support Services Salt & Nutrient Management Plan.....	218
ACTION	
1. Staff recommends the PC12 Members to approve a budget adjustment not to exceed \$35,000 and authorize the General Manager to engage Ms. Tess Dunham for advisory services.	
2. Staff recommends PC 12 Members to approve a budget adjustment not to exceed \$10,000 and authorize the General Manager to engage Dr. Michael Welch for technical support services.	
D. Onsite Audio Alert Systems for SOCWA Facilities.....	221
ACTION Staff recommends that the Board of Directors award a contract to Enterprise Security, Inc. in the amount not to exceed \$255,164.62 (JBL \$73,058.79 / RTP \$96,342.24 / CTP \$85,763.59).	
E. WEROC Funding for Fiscal Year 2021/2022	223
ACTION Staff recommends that the Board of Directors authorize SOCWA continuing WEROC Membership as follows:	
• FY 2021/22 - \$19,786 (3.8% of Total WEROC Operational Budget Share) – within the current Fiscal Year Budget	
• Anticipated FY 2022/23 - \$20,493.48 (3.8% of Total WEROC Operational Budget Share) – to be included in the Fiscal Year 2022/23 Budget	
F. CASA Climate Change Program Manager Funding Request [Project Committees 2, 15, and 17].....	225
ACTION	
• Staff recommends to establish a budget adjustment for FY 2021-22 in the amount of \$15,000 for the CASA Climate Change Program.	
• Staff recommends to Project Committee 2 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.	

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
February 3, 2022

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- Staff recommends to Project Committee 15 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
 - Staff recommends to Project Committee 17 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
- G. Aptean Tabware Software Renewal for \$38,369.10
[Project Committees 2, 15, and 17].....237
- ACTION Staff recommends that the Board of Directors approve a one-year contract with Aptean for a 1-year renewal amendment for \$38,369.10 for a total contract amount not to exceed \$60,804.10.
- H. CEMTEK Environmental, Inc. 1-Year Service Contract \$31,247
[Project Committee 17]239
- ACTION Staff recommends that the Board of Directors authorize the General Manager to acquire the services of CEMTEK Environmental, Inc. for a 1-year contract to service the cogeneration engine's continuous emission monitoring system (CEMS) for an amount not to exceed \$31,247.00.
- I. Southern California Association of POTW's (SCAP) Update241
- ACTION Information Item.
- J. Consideration of Approval of Unapproved Minutes, Disbursements and Financial Reports245
- Minutes of the Regular Meeting of September 2, 2021
 - **Board requested action is to approve the Minutes**
 - Includes recording of the Board vote on 9/2 to ratify the June 2021 disbursements, which included payments to West Yost
 - Minutes of the Finance Committee of September 21, 2021
 - **Board requested Action is to "receive and file"**
 - Includes the approved recommendation of the Finance Committee to the Board to ratify the July 2021 disbursements
 - Financial Reports for the Month of July 2021
 - **Board requested action is to approve the disbursements and receive and file the reports**
 - Includes disbursements that included West Yost Payments

AGENDA
South Orange County Wastewater Authority
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February 3, 2022

PAGE NO

- Finance Committee previously recommended to the Board to approve the disbursements (at 9/21/21 Fin Com Meeting)
- Financial Reports for the Month of August 2021
 - **Board requested to approve the disbursements and receive and file the reports**
 - Includes disbursements that included West Yost Payments
 - Finance Committee previously recommended to the Board to approve the disbursements (at the 10/19/21 Fin Com Meeting)
- Minutes of the Finance Committee of October 19, 2021
 - **Board requested Action is to “receive and file”**
 - Includes the approved recommendation of the Finance Committee to the Board to ratify the August 2021 disbursements

ACTION: Board discussion and direction.

K. General Counsel’s Updates.....

L. General Manager’s Report 300

ACTION Information Items, Board Discussion and Direction

M. 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.]

N. ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
MARCH 3, 2022

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

**ENGINEERING COMMITTEE
TELECONFERENCE MEETING**

**February 10, 2022
8:30 a.m.**

Join Zoom Meeting by clicking on the link below:

Join Zoom Meeting
<https://socwa.zoom.us/>

Meeting ID: 881 2661 3771
Passcode: 125679

One tap mobile
+16699006833,,88126613771#,,,,*125679# US (San Jose)
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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/kbcKhyDf4V>

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 **February 10, 2022, 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.

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 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 ENGINEERING COMMITTEE IN CONNECTION WITH A MATTER SUBJECT TO 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"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS. 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 January 13, 2022

Recommended Action: Staff recommends the Engineering Committee to approve subject Minutes as submitted.

4. Operations Report

Recommended Action: Information Item.

5. Capital Improvement Construction Projects Report

Recommended Action: Information Item.

**6. J.B. Latham Package B Project Construction and Offsite Impacts Update
[Project Committee 2]**

Recommended Action: Information Item

**7. Sludge Export Construction and Mitigation & Monitoring Plan Update
[Project Committee 15]**

Recommended Action: Information Item

**8. RTP AWT #2 Rehabilitation Project Restart Update
[Project Committee 17]**

Recommended Action: Information Item

9. FY2023-24 Budget through 2026-27 Budget Flows and Solids Projections Update

Recommended Action: Information Item

Adjournment

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

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

Dated this 3rd day of February 2022.



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

**REVISED NOTICE OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

FINANCE COMMITTEE
TELECONFERENCE MEETING**

**February 15, 2022
10:30 a.m.**

Join Zoom Meeting by clicking on the link below:

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

Meeting ID: 850 4034 6224
Passcode: 843033

One tap mobile

+16699006833,,85040346224#,,,,*843033# US (San Jose)
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+1 253 215 8782 US (Tacoma)
+1 929 205 6099 US (New York)
+1 301 715 8592 US (Washington DC)
+1 312 626 6799 US (Chicago)

Find your local number: <https://socwa.zoom.us/j/kbnA0MxX2U>

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee was called to be held by Teleconference on **February 15, 2022**, located at 34156 Del Obispo Street, Dana Point, California.

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 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 FINANCE COMMITTEE IN CONNECTION WITH A MATTER SUBJECT TO 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"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS. IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE FINANCE COMMITTEE LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

AGENDA

1. Call Meeting to Order

2. Public Comments

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

3. Approval of Minutes

- Finance Committee Meeting of November 16, 2021

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

4. Financial Reports for the Month of November 2021

The reports included are as follows:

- a. Summary of Disbursements for November 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)

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors to ratify the November 2021 disbursements, totaling \$1,907,236, for the period from November 1, 2021, through November 30, 2021, and to receive and file the November 2021 Financial Reports as submitted.

5. Financial Reports for the Month of December 2021

The reports included are as follows:

- a. Summary of Disbursements for December 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)

Financial Reports for the Month of December 2021, Continued

- Residual Engineering, after transfer to Capital (Exhibit E-2)
- Administration (Exhibit E-3)
- Information Technology (IT) (Exhibit E-4)
- f. Mid-year Fringe Pool and Fringe Rate Forecast (Exhibit E-5) (No recommended change)

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors to ratify the December 2021 disbursements, totaling \$6,929,879, for the period from December 1, 2021, through December 31, 2021, and to receive and file the December 2021 Financial Reports as submitted.

6. Q2 FY 2021-22 Cash Roll Forward as of December 31, 2021

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors to receive and file the Q2 Fiscal Year 2021-22 Cash Roll Forward as submitted.

7. Uniform Purchasing Policy and Procedure – Proposed Revisions

Recommended Action: Review draft and comment and consideration for recommendation of changes to the SOCWA Board of Directors.

8. Budget Baseline Assumptions and Schedule 2022-23 Fiscal Year – PowerPoint

Recommended Action: Committee discussion and direction to staff.

9. Items for Discussion

Recommended Action: Committee discussion and direction to staff.

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 9th day of February 2022.



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

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
February 2, 2022, 8:30 a.m.

Due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e), MWDOC will be holding this Board and Committee meeting 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 PARTICIPATION/COMMENTS

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

NEXT RESOLUTION NO. 2122

ACTION ITEMS

1. APPROVE CONTINUATION OF REMOTE MEETINGS PURSUANT TO AB 361 AND MAKE REQUIRED FINDINGS

Recommendation: Vote to continue virtual meetings pursuant to AB 361 for an additional 30 days based on the findings that (1) it has reconsidered the circumstances of the state of emergency for COVID-19, and (2)

state and local officials continue to impose or recommend measures to promote social distancing.

2. ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA) REGION 10 CALL FOR CANDIDATES

Recommendation: Discuss and determine if a member of the MWDOC Board of Directors would like to be nominated to fill the remainder of the 2022-2023 term for the ACWA Region 10 Board of Directors, and if so, nominate that Board member to serve on the ACWA Region 10 Board of Directors, and authorize staff to submit the necessary paperwork.

PRESENTATION/DISCUSSION ITEMS

3. LEGISLATIVE ACTIVITIES

- a. Federal Legislative Report (NRR)
- b. State Legislative Report (BBK)
- c. Legal and Regulatory Report (Ackerman)
- d. MWDOC Legislative Matrix
- e. Metropolitan Legislative Matrix

Recommendation: Review and discuss the information presented.

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

Recommendation: Receive input and discuss the information presented.

5. REPORT REGARDING METROPOLITAN'S SEISMIC EFFORTS

Recommendation: Review and discuss the information presented.

INFORMATION ITEMS

6. WATER SUPPLY CONDITIONS UPDATE

Recommendation: Review and discuss the information presented.

7. 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 Integrated Resources Plan Update
- 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.

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

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

Recommendation: Review and discuss the information presented.

ADJOURNMENT

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

MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
February 9, 2022, 8:30 a.m.

Due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e), MWDOC will be holding this Board and Committee meeting by Zoom Webinar and will be available by either computer or telephone audio as follows:

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

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

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

Webinar ID: 882 866 5300#

A&F Committee:

Director Seckel, Chair
Director Thomas
Director Dick

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

Ex Officio Member: Director Yoo Schneider

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>.

PRESENTATION ITEM

1. GRANTS TRACKING AND ACQUISITION PROGRAM UPDATE BY SOTO RESOURCES

PROPOSED BOARD CONSENT CALENDAR ITEMS

2. **TREASURER'S REPORT**
 - a. Revenue/Cash Receipt Report – January 2022
 - b. Disbursement Approval Report for the month of February 2022
 - c. Disbursement Ratification Report for the month of January 2022
 - d. GM Approved Disbursement Report for the month of January 2022
 - e. Consolidated Summary of Cash and Investment – December 2021
 - f. OPEB and Pension Trust Fund monthly statement
3. **FINANCIAL REPORT**
 - a. Combined Financial Statements and Budget Comparative for the Period Ending December 31, 2021
 - b. Quarterly Budget Review

DISCUSSION ITEMS

4. **FY 2022-23 FIRST DRAFT BUDGET**

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

5. **SEMI-ANNUAL DIRECTORS ACTIVITIES REPORT**
6. **SEMI-ANNUAL OVERTIME REPORT**
7. **ANNUAL AUTO ALLOWANCE REPORT**
8. **DEPARTMENT ACTIVITIES REPORTS**
 - a. Administration
 - b. Finance and Information Technology
9. **MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION**

OTHER ITEMS

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

ADJOURNMENT

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

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

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

MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the

PLANNING & OPERATIONS COMMITTEE

February 14, 2022, 8:30 a.m.

Due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e), MWDOC will be holding this Board and Committee meeting 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 Tamaribuchi, Chair
Director McVicker
Director Nederhood

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

Ex Officio Member: Director Yoo Schneider

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.

ROLL CALL

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>.

PRESENTATION ITEM

1. PRESENTATION BY SOUTH COAST WATER DISTRICT REGARDING THE DOHENY DESALINATION PROJECT
2. PRESENTATION REGARDING WUE STANDARDS COMPLIANCE BY FLUME SMART WATER AND SMWD

ACTION ITEMS

3. SOUTH COAST WATER DISTRICT USE OF THE ORANGE COUNTY HYDRAULIC MODEL
4. CONTINUATION OF TEMPORARY ACOUSTIC LEAK DETECTION SURVEYS AND STAFF TRAINING
5. LANDSCAPE DESIGN AND MAINTENANCE ASSISTANCE PROGRAMS

DISCUSSION ITEMS

6. UPDATE ON COVID-19 (ORAL REPORT)

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

7. SOLE SOURCE CONTRACT WITH CLIMATEC REGARDING DOOR SECURITY SYSTEM
8. ADMINISTRATION BUILDING CONSTRUCTION – FINAL UPDATE
9. WATER USAGE REPORT (PERFORMANCE UNDER THE GOVERNOR'S 15% VOLUNTARY REDUCTION)
10. FEBRUARY 23RD WATER POLICY DINNER FEATURING STATE WATER RESOURCES CONTROL BOARD CHAIR, JOAQUIN ESQUIVEL
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

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

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

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

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Fountain Valley, California
February 16, 2022, 8:30 a.m.

Due to the current state of emergency related to the spread of COVID-19 and pursuant to Government Code Section 54953(e), MWDOC will be holding this Board and Committee meeting by Zoom Webinar and will be available by either computer or telephone audio as follows:

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

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

AGENDA

MOMENT OF SILENCE

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

NEXT RESOLUTION NO. 2123**CONSENT CALENDAR (Items 1 to 5)**

(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. January 5, 2022 Workshop Board Meeting
- b. January 13, 2022 Special Board Meeting
- c. January 19, 2022 Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: January 3, 2022
- b. Administration & Finance Committee Meeting: January 12, 2022
- c. Executive Committee Meeting: January 20, 2022
- d. MWDOC/OCWD Joint Planning Committee Meeting: January 26, 2022

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of January 31, 2022
- b. Disbursement Registers (January/February)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of December 31, 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 December 31, 2021
- b. Quarterly Budget Review

Recommendation: Receive and file as presented.

5. APPROVE CONTINUATION OF REMOTE MEETINGS PURSUANT TO AB 361 AND MAKE REQUIRED FINDINGS

Recommendation: Vote to continue virtual meetings pursuant to AB 361 for an additional 30 days based on the findings that (1) it has reconsidered the circumstances of the state of emergency for COVID-19, and (2) state and local officials

continue to impose or recommend measures to promote social distancing.

End Consent Calendar

PUBLIC HEARING

6. HOLD 3rd PUBLIC HEARING AND ADOPT RESOLUTION REGARDING ADJUSTMENT OF MWDOC DIVISION BOUNDARIES PURSUANT TO ELECTIONS CODE FOLLOWING 2020 CENSUS

RES. NO. _____

Recommendation: (1) Open the 3rd Public Hearing regarding MWDOC's division boundary adjustments to receive input from the public; (2) Receive and file presentation from Center for Demographic Research; (3) Receive comments from the public; (4) Discuss proposed mapping Plans 6A, and 7A and select a final map plan; (5) Close Public Hearing; and (6) Adopt final map plan by Resolution.

ACTION CALENDAR

7-1 SOUTH COAST WATER DISTRICT USE OF THE ORANGE COUNTY HYDRAULIC MODEL

Recommendation: Approve two agreements relating to MWDOC member agency use of the Orange County Regional Distribution System Hydraulic Model (OC Hydraulic Model): (1) Approval of a consulting services agreement with Black & Veatch (B&V) through MWDOC's On-Call Technical Services slate in an amount not to exceed \$43,880 for services to complete the scope of work defined by South Coast Water District (SCWD) and B&V; and (2) Authorization for the General Manager to enter into a cost reimbursement agreement with SCWD to reimburse MWDOC for on-call technical services in conjunction with use of the OC Hydraulic Model in a total not to exceed amount of \$43,880 plus a 20% model usage fee of up to \$8,776. The final 20% model usage fee will be determined and billed upon completion of SCWD's use of the OC Hydraulic Model.

7-2 CONTINUATION OF TEMPORARY ACOUSTIC LEAK DETECTION SURVEYS AND STAFF TRAINING

Recommendation: Authorize the General Manager to increase the agreement with Utility Services Associates, LLC. by \$157,000 to perform temporary acoustic leak detection surveys and provide leak detection training for MWDOC's Water Loss Control staff at a total cost not to exceed \$251,200.

7-3 LANDSCAPE DESIGN AND MAINTENANCE ASSISTANCE PROGRAMS

Recommendation: Authorize the General Manager to extend the term of the agreements for the Landscape Design and Landscape Maintenance Assistance Programs to a five-year term ending June 30, 2024, using a combination of state and federal grant awards, Metropolitan Member Agency Administered funding, and member agency contributions.

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

8. GENERAL MANAGER'S REPORT, FEBRUARY 2022 (ORAL AND WRITTEN)

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

9. MWDOC GENERAL INFORMATION ITEMS

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

Recommendation: Receive and file as presented.

ADJOURNMENT

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



MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AGENCIES MANAGERS MEETING

ZOOM LINK:

<https://zoom.us/j/81482372449>

Meeting ID: **814 8237 2449**

Passcode: **563659**

Dial-in option: (669) 900-9128

WHEN: Thursday, February 17, 2022 from **10:30 am to 12:00 pm.**

DRAFT AGENDA

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

Page #/Link

2. General Meeting Information/Discussion Items:

2-1. MWD OC Draft Agendas ([Link](#))

2-2. MWD OC FY2022-23 Budget..... ([Link](#))

2-3. MWD OC Facilitated Discussions Update

2-4. WEROC Update.....([Link](#))

2-5. Engineering Update

2-6. Water Supply Update..... ([Link](#))

2-7. Metropolitan Update

a. Metropolitan FY 2022-23 & 2023-24 Budget.....([Link](#))

b. IRP Update([Link](#))

c. Strategic Priorities.....([Link](#))

3. Report Items:

3-1. Monthly GM Report ([Link](#))

3-2. Legislative Reports ([Link](#))

3-3. WEROC Matrix ([Link](#))

3-4. Grant Funding Opportunities ([Link](#))

4. Announcements:

4-1. MWD OC Policy Dinner([Registration](#))

5. Next meeting will tentatively be held March 17, 2022.

Street Address:
18700 Ward Street
Fountain Valley, California 92708

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

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

Megan Yoo Schneider, P.E.
President

Bob McVicker, P.E., D.WRE
Vice President

Al Nederhood
Director

Larry D. Dick
Director

Karl W. Seckel, P.E.
Director

Sat Tamaribuchi
Director

Jeffrey M. Thomas
Director

Robert J. Hunter
General Manager

MEMBER AGENCIES

City of Brea
City of Buena Park
East Orange County Water District
El Toro Water District
Emerald Bay Service District
City of Fountain Valley
City of Garden Grove
Golden State Water Co.
City of Huntington Beach
Irvine Ranch Water District
Laguna Beach County Water District
City of La Habra
City of La Palma
Mesa Water District
Moulton Niguel Water District
City of Newport Beach
City of Orange
Orange County Water District
City of San Clemente
Santa Margarita Water District
City of Seal Beach
Serrano Water District
South Coast Water District
Trabuco Canyon Water District
City of Tustin
City of Westminster
Yorba Linda Water District

SOUTH ORANGE COUNTY WATERSHED MANAGEMENT AREA MANAGEMENT COMMITTEE

AGENDA

February 7, 2022

1:30 PM – 2:30 PM

[Join Teams Meeting](#)

Call in number: +1 949-543-0845

Access code (PIN): 784 290 439#



- 1. Welcome & Introductions**
- 2. Update: Bacteria TMDL Status**
Grant Sharp, County of Orange
- 3. Update & Discussion: Proposition 1 – Round 2 IRWM Grant**
Jenna Voss, County of Orange/ Committee
 - a) Draft Guidelines and PSP – Potential Comments for DWR
 - b) Potential Grant Schedule
 - c) Project Eligibility Review Ad Hoc
 - d) Streamlined Project Submittal Tool
- 4. MC Member Roundtable**
Committee
- 5. Next Management Committee Meeting: TBD**
Next Executive Committee Meetings: February 24, March 3
- 6. Closing and Adjourn**

Management Committee Membership by Agency

City of Aliso Viejo: Shaun Pelletier	City of San Juan Capistrano: Joe Parco
City of Dana Point: Lisa Zawaski	County of Orange: Grant Sharp*
City of Laguna Beach: Mary Vondrak	El Toro Water District: Dennis Cafferty
City of Laguna Hills: Ken Rosenfield	Irvine Ranch Water District: Mark Tettemer
City of Laguna Niguel: Kathy Nguyen	Moulton Niguel Water District: Rodney Woods
City of Laguna Woods: Rebecca Pennington	Municipal Water District of OC: Charles Busslinger*
City of Lake Forest: Devin Slaven	Santa Margarita Water District: Dan Ferons
City of Mission Viejo: Anastasia Seims	South Coast Water District: Rick Shintaku
City of Rancho Santa Margarita: Hazel McIntosh	South OC Wastewater Authority: Amber Baylor*
City of San Clemente: David Rebensdorf	Trabuco Canyon Water District: Fernando Paludi
San Juan Basin Authority: Norris Brandt	Laguna Beach County Water District: Keith Van Der Maaten

*Regional Water Management Group (RWMG) Representatives

**LOCAL AGENCY FORMATION COMMISSION
OF
ORANGE COUNTY**

REGULAR MEETING AGENDA

**Wednesday, February 9, 2022
8:15 a.m.**

Due to COVID-19, this meeting will be conducted virtually pursuant to the provisions of AB 361 in an effort to protect the safety of the Commission and its constituents. Participation by Commissioners and staff will be from remote locations. Public access and participation will only be available telephonically and electronically. The public may participate by joining the meeting virtually by Zoom or by phone and may provide comments during the meeting as described below:

Instructions for Viewing or Listening to the Meeting:

Members of the public may:

- Join the virtual meeting on Zoom using the following link:
<https://us02web.zoom.us/j/85424322021>.
- Listen to the meeting by calling (669) 900-9128 and enter the Meeting ID: **854 2432 2021**.

Instructions for Making Public Comments:

Members of the public may provide comments during the public comment and specific agenda items by:

- *On Zoom video conference via the Zoom App*, click the “Raise Hand” button when the item you wish to comment on is being discussed.
- *On Zoom via phone*, you can also raise your hand by pressing *9 when the item you wish to comment on is being discussed.

Alternatively, you may submit written general comments or comments on specific agenda items by email to the Commission Clerk at ccarter-benjamin@oclafco.org. Written comments must be received no later than 8:00 a.m. on the meeting day. Written comments shall be subject to the same rules as would otherwise govern speaker comments made electronically or in person at a regular Commission meeting. Public comments submitted in accordance with these guidelines shall become part of the record of the regular Commission meeting. Written public comments received after 8:00 a.m. on the day of the meeting or via text or social media (Facebook, Twitter, etc.) will not be accepted.

The Chair, at his discretion, may reduce the time allowance for public comments if warranted by the volume of public comments received.

1. CALL THE MEETING TO ORDER

2. PLEDGE OF ALLEGIANCE

3. BOARD APPOINTMENT – COMMISSIONER DO

The Commission will receive a report on the recent board appointment made by the Board of Supervisors.

4. ROLL CALL

5. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATIONS
(Communications received after agenda distribution for agendized items.)

6. PUBLIC COMMENT

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

7. CONSENT CALENDAR

a.) January 12, 2022 – Regular Commission Meeting Minutes

The Commission will consider approval of the January 12, 2022 meeting minutes.

8. PUBLIC HEARING

No public hearing items scheduled.

9. COMMISSION DISCUSSION AND ACTION

a.) OC LAFCO Personnel Policies and Procedures Update

The Commission will consider proposed amendments to the Personnel Policies and Procedures.

b.) Legislative Policy and Guidelines

The Commission will consider proposed amendments to the agency's legislative policy and guidelines.

c.) Six-Month Strategic Objectives Update

The Commission will receive a report on strategic objectives completed through February 2022.

d.) 2022 Meeting and Events Calendar

The Commission will consider amending the 2022 Meeting and Events Calendar to reschedule the strategic planning workshop to June 8, 2022.

10. COMMISSIONER COMMENTS

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

11. EXECUTIVE OFFICER'S REPORT

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

12. INFORMATIONAL ITEMS & ANNOUNCEMENTS

a.) OC LAFCO Web-based Programs

The Commission will receive a digital presentation of the agency's Municipal Services Dashboard and Shared Services Program.

13. CLOSED SESSION

No closed session items scheduled.

14. MEETING ADJOURNMENT

The Commission will adjourn to the March 9, 2022 Regular Meeting in person at the Planning Commission Hearing Room, 10 Civic Center Plaza in Santa Ana, or virtually by Zoom, in accordance with AB 361 and LAFCO Resolution No. CP 21-08.

Pursuant to Government Code Section 54957.5, public records that relate to open session agenda items that are distributed to a majority of the Commission less than seventy-two (72) hours prior to the meeting will be made available to the public on the OC LAFCO website at <http://www.oclafco.org>.

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

All regular meeting agendas and associated reports are available at www.oclafco.org. Any person with a disability under the Americans with Disabilities Act (ADA) may receive a copy of the agenda or associated reports upon request. Any person with a disability covered under the ADA may also request a disability-related modification or accommodation, including auxiliary aids or services, to participate in a public meeting. Requests for copies of meeting documents and accommodations shall be made with OC LAFCO staff at (714) 640-5100 at least three business days prior to the respective meeting.

2022 MEETING AND EVENTS CALENDAR

Approved November 10, 2021

2022



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- OC LAFCO Regular Meeting (*begins at 8:15 a.m.*)
Location: Hall of Administration, Planning Commission Hearing Room, 10 Civic Center Plaza, Santa Ana, CA 92701.
- Strategic Planning Workshop (*8:00 a.m. to 2:30 p.m.*)
Location: Santa Ana Police Department, Community Room, 60 Civic Center Plaza, Santa Ana, CA 92701.
- Office closure due to legal holidays and flexible work schedule.
- CALAFCO Annual Conference - October 19 - 21, 2022 at Hyatt Regency Newport Beach John Wayne Airport.



Executive Committee Meeting

Tuesday, February 1, 2022

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.

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

<https://isddoc.specialdistrict.org/>

Executive Committee

President

Hon. Mark Monin
El Toro Water District

1st Vice President

Hon. Arlene Schafer
Costa Mesa Sanitary District

2nd Vice President

Hon. Bob McVicker
*Municipal Water District
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*

Tina Dubuque

*Municipal Water District of Orange
County*

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 January 4, 2022 meeting.

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

IV. New Business – 7:45 am

- Status of MWDOC in-person/hybrid meetings and building facilities for ISDOC Executive and Luncheon Live meetings

V. Old Business – 8:00 am

- Newsletter Update/Discussion

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

- Report of accounts

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

- Receive, discuss and file the CSDA Report

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

- Receive, discuss and file the LAFCO report

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

- Receive, discuss and file the ACWA report

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

- Receive, discuss and file OCCOG report

XI. Orange County Operational Area Report - 8:30 am – Vicki Osborn

- Receive, discuss and file OCOA report

XII. Subcommittee Reports – 8:35 am

- Programs – Director Schafer
- Membership - Director McVicker
- Legislative – Director Jones

XIII. Adjourn – 8:40 am



ISDOC Executive Committee (Virtual Meeting via Zoom)

January 4, 2022

Minutes

I. Welcome

President Mark Monin called the meeting to order at 7:30 a.m. and welcomed all.

Mark Monin, President (ETWD)

Arlene Schafer, 1st Vice President (CMSD)

Bob McVicker, 2nd Vice President (MWDOC)

Brooke Jones, 3rd Vice President (YLWD)

Greg Mills, Secretary (SWD) - Absent

Bill Green, Treasurer (SCWD)

Saundra Jacobs, Immediate Past President (SMWD)

Others Present:

Stacy Taylor, Water Policy Manager (Mesa WD)

Heather Baez, Government Affairs Manager (MWDOC)

Laura Heflin, Administrative Assistant (Serrano WD)

Jim Fisler (Mesa WD)

Paul Mesmer (Surfside Colony Community)

Tina Dubuque (MWDOC)

Stephen Faessel (City of Anaheim)

Kay Havens, Director (ETWD)

Mike Scheafer (CMSD)

Larry Dick (MWDOC)

Alison Martin (YLWD)

Ray Barragan (OC LAFCO)

Gavin Centeno (OC LAFCO)

Vicki Osborn (WEROC)

Todd Winslow

Chris Palmer (CSDA)

Daniel Harrison (WEROC)

Tiffany Israel (Aleshire & Wynder)

II. Minutes

A motion was made (Director Schafer), seconded (Director Green), and unanimously carried via roll call vote to approve the minutes of the December 7, 2021 meeting as amended with the change of the quarterly meeting date to January 27, 2022 on page 4 under Director Schafer's report.

III. Public Comments

- President Monin asked if there were any items that attendees would like to add to the agenda and received no response.

IV. New Business

- Associate Member Approval: Rick Brandis, Managing Director at Brandis Tallman – It was moved (Director Schafer), seconded (Director McVicker), and unanimously approved to add Rick Brandis as associate member.
- Possible Educational Programs for ISDOC Membership 2022 – President Monin discussed educational opportunities and requested input. Director Jacobs discussed the possibility of hosting a form 700 workshop (virtual) that could be held with the assistance of CSDA. The forms are due in April. March will be the target date and CSDA will be contacted for potential assistance. Heather remarked that CSDA currently has an online class for form 700. Chris Palmer will research if there is a cost with the CSDA form 700 class and report back. This class will be promoted through ISDOC if there is not a charge.

V. Old Business

- Dues Holiday Letter – President Monin thanked Heather and Tina for their assistance in getting the dues holiday letter out.
- Newsletter Update/Discussion – President Monin reported that he is working with Directors Davert and Fidler as well as LAFCO to work out the newsletter. This will be agendaized for February.
- Membership Directory Update – Heather reported that the membership directory update letter had been sent out requesting that information be updated. This data will be compiled and posted up to the website by March. Associate members will also be updated.

VI. Treasurer's Report – Director Green

- Director Green reported that there is a balance of \$11,254.

VII. CSDA Report – Director Schafer

- CSDA - Director Schafer thanked CSDA for their assistance with securing the lease. She will be attending a Board meeting on the 20th of this month and staying on for a finance meeting.
- Chris Palmer reported that CSDA has collaborated with seven other states to form the National Special District Coalition to give us a national voice at the federal level. More information is available on CSDA's website. Please contact Chris if you would like more information.

VIII. LAFCO Report – Director Fisler

- Director Fisler reported that the next meeting is January 12th at 8:15 a.m., and he believes that this meeting is in person but suggested that the website be checked first. Gavin reported that the meeting will be held in person and will require the use of a mask. The chair and vice-chair will be elected as well as the executive committee at this meeting. Six-month accomplishments as it relates to strategic objectives will be reviewed as well as budget adjustments. Carolyn Emery will be the guest speaker at the January 27th quarterly meeting and will probably discuss LAFCO's new website. LAFCO's new newsletter "Pulse" was discussed.

IX. ACWA Report – Director Jacobs

- Director Jacobs reported that, as of yesterday, the State legislature was back in session. ACWA is requesting members to reach out to their legislators regarding water legislation and to bring them up to speed. There is an ACWA handbook available to assist with this process. State Leg meets this Friday (virtually) from 10 a.m. to noon. Hybrid meetings may be held in the future. Director Jacobs encouraged staff to log in. ACWA will be reviewing AB 1434 which they are opposed to. President Tobin has announced appointments for the coming year. The Region 10 position is open currently. Director Jacobs reported that she is supporting Director Chuck Gibson for the position.

X. OCCOG Report – Director Scheafer

- Director Scheafer reported that the Orange County Council of Governments (OCCOG) does not have a report as they have not met since the last meeting. The next meeting is January 27th at 10:30 a.m. OCCOG's main challenge remains the housing element and appeal process.

XI. Orange County Operational Area Report – Vicki Osborn

- Vicki reported that discussed the new variant and positivity rates have doubled in the last week. Last year today there were 2,178 hospitalizations and 487 in the ICU. As of

today, there are 545 hospitalizations with 104 in the ICU. The supreme court is meeting this week on mandatory testing for employers. There were two storms this past month without significant issues to the special districts. Cyber threats were out but special districts were not affected. The original oil spill has been signed off on and is complete. A question-and-answer period followed. Testing is available through your health care provider, local pharmacist and by visiting www.ochealthinfo.com. Vicki was thanked for her informative presentation.

XII. Subcommittee Reports

- Programs – Director Schafer reported that Director Jones is doing a fantastic job on the legislative report. We are so fortunate to start out the year with our guest speaker, Carolyn Emery, for the first quarterly meeting. Our highlighted speaker is Mesa Water District.
- Membership – Director McVicker stated that the associate membership list has been cleaned up and will be sent over to the website as it is updated.
- Legislative – Alison Martin reported that legislators returned January 3rd for legislative session. AB 1434 is being watched closely. The PFAS action act of 2021 has been passed. Director Jones gave a report on the U.S. Senate and House bills. Various other assembly bills and initiatives were discussed. Director Jones reviewed authorization acts and appropriation acts. Initiatives were also reviewed in detail. Director Jones was thanked for his extremely informative update.

XIII. Adjourn: President Monin thanked the various attendees and staff for their assistance and participation. The next meeting is scheduled for February 1, 2022 at 7:30 a.m. The meeting was adjourned at 8:20 a.m.

Signed: 
ISDOC Secretary

Date: January 4, 2022



AGENDA

Friday, February 4, 2022
7:30 a.m. – 9:00 a.m.

Register in advance:

<https://us06web.zoom.us/join/zoom/register/tZEgdOuqrD0rHdVlzBX7WGwwyHjrAT3QMLat>

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/Medha Paliwal
Orange County Water District (OCWD)

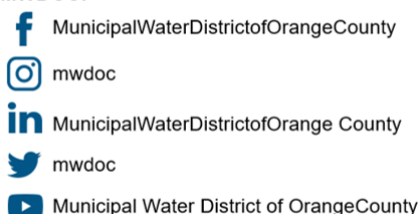
Heather Baez
Municipal Water District of Orange County (MWDOC)

Stay connected with OCWD and MWDOC

OCWD:



MWDOC:



1. Welcome

- Cathy Green, Orange County Water District

2. Housekeeping & Meeting Etiquette

3. Pledge of Allegiance

4. Reports

- Water Emergency Response Organization of Orange County (WEROC) – Vicki Osborn
- Metropolitan Water District of Southern California (MET) – Linda Ackerman
- Association of California Water Agencies (ACWA) – Cathy Green

5. Program

“Forecasting Changes in Water Supply - Colorado River Basin”

Speaker: Dr. Thomas Piechota, Ph.D., P.E., Vice President for Research and Professor of Environmental Science and Policy at Chapman University

6. Adjourn

Next WACO Meeting

Friday, March 4, 2022 at 7:30 a.m. via Zoom

Next WACO Planning Committee Meeting

Tuesday, February 15, 2022 at 7:30 a.m. via Zoom



WACO Planning Committee
Tuesday, February 15, 2022 at 7:30 A.M.

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

Meeting ID: 928 8265 9982
Phone Audio: 669-900-9128

AGENDA

WELCOME

ACTION ITEMS

1. March 4, 2022 WACO Meeting
 - Reports: WEROC, Met, ACWA
 - Topic: Water Storage/Status of Prop 1 Projects
 - Speakers: Joe Yun, California Water Commission Executive Officer & Jose Solorio, California Water Commissioner
 - Confirm reports
 - Confirm presentation details
2. April 1, 2022 WACO Meeting
 - Reports: WEROC, Met, CSDA, ACWA
 - Proposed Speaker: Brenda Burman, Executive Strategy Advisor, Central Arizona Project
 - Confirm reports
 - Confirm speaker/topic

DISCUSSION ITEMS

1. Discuss and prioritize potential topics for future meetings:
 - Cybersecurity for water districts, Frank Ury as potential speaker (Cathy Green)
 - MET Climate Action Plan (Al Nederhood)
 - Salt management/improving water quality in SAWPA (Peer Swan)
 - PFAS in Orange County/wellhead treatment (Peer Swan)
 - Delta with Jay Lund, Professor of Watershed Sciences, as potential speaker (Karl Seckel)
 - MET IRP Implementation (Karl Seckel)
 - MET Drought/Conservation Update
 - Forest Management
 - Allan Savory, Co-Founder, Savory Institute; Ecologist, Better water effectiveness/reduced climate change (Brooke Jones)
 - SGMA/food production/water supply (Karl Seckel)
 - Ways water districts add to their income stream w/o rate payers (Larry Dick)
 - 1,2,3-TCP in the Central Valley (Cathy Green)
2. Discussion of February 4 meeting: "Forecasting Changes in Water Supply - Colorado River Basin" with speaker Dr. Thomas Piechota

INFORMATIONAL ITEMS

1. Let staff know if there is anyone who should be added to or removed from the planning meeting invite list.
2. Zoom meeting ID and meeting link changes monthly for WACO Meetings; However, the Planning Meetings for WACO are the same link.

ADJOURN

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

Virtual - Zoom

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

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

Officers

Chair

Hon. Cathy Green

Orange County Water District

Vice Chair

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Staff Contacts:

Alicia Dunkin/Medha Paliwal


Orange County Water District

Heather Baez

Municipal Water District of Orange County

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 Municipal Water District of OrangeCounty

DATES TO REMEMBER

FEBRUARY/MARCH 2022

1. Feb 24 – 2:30 p.m. – South Orange County Watershed Management Meeting
2. Feb 25 – DISTRICT OFFICE CLOSED
3. Feb 25 – 12 noon – South Orange County Economic Coalition (SOCEC)
4. Mar 1 – 7:30 a.m. – ISDOC Executive Committee Meeting
5. Mar 1 – 10:00 a.m. – RRC Meeting
6. Mar 2 – 8:30 a.m. – MWDOC/MET Directors Workshop
7. Mar 3 – 8:30 a.m. – SOCWA Board Meeting
8. Mar 3 – 2:30 p.m. – South OC Watershed Management Executive Cmte Quarterly Meeting
9. Mar 4 – 7:30 a.m. – WACO Meeting
10. Mar 4 – 12 noon – Pres/VP/GM Meeting
11. Mar 7 – 1:30 p.m. – SOCWMA Management Committee Meeting
12. Mar 9 – 8:30 a.m. – MWDOC Admin/Finance Committee Meeting
13. Mar 10 – 8:30 a.m. – SOCWA Engineering Committee Meeting
14. Mar 11 – DISTRICT OFFICE CLOSED
15. Mar 12 – DAYLIGHT SAVINGS TIME BEGINS (Spring Forward 1 Hour)
16. Mar 14 – 8:30 a.m. – MWDOC Planning/Operations Meeting
17. Mar 14 – 9:00 a.m. – Agenda Review
18. Mar 15 – 7:30 a.m. – WACO Planning Committee Meeting
19. Mar 15 – 8:30 a.m. – SOCWA Finance Committee Meeting
20. Mar 16 – 8:30 a.m. – MWDOC Board Meeting
21. Mar 16 – 12:30 p.m. – OCWA (Zoom)
22. Mar 17 – 8:30 a.m. – SAC Meeting
23. Mar 17 – 10:30 a.m. – MWDOC Managers Meeting
24. Mar 18 – 12 noon – Pres/VP/GM Meeting
25. Mar 21 – 7:30 a.m. – Regular Engineering/Finance Committee Meeting

- 26. Mar 24 – 7:30 a.m. – Regular Board Meeting
- 27. Mar 24 – 12 noon – South County Agencies Meeting
- 28. Mar 25 – 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.