

I hereby certify that the following agenda was posted at least 72 hours prior to the time of the meeting so noticed below at 24251 Los Alisos Boulevard, Lake Forest, California.



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



**AGENDA**

**EL TORO WATER DISTRICT**

**REGULAR MEETING OF THE  
BOARD OF DIRECTORS**

**June 23, 2022**

**7:30 a.m.**

Director Monin will be attending remotely from: Edgewater Hotel, 101 Main St,  
White Horse, Yukon Y1A2A7

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Members of the public who wish to comment on any item within the jurisdiction of the District or on any item on the agenda, may 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/89439419324>. (Meeting ID: 894 3941 9324).

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 – President Freshley**

**ORAL COMMUNICATIONS/PUBLIC COMMENTS**

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

## ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

### 1. CONSENT CALENDAR

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

- a. Consider approving the minutes of the May 11, 2022 Special Board meeting
- b. Consider approving the minutes of the May 24, 2022 Special Board Budget Meeting
- c. Consider approving the minutes of the May 26, 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. **Director Reports for Meetings Attended** (Oral Report)

## GENERAL MANAGER ACTION ITEMS

### 3. **California Special Districts Association Board of Directors, Southern Network – Seat B Election** (Reference Material Included)

The Board will consider voting to elect a representative to the California Special Districts Association Board of Directors, Southern Network, Seat B, and submit the nomination by the July 8, 2022 5:00 p.m. deadline.

**Recommended Action:** The Board will consider voting to elect a representative to the California Special Districts Association Board of Directors, Southern Network, Seat B, and submit the vote by the July 8, 2022 5:00 p.m. deadline.



## **GENERAL MANAGER INFORMATION ITEMS**

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

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

**5. General Manager's Monthly Report** (Reference Material 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 – June 2, 2022
- b. SOCWA Engineering Committee Meeting – June 9, 2022
- c. SOCWA Finance Committee Meeting – June 21, 2022 - canceled
- d. SOCWA Facilitators Interview Meeting – June 22, 2022

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

- a. MWDOC/MET Directors Workshop – June 1, 2022
- b. MWDOC Planning/Operations Meeting – June 6, 2022
- c. MWDOC Admin/Finance Committee Meeting – June 8, 2022
- d. MWDOC Board Meeting – June 15, 2022
- e. MWDOC Managers Meeting – June 16, 2022

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

- a. Report on the May 26, 2022 Executive Committee meeting
- b. Report on the June 6, 2022 Management Committee meeting

**11. South Orange County Agencies Group Meeting Reports**

(Reference Material Included)

- a. Report on the May 26, 2022 South Orange County Agencies Group meeting

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

- a. Report on the June 8, 2022 meeting

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

- a. Report on the June 7 2022 ISDOC Executive Committee meeting

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

- a. Report on the June 3, 2022 WACO meeting
- b. Report on the June 21, 2022 WACO Planning Committee meeting

**COMMITTEE AND GENERAL INFORMATION**

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

**COMMENTS REGARDING NON-AGENDA ITEMS**

**ATTORNEY REPORT**

**CLOSED SESSION**

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

1. At this time the Board will go into Closed Session pursuant to Government Code Section 54956.8 to consult with its negotiator (General Manager) with respect to the terms and conditions pertaining to the potential acquisition of capacity interest in wastewater transmission pipes and facilities (appurtenant to real property) from the Irvine Ranch Water District, which property is located within the Service Area of the South Orange County Wastewater Authority.
2. Pursuant to Government Code Section 54957(b)(1) to discuss the General Manager's performance.

## REGULAR SESSION

### REPORT ON CLOSED SESSION (Legal Counsel)

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

#### 16. **General Manager Compensation**

**Recommended Action:** The District's Board of Directors will discuss and consider granting the District's General Manager a compensation increase in the amount and form as determined by the Board.

### 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 SPECIAL BOARD MEETING  
OF THE  
BOARD OF DIRECTORS  
OF THE  
EL TORO WATER DISTRICT  
May 11, 2022

President Freshley called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 1:30 p.m. on February 14, 2022.

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

Committee Members KATHRYN FRESHLEY (via zoom), KAY HAVENS (via zoom), 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, and GILBERT J. GRANITO, General Counsel.

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.

## Action Item

### Transmittal of Election Information Special District

Mr. Cafferty stated that each election year we are required to provide information to the Registrar of Voters office identifying which seats are up for election, as well as whether or not the District will pay for the Candidate's Statements, and the number of words the District authorizes for said Statements (200 or 400). He further stated that in the past the District has declined paying for Candidates Statements, and limited the Statements to 200 words.

Mr. Cafferty stated that the form is due on May 20, 2022 to the Registrar of Voters office.

Director Gaskins stated that the 2 Board members up for re-election are himself and President Freshley, and he feels that the District should not pay for the Candidate's Statements. President Freshley concurred with Director Gaskins statement.

President Freshley asked for a Motion.

Motion: Director Gaskins made a Motion that the District shall not pay for Candidates Statements. There was no second and this Motion failed.

President Freshley stated that since the individual Candidate is paying for the Statement themselves, they should be able to choose whether they want their Statement to be 200 or 400 words, and not be restricted to only 200 words.

Mr. Cafferty stated that if there is no opposition to the incumbents running for the seats, there is no cost to the District. He further stated that the Motion

could state that on the assumption that there is no additional cost associated with choosing 400 words, we would go with that decision.

President Freshley asked for a Motion.

Motion: Director Monin made a Motion, seconded by Vice President Havens and unanimously carried across the Board that the District will not pay for Candidates Statements, and the number of words that the District will authorize will be 400 on the assumption that there is no cost to the District, and as such staff will verify with the Registrar of Voters office if there is no additional cost for authorizing 400 words, and if there is additional cost, then the District shall only authorize 200 words.

Director Vergara stated that most of the Voters will read the first paragraph of a Candidates Statement and no matter how many words are in their Statement, they will overlook the rest.

Mr. Cafferty stated that he will check with the Registrar of Voters office to see if a District allows the Candidate to use 400 words and they choose to use only 200, will they still have to pay for 400 words because that is what the District authorized.

President Freshley asked for an amended Motion.

Motion: Vice President Havens made a Motion, seconded by Director Monin that the District will not pay for Candidates Statements, and authorizes on the assumption that a) there is no cost to the District, and b) that it preserves flexibility for the Candidate to only pay for 200 words if that is what they choose

to submit. Furthermore, if either a) or b) is untrue, then the limit the District will authorize will be 200 words.

Roll Call Vote:

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

Information Item

SOCWA Update

President Freshley stated that there is a lot of discussion to eliminate SOCWA, which impacts ETWD in multiple ways, including alleviating current contract commitments for solids handling.

Mr. Cafferty stated that there are three high level issues with SOCWA. He further stated that one is the San Juan Capistrano withdrawal and specific requirements with the JPA Agreement that if an agency is going to withdraw they need to provide a 120-day notice, and San Juan wants to be out at the end of this fiscal year while stating that adequate notice was given.

Mr. Cafferty stated that in the 2022/23 fiscal year the General Fund is about \$425,000 of which the District's share is \$39,000. He further stated that the allocation is no longer divided by 10; there is a formula based on the total number of project committees at SOCWA, the total number of participating agencies in the project committees, and how many project committees we are in.

Mr. Cafferty stated that, under the current formula, ETWD is in 3 project committees out of 37 which is 8.1% of the actual cost and is \$34,000, and when

San Juan is no longer participating it goes to \$38,500. He further stated that SMWD has committed to pay the difference at least for the upcoming fiscal year.

Director Monin asked upon leaving the JPA Agreement early, are there unfunded liability for retirement and other things that San Juan owes. President Freshley replied that it was part of what SMWD absorbed.

Director Monin asked if we should have waited for the SOCWA Board meeting tomorrow to see what gets settled there before we make decisions today. Mr. Cafferty replied that the intent of today's meeting is to have discussion today so that President Freshley would have the benefit of the Board's input when she attends the SOCWA meeting tomorrow.

Director Monin stated that he doesn't feel that just because San Juan and IRWD are leaving SOCWA should mean that it's the end of SOCWA.

President Freshley stated that several of the PC projects are about to expire.

Vice President Havens stated that she doesn't feel it's fair for us to pay San Juan's fees two years down the road. Mr. Cafferty replied that the General Fund consists of costs necessary for SOCWA to exist and has nothing to do with any project that San Juan may have been involved in.

Director Vergara concurred with Vice President Havens concerns and feels SMWD should pay more by absorbing San Juan's share of SOCWA costs. Mr. Cafferty replied that it will be discussed by SOCWA's Board during their budget process.



Mr. Cafferty stated that there were issues with the JPA Agreement, unfunded liabilities, and how they are handled by SOCWA.

Mr. Cafferty stated that discussion was held on an Alternative Delivery Service Model which consists of individual agencies potentially operating the facilities by contract with each other. He further stated that out of that discussion came a Task Force of 4-member agencies, SMWD, MNWD, SCWD, and ETWD.

Mr. Cafferty stated that SMWD and MNWD became more proactive about the concept of dismantling SOCWA and providing the services differently. He further stated that SCWD and ETWD have had discussions but are more ambivalent about it.

Mr. Cafferty stated that at the March 11<sup>th</sup> All-Hands Meeting, attendees included a Board member from each agency, the General Manager from each agency, an Attorney from each agency, and some agencies had additional staff.

Mr. Cafferty stated that discussion was originally supposed to be on the JPA Agreement issue, but it turned into a discussion about the San Juan and IRWD withdrawal from SOCWA.

Mr. Cafferty shared what SMWD and MNWD presented at the meeting. He further stated that the grant agreements that drove the JPA Agreement have changed, many agencies are pursuing water reuse projects, and there are advantages and disadvantages of maintaining SOCWA.

Mr. Cafferty stated that all of the Regional Plant influent comes from the MNWD service area. He further stated that SMWD is interested in water reuse at the Latham plan and would propose that SOCWA continue to perform in some

form without operating facilities in order to maintain the permitting function for the regulatory and lab work they perform.

Mr. Cafferty stated that SCWD want to make sure the opportunity to enhance overall capital and management is reviewed. He further stated that they are interested in the recycled water opportunities at Latham and the Coastal Plant.

Mr. Cafferty stated that there are two outfalls; the Aliso Creek Ocean Outfall, which is where we discharge our wastewater effluent, and the San Juan Creek Ocean Outfall. He further stated that the Effluent Transmission Main is where the flows from our plant, IRWD's plant, as well as MNWD's plant downstream of the Regional Treatment Plant.

Mr. Cafferty stated that what is being proposed is a regulatory team that includes laboratory and regulatory compliance. He further stated that the Alternative Delivery Service Model envisions the SOCWA facilities to be operated by individual agencies.

Mr. Cafferty stated that the Alternative Delivery Service Model proposes that SOCWA would remain as a service-based agency to handle some of the permitting; regarding the unfunded liabilities and OPEB, there would be a portion that would remain with SOCWA and the rest to the operating agencies, paid for through contractual relationships. He further stated that the MNWD/SMWD presentation suggests this would save costs and simplify governance issues.

Mr. Cafferty stated that cost savings would be in the Administrative and General Fund. He further stated that the proposed alternative would absorb all

current SOCWA staff members with the exception of the General Manager, the Director of Operations, and the Director of Finance.

Mr. Cafferty stated that the savings to ETWD would be approximately \$81,000 as our share of SOCWA's O&M costs is approximately 4.5% based on our participation at the Regional Plant, the Effluent Transmission Main, and the Aliso Creek Ocean Outfall. Director Vergara asked what savings would be for SCWD. Mr. Cafferty replied approximately \$350,000.

Mr. Cafferty stated that SOCWA will be reviewing the three proposals they received and consider awarding a contract for interviewing member agencies about the future of SOCWA, and the Task Force recommended not awarding to one contractor and narrowed it down to two proposals. He further stated that ETWD's share of cost would be a few thousand dollars.

Mr. Cafferty stated that the Consultant would go out to each agency and gather feedback, opinions, and concerns, and then bring back the information to a SOCWA Board meeting for further discussion.

Director Monin asked if ETWD wanted to exit the Baker Plant project, are we tied into certain costs and lock-in provisions that we would be responsible for. Mr. Cafferty replied that we own some capacity in the project and are responsible to maintain that capacity.

Director Monin asked what happens if IRWD and San Juan are later told they are responsible for certain liabilities by departing SOCWA, would they still need to pay or would the remaining agencies be responsible for the liabilities. Mr. Cafferty replied that discussion will be had during the Closed Session

regarding IRWD. He further stated that San Juan's responsibilities would become SMWD's responsibility.

Mr. Cafferty stated that we would have to make a decision about entering into a contract with MNWD to continue to operate solids handling facilities on our behalf at the Regional Treatment Plant.

Director Monin stated that TCWD may be considering withdrawing from SOCWA, and what benefit would it be for them to exit. Mr. Cafferty replied that TCWD is different because they do not own capacity in any SOCWA facility, and they are only a member of SOCWA because they participate in the SOCWA Recycled Water permit for Region 9.

Director Monin asked how often does a split in the JPA Agreement happen, and are there any models out there from previous splits. Mr. Cafferty replied that he has no specific knowledge of any.

Director Monin asked if there are any issues with Lisa Ohlund being the Consultant. Mr. Cafferty replied that this will be part of the SOCWA Board meeting discussion.

Director Monin asked if there is a buyout for the General Manager and the other two management positions. Mr. Cafferty replied that there has been no discussion on this topic yet.

Vice President Havens stated that the restructuring could be costly to the remaining agencies.

Director Monin asked what happens with our sludge hauler. Mr. Cafferty replied that what they are proposing will not change our operation, but we would have the option to do something differently.

Director Monin asked what will be done with direct potable reuse (DPR). Mr. Cafferty replied that direct potable has a different set of regulatory requirements that are currently being developed; there are some benefits to owning the wastewater treatment plant in a DPR scheme.

Vice President Havens asked if we have the rights to our waste water. Mr. Granito commented that generally speaking, if you have declared an intent to recapture/reuse the waste water and established a degree of control of said discharges, then ownership would be retained by the discharger.

President Freshley asked for an update on DPR and solids handling. Ms. Ford replied that DPR regulations are under development by the Division of Drinking water with plans for a final set in 2023; neighboring agencies such as MNWD are planning DPR projects and influencing the shape of these regulations by commenting on the draft versions. Many utilities are pursuing DPR in California. Corresponding challenges include lack of adequate wastewater for all Districts' drinking water supply and more complicated ocean outfall permitting with more concentrated waste streams.

Ms. Ford stated that designing a new solids handling facility will negatively impact water quality; high-ammonia centrate returns can be more challenging to treat in potable reuse schemes. She further stated that either DPR or solids

handling at the WRP will require more operators and higher capital costs. Likely only one of the options could fit at the WRP site.

#### Break

At approximately 4:55 p.m. the Board took a short recess.

#### Attorney Report

#### Closed Session

At approximately 5:00 p.m. the Board went into Closed Session for the two matters in today's agenda.

#### Regular Session

#### Report on Closed Session

At approximately 5:25 p.m. the Board returned to Regular Session.

Mr. Granito reported that the Board did go into Closed Session to discuss both items as reflected on today's Closed Session agenda.

Mr. Granito reported that during the discussion on item #1 the Board proceeded to consult with the District's negotiator, Mr. Cafferty with respect to the terms and conditions pertaining to the potential acquisition of capacity interest in the wastewater transmission pipes and facilities (appurtenant to real property) from IRWD which property is located within the service area of SOCWA. No further reportable action was taken.

Mr. Granito reported that during the second phase of the Closed Session item #2 concerned a matter of potential litigation. No reportable action was taken.

Adjournment

There being no further business to come before the Board, the meeting was adjourned at 5:30 p.m.

Respectfully submitted,

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POLLY WELSCH  
Recording Secretary

APPROVED:

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KATHRYN FRESHLEY, President of  
the El Toro Water District and the  
Board of Directors thereof

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

MINUTES OF THE SPECIAL BOARD BUDGET MEETING  
OF THE  
BOARD OF DIRECTORS  
OF THE  
EL TORO WATER DISTRICT  
May 24, 2022

President Freshley called the Special meeting of the Board of Directors of the EL TORO WATER DISTRICT to order at 7:30 o'clock a.m. on May 24, 2022 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

Director Monin led in the Pledge of Allegiance to the flag.  
Directors KATHRYN FRESHLEY, KAY HAVENS, MARK MONIN, MIKE GASKINS, and JOSE VERGARA were present.

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

ORAL COMMUNICATIONS - PUBLIC COMMENTS

President Freshley stated that at this time members of the public may address the Board or they may reserve this opportunity with regards to an item on the agenda, until the Board discusses said item later in today's meeting.

There were no comments.



### Items Received Too Late to be Agendized

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

### Review Minutes of the May 9, 2022 Budget Committee Meeting #2

Vice President Havens stated that the Budget Preparation process contained packets that were comprehensive, easy to analyze, with the data detail being quite granular. She further stated that this was one of our most challenging years given the Cost of Service Study, performance-based merit compensation pools, catch-up, and the 2022 Revenue Bond.

President Freshley asked for a Motion.

Motion: Vice President Havens made a Motion, seconded by Director Gaskins and unanimously carried across the Board to approve the May 9, 2022 Budget Committee #2 meeting minutes.

### Roll Call Vote:

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

Motion passes 4-0.

### ETWD Draft 2022/23 Budget and Prop 218 Notice

Mr. Cafferty stated that the budget will show a draw-down on Reserves and a plan to replenish them over a period of time in a steady manner.

Mr. Hayden stated that development of the budget process includes review and scrutiny of current and projected expenses and revenue

requirements, consideration of established financial objectives and principles, and 2 in-depth meetings with the Budget Committee.

Mr. Hayden stated that financial objectives include Revenue cash flow to fund Operations and Capital Budgets as well as Debt Service requirements, reliable, stable, and predictable rate strategy, and cost containment strategies and practices to cost effectively maintain reliable service levels.

Mr. Hayden stated that planning principals will be the annual MWDOC/MET/Baker pass-thru, the annual Cost of Service evaluation and adjustments, the overall Annual Revenue increase capped at 5%, individual rate or charge increases capped at less than 10%, the prudent use of Reserves to minimize customer impacts, and maintenance of the required minimum debt coverage ratios.

Mr. Hayden reviewed the revenue plan, proposed revenue, proposed expenses, purchased water costs, and labor costs. He also reviewed the Capital Improvement Plan, 5-year cash flow, 10-year reserve projections, cost-of-service adjustments, commodity rate adjustments, rate components, and proposed water, recycled water, and sewer Capital Charges.

President Freshley asked why is the depreciation for the upcoming fiscal year lower than previous years. Mr. Hayden replied that the Budget for Depreciation in 2021/22 was too high and several capital assets have reached the end of their useful life and therefore depreciation expense is declining.

### Pause Discussion on Item #3, ETWD Draft 2022/23 Budget and Prop 218 Notice

Mr. Cafferty stated that at this time the Board will pause discussion on Item #3 in order to go into Closed Session with Special Counsel with regard to the matter reflected in today's agenda.

### Attorney Report

### Closed Session

At approximately 8:25 a.m. the Board went into Closed Session. Also at this time Mr. Michael Colantuono, Special Counsel joined the meeting via zoom, and Mr. Hopkins, Ms. Cimorell, and Ms. Welsch left the meeting.

### Open Session Report

At approximately 8:55 a.m. the Board returned to Regular Session. Also at this time, Mr. Colantuono left the meeting, and Ms. Cimorell, Mr. Hopkins, and Ms. Welsch returned to the meeting.

Mr. Granito reported that the Board did go into Closed Session as reflected on today's Closed Session agenda, and no reportable action was taken.

### Resume Discussion on Item #3, ETWD Draft 2022/23 Budget and Prop 218

### Notice

Mr. Hayden stated that recycled water charges current rate is \$2.80 per ccf with the revised rate of \$2.77 per ccf, and the proposed rate of \$2.86 per ccf being a 3.25% increase. He further provided a Single-Family Residential sensitivity, and an HOA and Cities sensitivity.

Mr. Hayden reviewed the proposed schedule and recommended action with the Board.

Mr. Cafferty pointed out on Attachment 8 of the package there is a Reserves Analysis that is a little more aggressive on rate increases that takes us closer to 5% every year that allows us to replenish those Reserves a little faster.

Vice President Havens stated under Potable Irrigation Customers mentioned “functional” vs. “non-functional” language.

Director Vergara thanked staff and management for preparing a well-done budget package. The other Board members concurred.

Mr. Cafferty stated that there would be a few minor modifications to the Proposition 218 notice before it would be mailed to customers.

President Freshley asked for a Motion.

Motion: Director Gaskins made a Motion, seconded by Director Monin and unanimously carried across the Board to approve the a) 2022/23 Proposition 218 Notice (with the General Manager’s proposed modifications) and authorize distribution of same in accordance with applicable public noticing requirements, and b) authorize noticing of a Public Rate Hearing to be scheduled for July 28, 2022.

Roll Call Vote:

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

President Freshley asked for a Motion to approve the 2022/23 Budget.

Motion: Director Vergara made a Motion, seconded by Director Gaskins and unanimously carried across the Board to approve the ETWD 2022/23 Operating Budget.

Roll Call Vote:

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

Resolution No. 22-5-1 Adopting Guidelines for the Submission and Tabulation of Protests in Connection with Rate Hearings Conducted Pursuant to Article IIID, Section 6 of the California Constitution

Mr. Cafferty stated that Special Counsel, General Counsel, and staff compiled a Resolution adopting guidelines for the submission and tabulation of protests in connection with rate hearings conducted pursuant to Article IIID, Section 6 of the California Constitution.

President Freshley asked for a Motion.

Motion: Director Gaskins made a Motion, seconded by Vice President Havens and unanimously carried across the Board to adopt Resolution No. 22-5-1 adopting guidelines for the submission and tabulation of protests in connection with rate hearings conducted pursuant to Article XIIID, Section 6 of the California Constitution.

Roll Call Vote:

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

ADJOURNMENT

There being no further business to come before the Board, today's meeting was adjourned at 10:05 a.m.

Respectfully submitted,

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POLLY WELSCH  
Recording Secretary

APPROVED:

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KATHRYN FRESHLEY, President of  
the El Toro Water District and the  
Board of Directors thereof

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

MINUTES OF THE REGULAR MEETING  
OF THE  
BOARD OF DIRECTORS  
OF THE  
EL TORO WATER DISTRICT  
May 26, 2022

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

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

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

Also present were DENNIS P. CAFFERTY, General Manager, JASON HAYDEN, CFO, SCOTT HOPKINS, Operations Superintendent, HANNAH FORD, Engineering Manager, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, GILBERT J. GRANITO, General Counsel, MARK PADE, Chief Plant Operator, CAROL MOORE, Laguna Woods Mayor (zoom), and POLLY WELSCH, Recording Secretary.

Oral Communications/Public Comments

Ms. Moore mentioned the Carson Plant project and suggested that ETWD consider participating in the project.

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 recognized and congratulated Mark Pade, Chief Plant Operator, for 15 years of service.

At approximately 7:40 a.m. Mr. Pade left the meeting.

### Consent Calendar

President Freshley asked for a Motion.

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

### Roll Call Vote:

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

### Director Reports for Meetings Attended

Director Vergara stated that he attended the MWDOC/MET Directors workshop, the ACWA conference, the WACO Planning Committee meeting, the WACO meeting, the MWDOC Board meeting, the regular Board meetings, the Special Board Budget Workshop meeting, and he will be appearing on TV-6, and will be attending the South County Agencies meeting today.

Director Monin stated that he attended the ACWA conference, the ISDOC Executive Committee meeting, the MWDOC Admin/Finance Committee meeting, the WACO Planning Committee meeting, the regular Board meetings, the



Special Board Budget Workshop meeting, the Laguna Woods City Council meeting, and he will be attending the OCCOG meeting.

Director Gaskins stated that he attended the ACWA conference, the two Budget Committee meetings, the RRC meeting, the SOCWA Board meeting, the MWDOC P&O meeting, the MWDOC Board meeting, the WACO meeting, the regular Board meetings, the Special Board Budget Workshop meeting, and will be attending the South County Agencies meeting.

Vice President Havens stated that she attended the Special Board Budget Workshop meeting, the MWDOC P&O, the 2 Budget Committee meetings, the ISDOC Executive Committee meeting, the MWDOC Admin/Finance meeting, the WACO meeting, the Agenda Review meeting, the MWDOC Board meeting, the OCWA meeting, a meeting on Aliso Creek, the South Orange County Watershed Management meeting, the regular Board meetings, the Laguna Woods City Council meeting, and will be helping with the Watershed Management meeting.

President Freshley stated that she attended the Special Board Budget Workshop meeting, the ACWA conference, the JPIA meeting, the WACO meeting, the RRC meeting, the SOCWA Board meeting, the SOCWA Finance Committee meeting, the MWDOC Board meeting, the MWDOC/MET Directors workshop, the Agenda Review meeting, two Laguna Woods City Council meetings, the OCWA meeting, and the regular Board meetings.

## General Manager Action Items

### COVID-19 Update

Mr. Cafferty stated that the pandemic is still with us, and staff recommends continuing the Emergency Administrative Leave.

Ms. Cimorell stated that JPIA has a Summer Circle Series for Modern Health that she will forward to staff and the Board to review the 3-part series at their discretion. She further stated that the dates are June 22<sup>nd</sup>, August 17<sup>th</sup>, and September 14<sup>th</sup>.

President Freshley asked for a Motion.

Motion: Director Monin made a Motion, seconded by Director Gaskins and unanimously carried across the Board to 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 August 25, 2022 meeting of the Board of Directors.

### Roll Call Vote

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

## General Manager Information Items

### General Manager's Monthly Report

Mr. Cafferty stated that we continue to track water usage compared to the benchmark, which is challenging to try and meet a reduced number.

Vice President Havens stated that on page 30 the chlorine monitoring for Reservoir 2 shows 0.00. Mr. Cafferty replied that it was out of service. Vice President Havens suggested adding a footnote explanation.

Director Monin stated that Phone Calls have increased, and there is a line item for Trim Bushes/Meter Obstruction. Mr. Cafferty stated that staff does not trim the bushes for the customers but instead reminds customers to do so to enable access for meters reading.

Mr. Hayden stated that phone calls will increase as we resume the shut-off for non-payment. He further stated that the District received the second payment on the Arrearages Program on the wastewater side of approximately \$27,000.

President Freshley asked if customers will have to pay their full delinquent accounts. Mr. Cafferty replied that the customers were credited what the Arrearages Program allowed, and Customer Service is working with customers who have past due accounts on a payment plan.

#### Legislative Reports

There were no comments.

#### Public Education and Outreach & Water Use Efficiency Reports

Ms. Seitz stated that the newsletter will be going out this month regarding the R-6 Reservoir cover and liner replacement, the Water Quality Report, rebates, fixing leaks, plant ideas, community events, new employee spotlight, past Director Jerry Werner, and the OC Register Top Workplace and AA Credit rating.

Ms. Seitz stated that the CAG meeting will be on June 2<sup>nd</sup> and topics will include the ETWD Level 2 Water Shortage and the 2022/23 Budget. She further stated that as of date we have 19 outside RSVP's.

Ms. Seitz stated that Director Vergara will be on TV-6 to discuss ETWD moving into Level 2 Water Shortage and Water Conservation.

Ms. Seitz stated that the Stella has been placed in the Laguna Woods Community Center lobby for a month and then will be brought to ETWD for a month and then back to the Laguna Woods Art Association.

Ms. Seitz included in her report some photos from the Concerned Citizens Earth Day Celebration and the City of Mission Viejo Earth Day & Arbor Day Green Expo.

Ms. Seitz stated that ETWD is co-sponsoring with SMWD and MNWD the drought tolerant table centerpieces for the event on June 9<sup>th</sup>. Director Monin suggested asking IRWD to co-sponsor the table centerpieces for the next Lake Forest event.

Ms. Seitz stated that, regarding the Adopt a Channel, she is waiting on the County to schedule a walk-through.

#### SOCWA Reports

Mr. Cafferty stated that there was discussion at the Finance Committee meeting on their budget which was approved.

Ms. Ford stated that they had action items for their Project Committee and had to pay a portion of the Regional Asset Management work they are doing since the consequence of failure analysis wasn't part of the original

scope, and our portion was approximately \$6,000. She further stated that there is a microbial analyzer which will be added to the Outfall to reduce analytical time, and our portion will be approximately \$13,000.

President Freshley stated that in the Board meeting they accepted the withdrawal letter from SMWD that adequate notice had been provided by the City of San Juan Capistrano to withdraw from SOCWA and that SMWD would accept all responsibilities of the City of San Juan Capistrano.

#### MWDOC Reports

Director Monin stated that at the Planning and Operations meeting they discussed AB 2639, SB 1044, and master agreements for shared programs and services with Anaheim, Santa Ana, and Fullerton. Vice President Havens stated that they also discussed an economic analysis of a proposed water use efficiency standard.

Director Monin stated that at the Admin/Finance meeting they discussed the annual approval of Direct Salary Schedules, authorized the purchase of a new copier, approved changes to their Records Retention schedule, discussed the annual review of district investment policy and guidelines, and candidate statements for the election.

President Freshley asked if they provided an update on the Reserves issue. Mr. Cafferty replied no there was no discussion on the Reserves issue.

#### SOCWMA Reports

Vice President Havens stated that AB 361 was discussed, and a collaborative workgroup meeting was held regarding the Aliso Creek Wildlife

Habitat Enhancement Project which involves putting a bridge over Aliso Creek and changing the mythology of the creek to be more conducive of the fish flow.

#### LAFCO

President Freshley stated that she was not able to attend.

#### ISDOC

Director Monin stated that they discussed the budget and Reserves. President Freshley questioned what their Reserves are used for. Director Monin stated that the funds are to be used for the quarterly luncheons which haven't been held since the pandemic.

#### WACO

Director Monin stated that there was a program called Living in the Dash: Managing and Communicating through the 2020 – Drought. He further stated that the speakers were Brad Coffey, Debra Sass, and Teresa Robertson.

Director Vergara stated that they will be reviewing how the changes at MET will affect us.

#### COMMITTEE AND GENERAL INFORMATION

##### Dates to Remember for May/June

There were no comments.

##### Comments Regarding Non-Agenda Items

There were no comments.

##### Attorney Report

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

Adjournment

There being no further business to come before the Board, the meeting was adjourned at 8:40 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



CSDA

California Special  
Districts Association

*Districts Stronger Together*

- Home
- How It Works
- Logout **Polly Welsch**

CSDA Board of Directors Election Ballot - Term 2023-2025; Seat B - Southern Network

Please vote for your choice

Choose one of the following candidates:

- Don Bartz, Phelan Pinon Hills Community Services District\*
- Ken Endter, Fallbrook Public Utility District
- Beverli Marshall, Valley Sanitary District

\*Incumbent

☐

Don Bartz\*[\[view details\]](#)

☐

Ken Endter[\[view details\]](#)

☐

Beverli Marshall[\[view details\]](#)

Continue

Cancel



# DON BARTZ

GENERAL MANAGER



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## CANDIDATE STATEMENT

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It is an honor to be considered for election to CSDA's Seat B - Southern Network to continue my service as a member of the Board of Directors. I have been active with CSDA for over 20 years during my time as General Manager for three different Southern Network agencies. I hold the Certified Special District Manager designation through CSDA and I understand just how valuable membership in CSDA is for special districts. Special districts often do not have a voice with our legislators and CSDA advocates for us. Most recently, when special districts were completely overlooked in regard to state and federal COVID-19 funds, CSDA worked with our legislators to provide COVID-19 funding for special districts.

I have been the General Manager of the Phelan Pinon Hills Community Services District ("District") since it formed 14 years ago. Our District has utilized CSDA's education and legislative programs to educate both District directors and staff in order to establish sound governance and best practices for our authorized services. I have served on CSDA's Professional Development and Membership Committees and recommend all special districts join CSDA to strengthen our coalition and bring recognition to our unique districts.

Because my District provides water, parks and recreation, solid waste, and street lighting services, I will bring a variety of experience and understanding of the needs of special districts in our region. As a regular attendee of CSDA conferences and workshops, I am willing to attend meetings and conferences. As a regular panelist on CSDA's, "So You Want to be a General Manager," workshop, I understand the role CSDA plays in helping general managers manage special districts and how CSDA is essential in training the next generation of managerial staff.

I currently serve as CSDA's representative for the Institute of Local Government and I also serve as an appointed planning commissioner for the City of Hesperia. I understand the land use and other hurdles special districts face when developing projects. I will utilize my legislative relationships for the benefit of CSDA members to advocate for special districts and to ensure we have a voice in the legislature and are considered for funding and grants. I would be honored to receive your agency's vote.

---

## CONTACT INFORMATION

---



A. 4176 Warbler Road  
P.O. Box 294049  
Phelan, CA 92329  
P. (760) 868-1212  
F. (760) 868-2323  
W. [www.pphcsd.org](http://www.pphcsd.org)

May 23, 2022

General Manager Dennis Cafferty  
El Toro Water District  
24251 Los Alisos Boulevard  
Lake Forest, CA 92630

**RE: CSDA's Seat B – Southern Network Election**

Dear General Manager Cafferty,

It is an honor to be considered for election to CSDA's Seat B - Southern Network to continue my service as a member of the Board of Directors. I have been active with CSDA for over 20 years during my time as General Manager for three different Southern Network agencies. I hold the Certified Special District Manager designation through CSDA and I understand just how valuable membership in CSDA is for special districts. Special districts often do not have a voice with our legislators and CSDA advocates for us. Most recently, when special districts were completely overlooked in regard to state and federal COVID-19 funds, CSDA worked with our legislators to provide COVID-19 funding for special districts.

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Because my District provides water, parks and recreation, solid waste, and street lighting services, I will bring a variety of experience and understanding of the needs of special districts in our region. As a regular attendee of CSDA conferences and workshops, I am willing to attend meetings and conferences. As a regular panelist on CSDA's, "So You Want to be a General Manager," workshop, I understand the role CSDA plays in helping general managers manage special districts and how CSDA is essential in training the next generation of managerial staff.

I currently serve as CSDA's representative for the Institute of Local Government and I also serve as an appointed planning commissioner for the City of Hesperia. I understand the land use and other hurdles special districts face when developing projects. I will utilize my legislative relationships for the benefit of CSDA members to advocate for special districts and to ensure we have a voice in the legislature and are considered for funding and grants. I would be honored to receive your vote.

Sincerely,

Don Bartz, General Manager





California Special  
Districts Association  
*Districts Stronger Together*

## 2022 CSDA BOARD CANDIDATE INFORMATION SHEET

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

Name: Don Bartz

District/Company: Phelan Pinon Hills Community Services District

Title: General Manager

Elected/Appointed/Staff: Staff

Length of Service with District: 14 years

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

I currently hold the CSDM designation through CSDA and I was appointed to my position on the CSDA Board in 2020. I attend most CSDA conferences and events.

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

ACWA, AWWA, CPRA, CalRural Water

Institute for Local Government

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

LAFCo, ASBCSD (local chapter of CSDA) High Desert Mountain Water Association

4. List civic organization involvement:

I serve as a commissioner on the Hesperia Planning Commission

**\*\*Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after March 31, 2022 will not be included with the ballot.**



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

## 2022 CSDA BOARD CANDIDATE INFORMATION SHEET

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

Name: Ken Endter

District/Company: Fallbrook Public Utility District

Title: Director

Elected/Appointed/Staff: Elected

Length of Service with District: 4 years

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

Workshops and events

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

ACWA workshops and events

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

4. List civic organization involvement:

San Diego County Emergency Preparedness, Supervisor District #14

**\*\*Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after March 31, 2022 will not be included with the ballot.**



# Beverli A. Marshall

General Manager  
Valley Sanitary District

Candidate - Southern Network (Seat B)



## ABOUT ME

I have worked in public agencies for over 20 years and, for the past 13 years, served in management positions at special districts. I am an outspoken advocate for the critical work that districts do for their communities every day.

## EDUCATION



Doctoral Candidate - 2022

Business Administration

MPA - 1996

Public Administration

Bachelor of Arts - 1994

Sociology

## CSDA

Professional Development, Legislative, Elections & Bylaws, Fiscal, and Membership Services committees

## Mt. View Sanitary District

Board Member

## CSRMA

Board Member

## Indio Sunrise Rotary Club

Board President

## Woman's Club of Indio

Board Parliamentarian

## BOARD EXPERIENCE



## AWWA

Workforce Strategies Committee

## CWEA

DEI Task Force

## CSMFO

Budget Award Review

## VOLUNTEER



## SDLF

Certified Special District Manager

## SDLF

Special District Governance

## ICMA

Credentialed Manager

## CERTIFICATION



## VOTE



If elected, I will serve the Southern Network ethically, responsibly, and enthusiastically. Remember - ballots will be sent out electronically before June 2 and are due July 8.

Vote for Beverli A. Marshall - Southern Network (Seat B)



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

## 2022 CSDA BOARD CANDIDATE INFORMATION SHEET

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

Name: Beverli A. Marshall

District/Company: Valley Sanitary District

Title: General Manager

Elected/Appointed/Staff: Staff

Length of Service with District: 2.5 years

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

I am currently on the Professional Development and Membership Services committees. I have served on various committees over the past 10 years.

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

I am a member of CSMFO, CASA, CWEA, CalPELRA, and Cal-ICMA. I am also a member of NACWA, AWWA, ICMA, WEF, and WateReuse.

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

I serve on the Advisory Board of the UCSB Professional & Continuing Education Women in Leadership Executive Program and am Chairman for the Water Sector Management Committee for the Desert Region Apprenticeship Program.

4. List civic organization involvement:

I am President of Indio Sunrise Rotary club, Parliamentarian of the Woman's Club of Indio, a member of the Daughters of the American Revolution, and my application is being processed for the Mayflower Society.

**\*\*Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after March 31, 2022 will not be included with the ballot.**



## STAFF REPORT

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**To: Board of Directors**

**Meeting Date: June 23, 2022**

**From: Dennis Cafferty, General Manager**

**Subject: COVID-19 Update**

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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.

COVID cases in Orange County have risen over the last month but the more severe health impacts have not increased at the same rate. The most recent seven day average daily case rate was reported to be 29.3 per 100,000 compared to the 10.0 figure reported a month ago. As of June 14 hospitalizations in the County were at 194 compared to 89 on May 16. ICU occupancy remains relatively low is at 19. The disparity between the severity of the current status of the pandemic between vaccinated people and people not fully vaccinated remains apparent as 83% of hospitalized persons and 87% of the ICU admissions are unvaccinated.

Through June 14, approximately 2.3 million people in Orange County are now fully vaccinated representing approximately 72% of Orange County Residents. Further vaccinations have reduced significantly with the total vaccinated population increasing only marginally in the last month. Statewide trends are similar with, approximately 28.4 million people in the State of California being fully vaccinated. The total State vaccinations are also very similar to the previous month.

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

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

- **Illness** – In total, since the beginning of the pandemic, 29 ETWD employees have contracted COVID.

- ETWD Health and Safety Protocols – The various surges in cases and the often evolving Health Orders that have come with them have made it very challenging for employers and employees alike. District employees continue to be reminded to follow all of the District's requirements and protocols. Staff is monitoring State and local health officials as well as OSHA for further modifications.



# **GENERAL MANAGER'S REPORT**

**June 2022**

## **I. OFFICE OF THE GENERAL MANAGER**

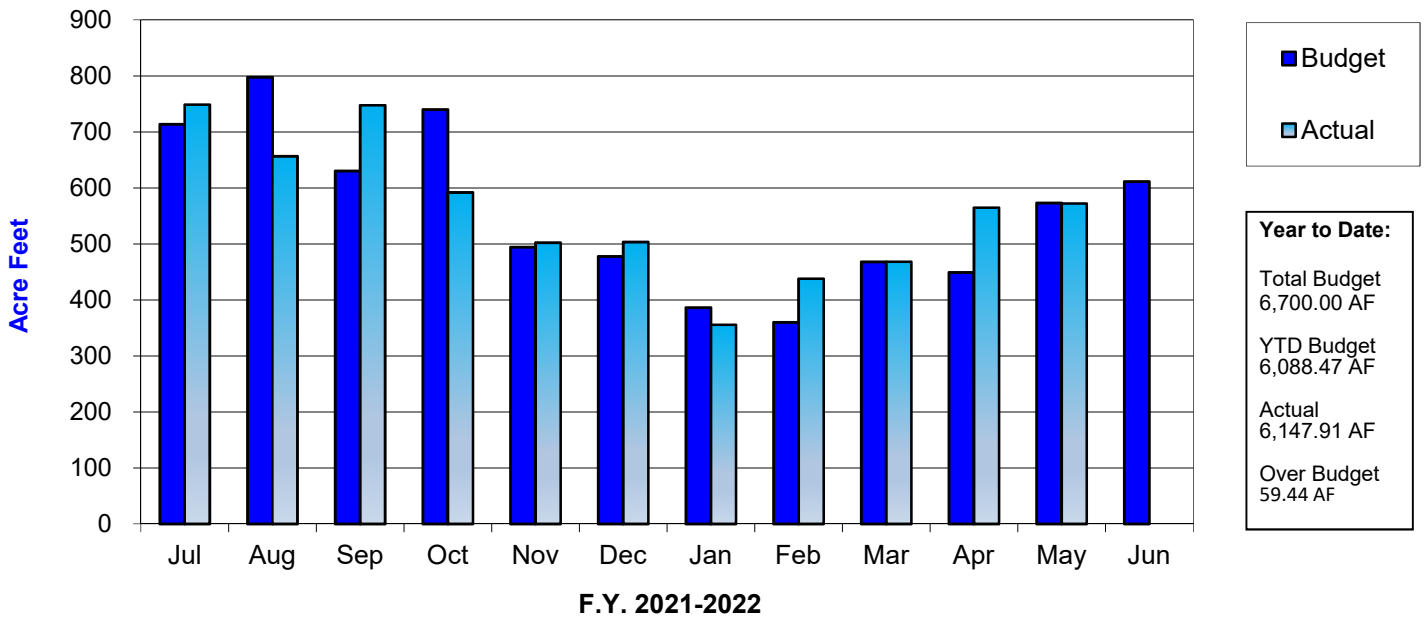
- Attended South Orange County Agencies Group Meeting
- Attended Meeting of SOCWA Task Force
- Attended ETWD RRC Meeting
- Attended MWDOC/MET Directors Workshop
- Attended SOCWA Board Meeting
- Attended ETWD Agenda Review Meeting
- Attended ETWD Engineering & Finance Committee Meetings
- Attended ETWD Board Meeting
- Attended Meeting with IRWD Regarding SOCWA
- Attended Meeting with E Source – Water Loss Report Consultant
- Attended Meeting with IRWD/SMWD Regarding Cross Connection Control Policy Handbook
- Attended the ETWD Community Advisory Group Meeting

## **II. DOMESTIC AND RECYCLED WATER SALES**

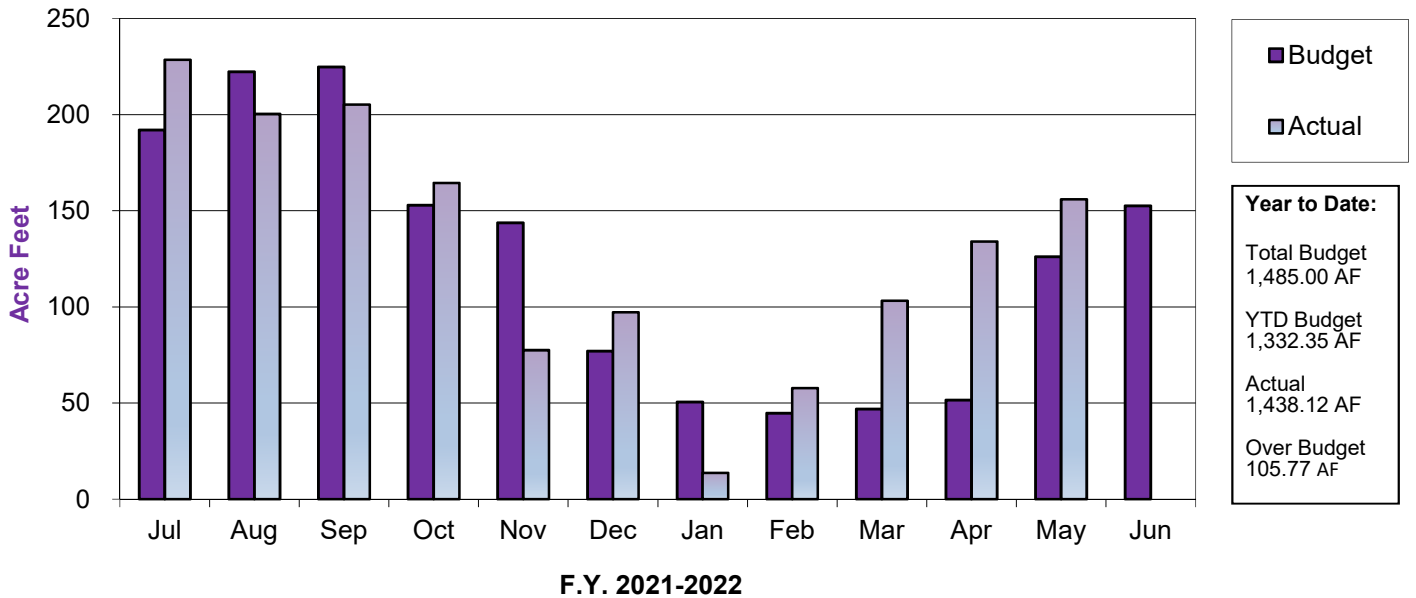
Actual domestic sales for the year-to-date as of May 31, 2022 are 6,147.91 acre-feet. This compares to year-to-date budgeted domestic sales of 6,088.47 acre-feet. The year-to-date variation in actual to budgeted sales reflects an increase of 59.44 acre-feet. Actual sales are 425.34 acre-feet lower than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of May 31, 2022 are 1,438.12 acre-feet. This compares to year-to-date budgeted recycled sales of 1,332.35 acre-feet. The year-to-date variation in actual to budgeted sales reflects an increase of 105.77 acre-feet. Actual sales are 45.35 acre-feet higher than last year-to-date actual sales for the same period.

## POTABLE WATER SALES



## RECYCLED WATER SALES



## Customer Service Activity Report

Regular Service Calls	MAY 2022	MAY 2021	Telephone Calls	MAY 2022	MAY 2021
Serviceman Dispatched to Read, Connect/Disconnect Service	67	63	Change of Service: Connections and Disconnections	76	76
<b>Field Investigations:</b>			Billing / Payments & Graph Inquires	164	112
Check for leaks - calls to CS Office:(irrigation,meter,street leaks)			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	2	32
Customer Responsible	16	22	Variance / Adjustment Inquiries	15	32
District Responsible	9	9	Variance / Adjustment Requests Processed	3	10
None found/other	9	18	Ordinance Infraction / Water Waste Complaints	5	3
High Reads Checked - High Consumption (Billing Dept.)					
Cust Leaks: _5_ No Leaks: _2_	7	35			
Check Stopped Slowed Meters-Low Consumption (Billing)	1	15	Outside Utility Districts	57	59
Re-Check Read	2	6	Phone calls Transfer to other Departments within ETWD	71	39
Ordinance Infraction	4	3	Phone calls for the Board of Directors	2	0
Recycled Water	0	0	Recycled Water	0	0
Water Quality: Taste / Odor / Color	2	5	Water Quality Taste - Odor - Color	1	4
Phone response: _2_ Field response: _0_			Leaks / Breaks	18	16
Flooding (Hydrant) Meters issued	2	0	Flooding Meter calls (Hydrant)	1	0
Sewer - Odor/Stoppage/ Manhole Covers	2	5	Sewer Problems (odor / spills)	1	7
Meter Box: Lids / Covers Replaced	12	23			
Meter Box Clean, Digout	7	4	Backflow / Cross Connection (questions or yearly testing forms)	3	2
			ETWD facilities inquiries:		
Raised Meter Box	0	3	Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	3	19
Trim Bushes / Meter Obstruction	38	25			
General Maintenance Response	4	3	Tyco (ADT) Calls (Alarms to ETWD facilities)	0	0
Fire Hydrants: Hit / Leaks / Caps	4	0	ATT Calls (access to tower sites)	0	0
Pressure(psi) Checks / Reads	2	2	SCE Calls (access to tower sites)	0	1
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	7	5	Pager Calls specifically for Pump Stations - SCADA	0	0
AMS angle-meter-stop replace/repair	3	1			
Bees Removed	2	4			
Backflow / Cross Connection	7	8	Payment Extensions	11	5
			Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)	241	86
Fogged Registers	29	9	Return Calls from customers left on our voice mail system. Ext 500	2	13
OMCOP: Old Meter Change - Out Program	7	0	Email Correspondence:	48	144
Other: (uncommon non-maintenance calls)	6	4	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	13	14
On-Call After Hrs. CS Response	20	24	Misc. (other: employment, deliveries, sales calls)	20	22
# 48/24 Hr. Door Hangers Hung	0	0	Payment Processing Fee Complaints	0	1
# Locked Off For Non-Pay (Disconnect)	0	0			
Removed Meter	0	0			
New Meter	0	2			
Unread Meters	2	13			
<b>Total Field Investigations</b>	<b>271</b>	<b>311</b>	<b>Total Telephone Calls</b>	<b>757</b>	<b>697</b>
<b>Uncollectible Accounts:</b>			<b>Credit Card Payments</b>	<b>MAY 2022</b>	<b>MAY 2021</b>
Budget YTD	\$18,333.00	\$ 18,333.00	REGULAR	1,060	\$199,060.78
Actual YTD	\$ 1,793.00	\$ 18,874.00		936	\$104,609.32

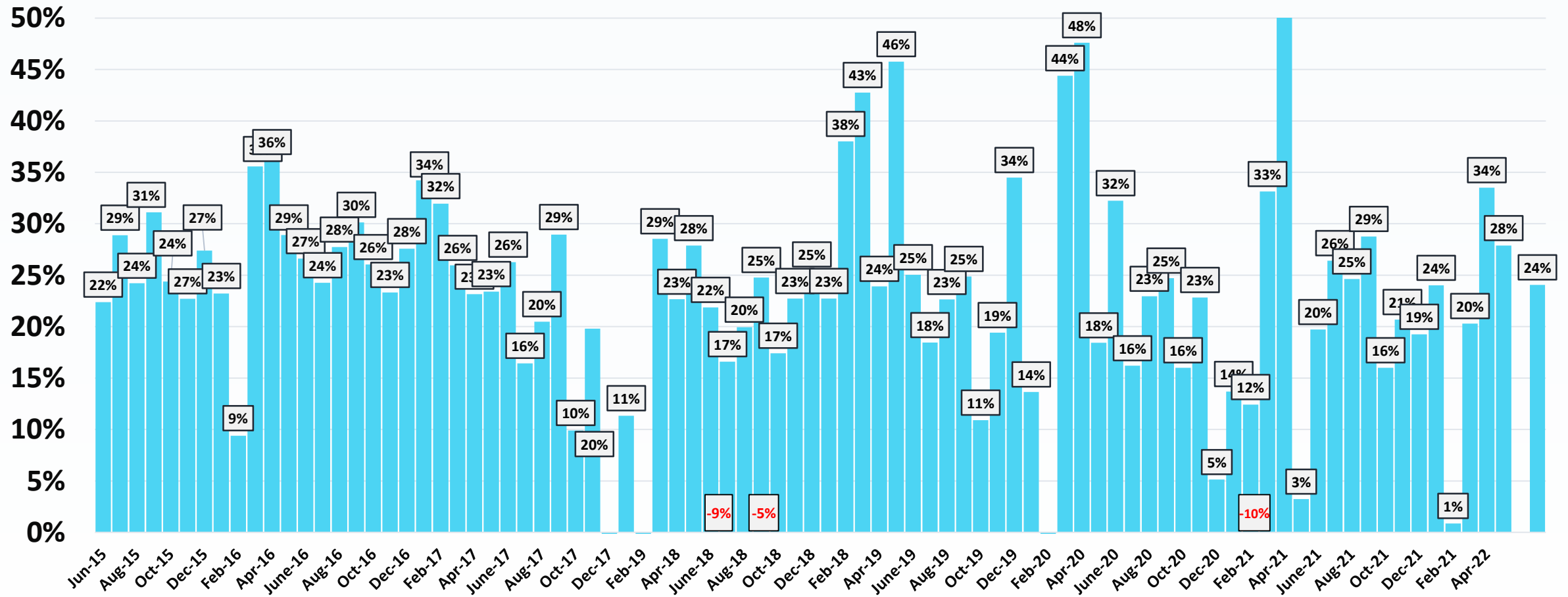
# (WRP) Tertiary Treatment Plant

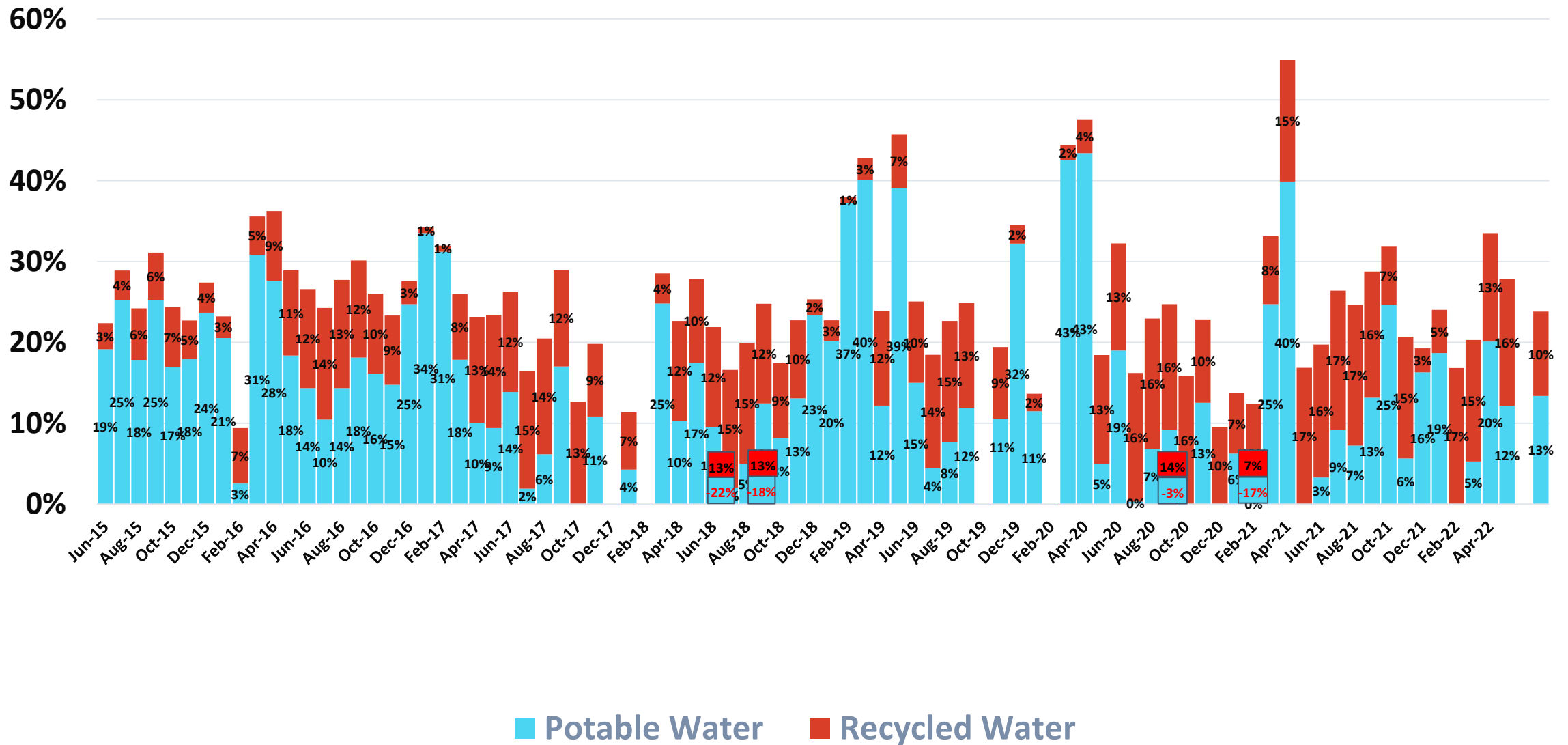
May-22

## Total Recycled Water Production

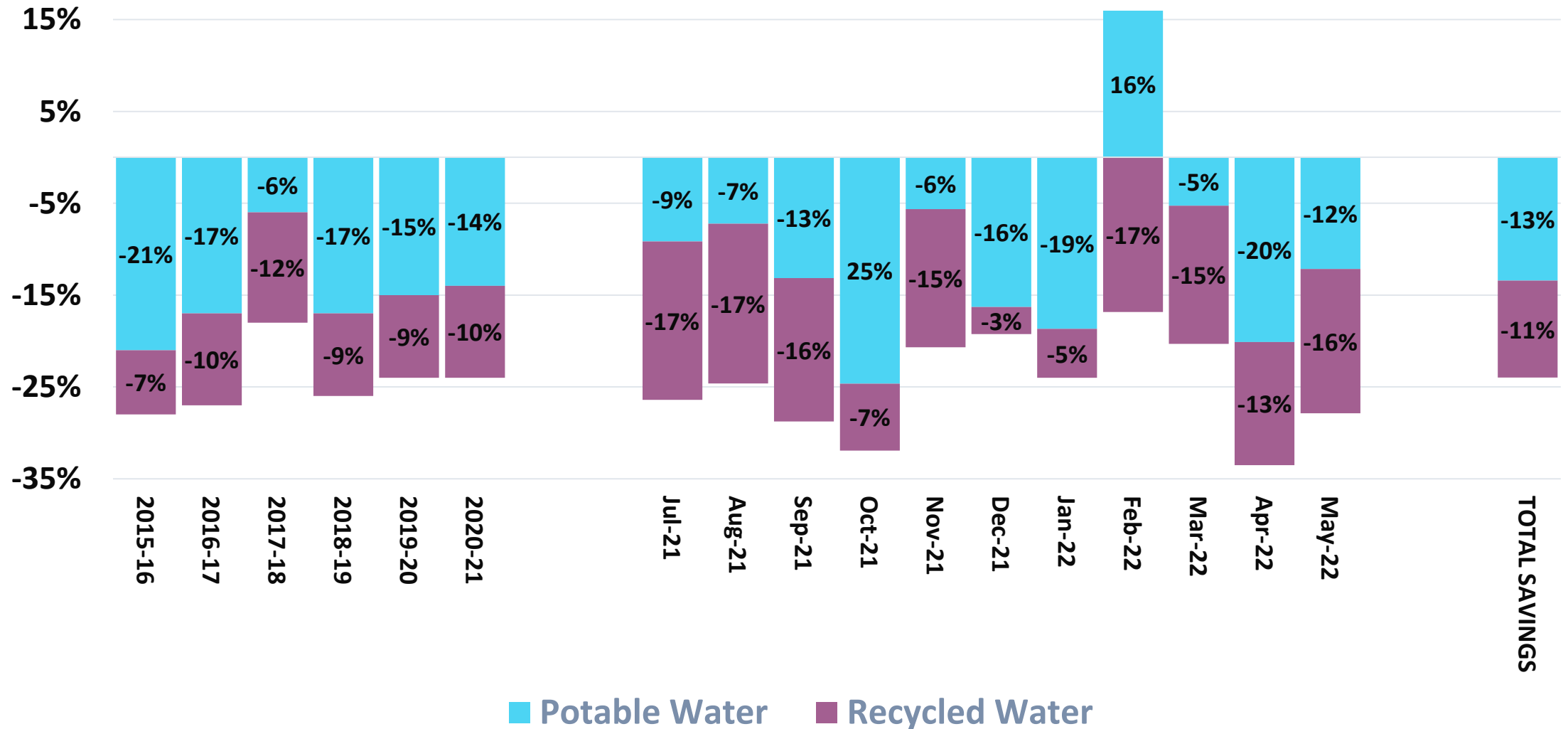
Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q, MGD	0.440	1.446	0.088	1.974
Total Q, MG	13.646	44.814	2.727	61.187
Total Acre Feet	41.878	137.529	8.369	187.776
* Note: A total of 872,940 gallons of potable make-up water was used to supplement				
the recycled water demand for the month of May.				

# ETWD WATER SAVINGS COMPARED TO 2013

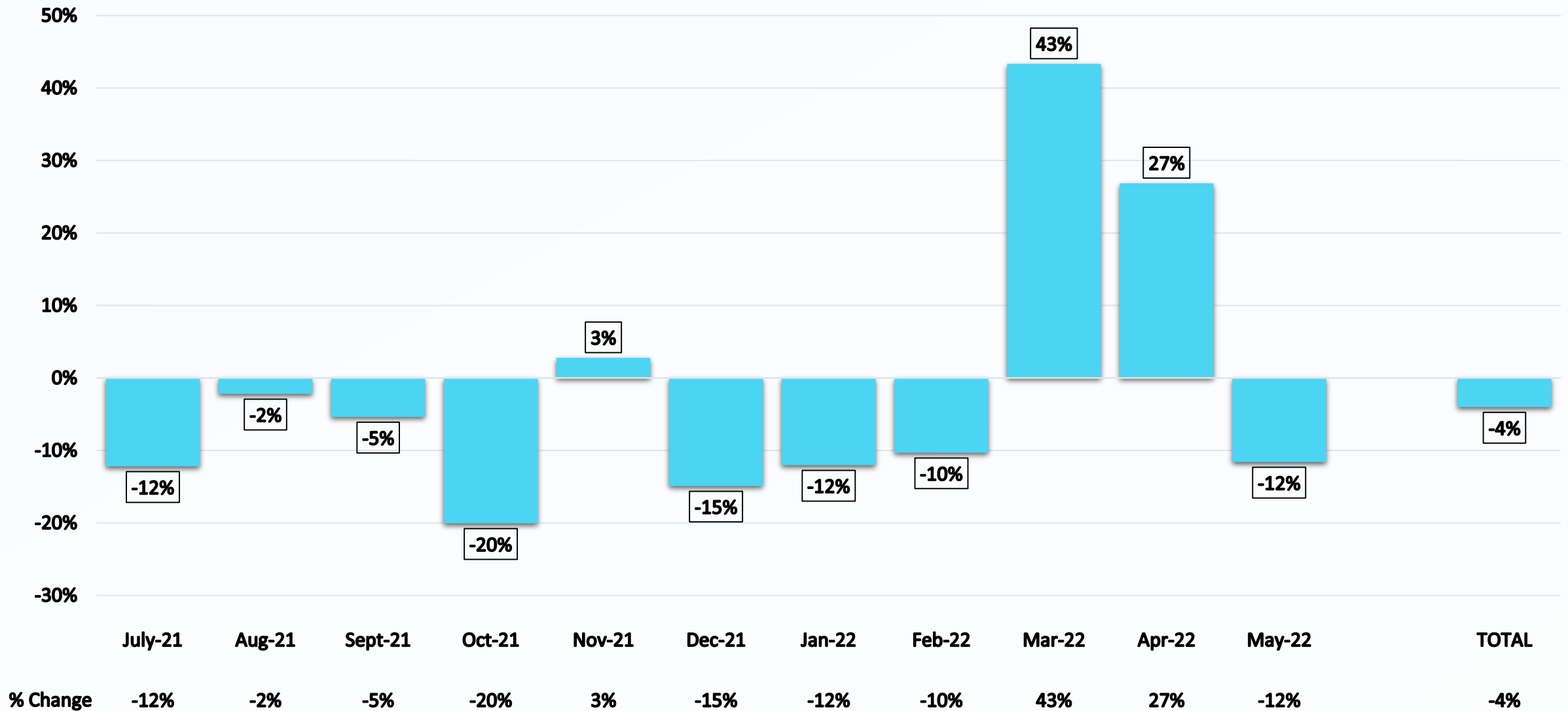




# ETWD WATER USAGE COMPARED TO 2013



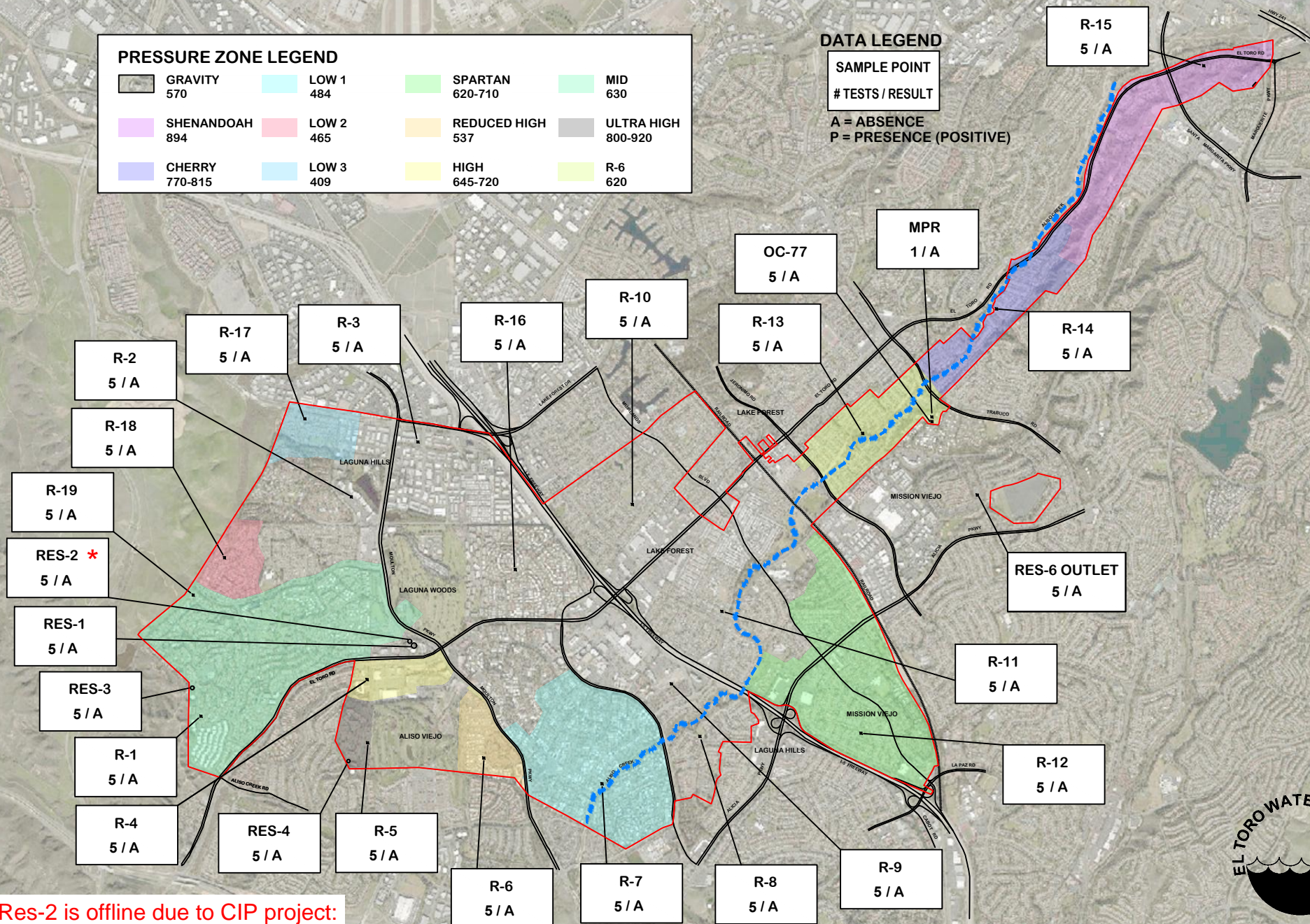
# ETWD WATER USAGE COMPARED TO 2020





# MICROBIOLOGICAL MONITORING

May 2022



\* Res-2 is offline due to CIP project:  
"R-2 Reservoir Interior Recoating"





# CHLORINE RESIDUAL MONITORING

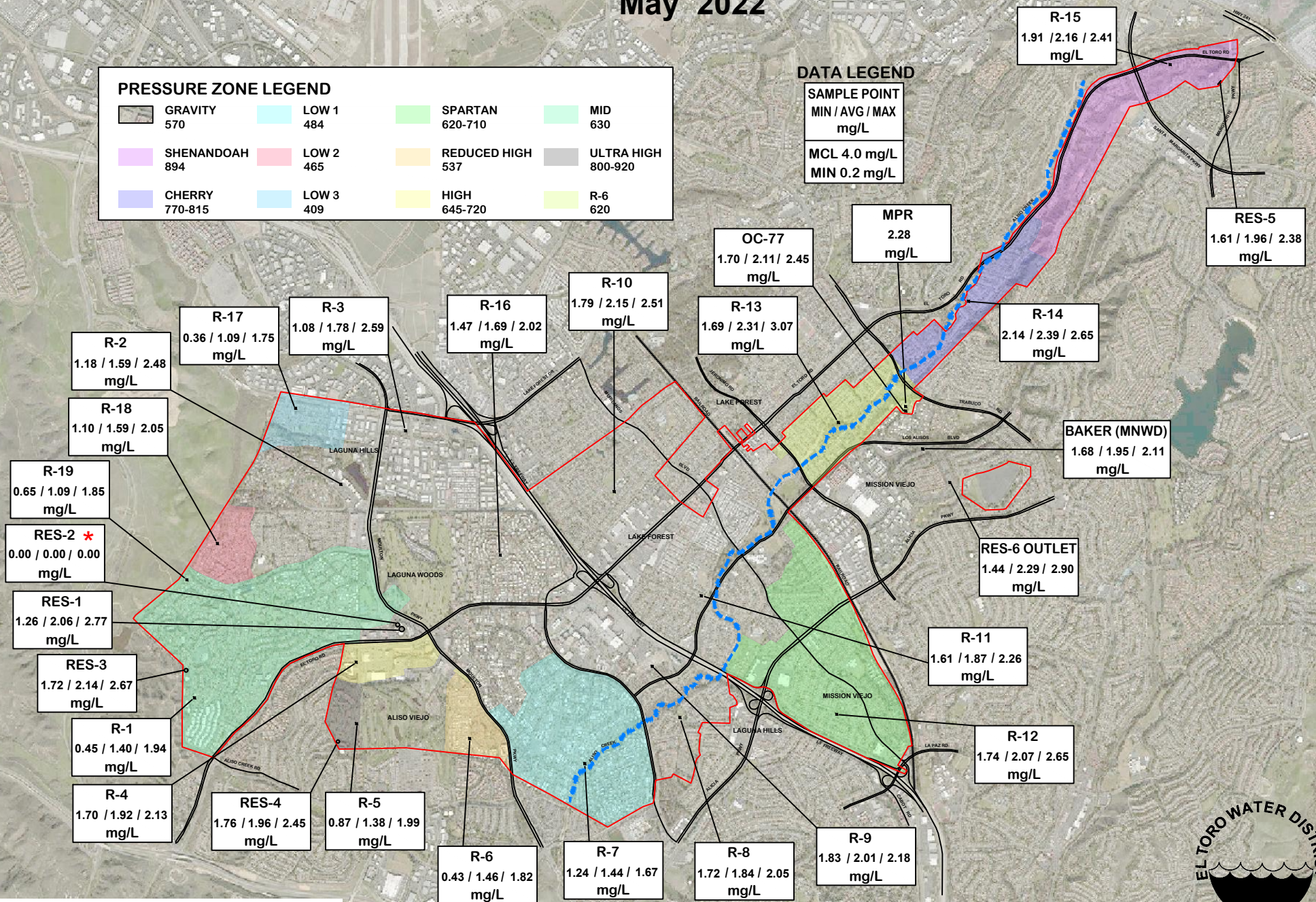
## May 2022

### 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



\* Res-2 is offline due to CIP project:  
"R-2 Reservoir Interior Recoating"





# FLUORIDE MONITORING

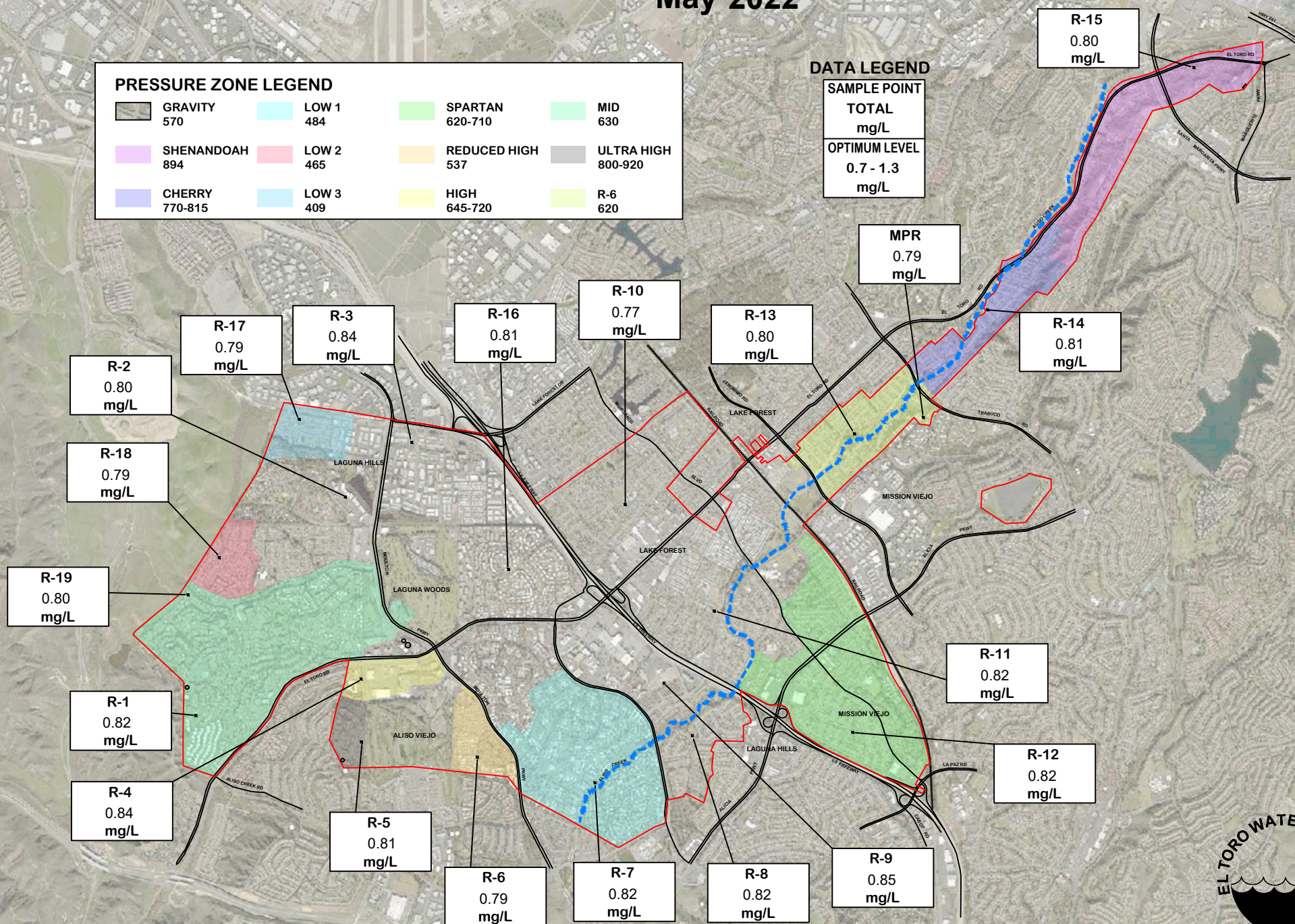
## May 2022

### 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

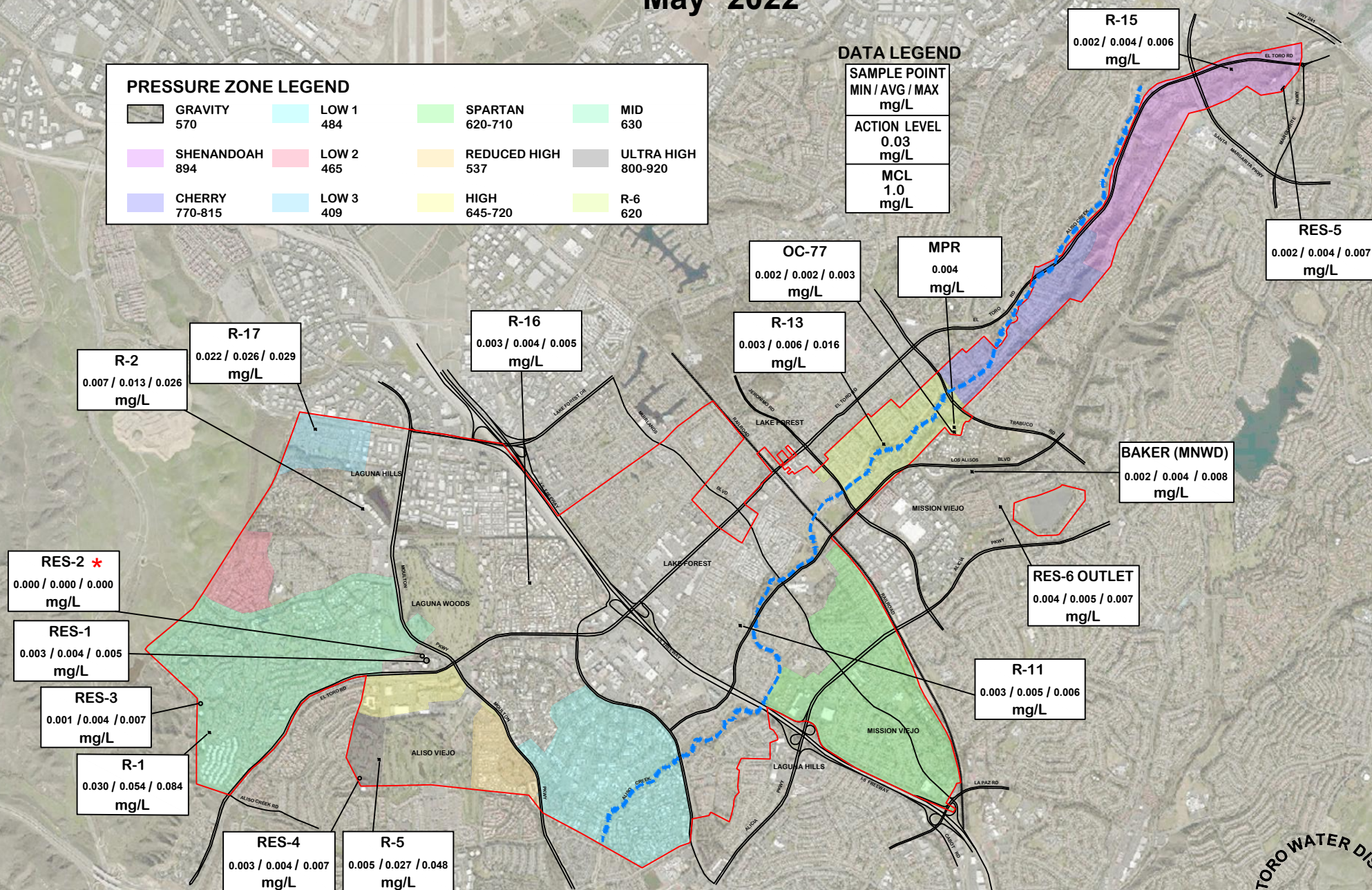
## May 2022

### 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



\* Res-2 is offline due to CIP project:  
"R-2 Reservoir Interior Recoating"





**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:		MAY		YEAR : 2022	
CONSTITUENT ANALYSIS		INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	169	Absence		Average
2 Chlorine (ppm)	Detectable Resid	147	Average = 1.75 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	0.00 to 0.09 Res.		
Odor	3 Units	20	ND<1		
Color	15 Units	20	ND<5		
Temperature	No standard	20	64.0°F To 74.0°F		
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	143	0.001 to 0.049 Res.		

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

**Abbreviations:**

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

# EL TORO WATER DISTRICT COLLECTION SYSTEM ACTIVITY REPORT



**MONTH ENDING:** **MAY** **2022**

<b>ODOR COMPLAINTS</b>	<b>MONTHLY</b>	<b>ANNUAL</b>	<b>LOCATION, ORIGIN, ACTION:</b>		
Outside Laguna Woods Village	0	7			
Laguna Woods Village	0	2			
New World	0	0			
Private System	0	0			
Other: WRP	0	0			
<b>TOTAL</b>	<b>0</b>	<b>9</b>			
<b>ROOT FOAMING</b>	<b>FOOTAGE</b>	<b>CHEMICAL USED</b>	<b>COMMENTS</b>		
Outside Laguna Woods Village	0	0			
Laguna Woods Village	0	0			
New World	0	0			
Other	0	0			
<b>TOTAL</b>	<b>0</b>	<b>0</b>			
<b>ROOT CUTTING</b>	<b>FOOTAGE</b>	<b>COMMENTS:</b>			
Outside Laguna Woods Village	0				
Laguna Woods Village	0				
New World	0				
<b>TOTAL</b>	<b>0</b>				
<b>HYDRO-CLEANING <sup>1</sup></b>	<b>MONTHLY FOOTAGE</b>	<b>TOTAL CYCLE FOOTAGE</b>	<b>TOTAL CYCLE COMPLETE</b>	<b>PERCENT OF CYCLE COMPLETE</b>	<b>PERCENT OF WEEKS INTO THE 2 YEAR CYCLE</b>
Outside Laguna Woods Village	42,035	344,431	450,884	131%	69%
Laguna Woods Village	0	263,336	247,368	94%	69%
New World	0	7,728	5,591	72%	69%
Private System	0		0		
<b>TOTAL</b>	<b>42,035</b>	<b>615,495</b>	<b>703,843</b>	<b>114%</b>	<b>69%</b>
Hot Spots	27,037		457,655		
<b>COMBINED TOTALS:</b>	<b>69,072</b>		<b>1,161,498</b>		
<b>TV INSPECTIONS <sup>2</sup></b>	<b>MONTHLY FOOTAGE</b>	<b>TOTAL CYCLE</b>	<b>TOTAL CYCLE COMPLETE</b>	<b>PERCENT CYCLE COMPLETE</b>	<b>PERCENT OF WEEKS INTO THE 5 YEAR CYCLE</b>
Outside Laguna Woods Village	18,288	344,431	133,820	39%	17%
Laguna Woods Village	0	263,336	3,321	1%	17%
New World	0	7,728	17,270	223%	17%
Private System	0		0		
Other	0		0		
<b>TOTAL</b>	<b>18,288</b>	<b>615,495</b>	<b>154,411</b>	<b>25%</b>	<b>17%</b>
Wet Well Cleaning	0				
Flow Meter/Sampling	0				
Water Tank Fills <b>69</b>	<b>69,000</b>				
<b>1. The Hydrocleaning Objective is a 2 Year Cycle to Clean the Entire System.</b> <b>The current cycle began on 07/01/2020</b>					
<b>2 The TV Inspection Objective is a 5 Year Cycle to Inspect the Entire System.</b> <b>The current cycle began on 01/25/2021</b>					



# Weekly Water Quality System Status

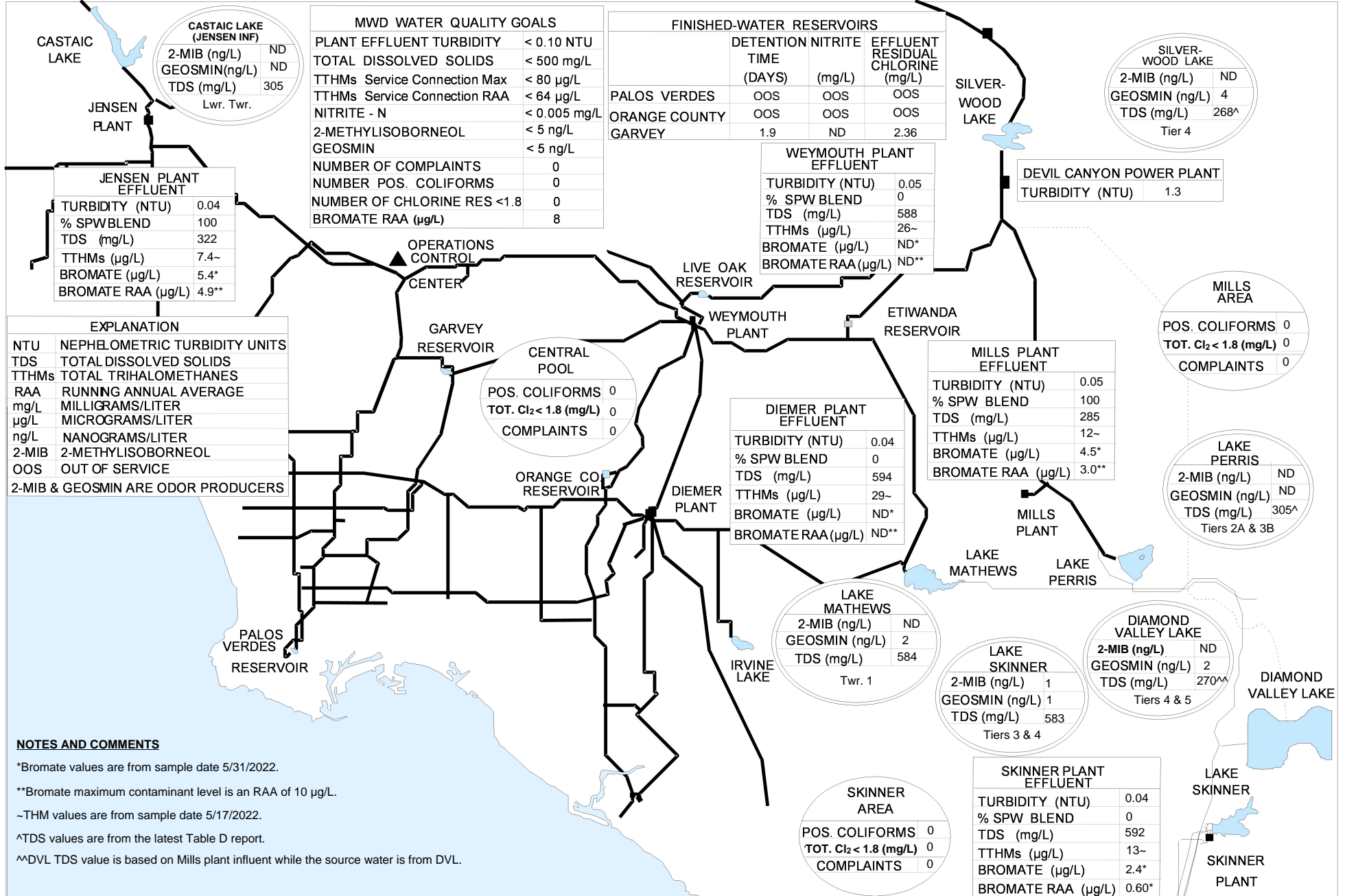
Wednesday, June 8, 2022

Generated On:6/9/2022 4:04:00 PM



## THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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

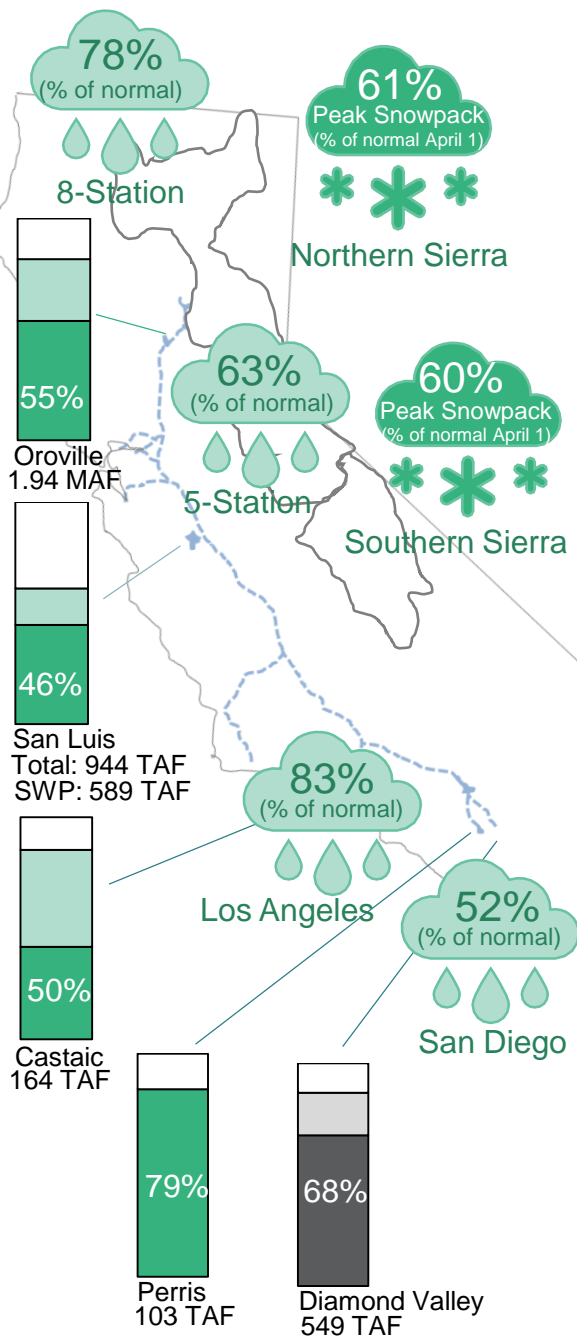


MWD water quality goals meet or exceed all State and Federal regulations.

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

State Water Project  
Resources

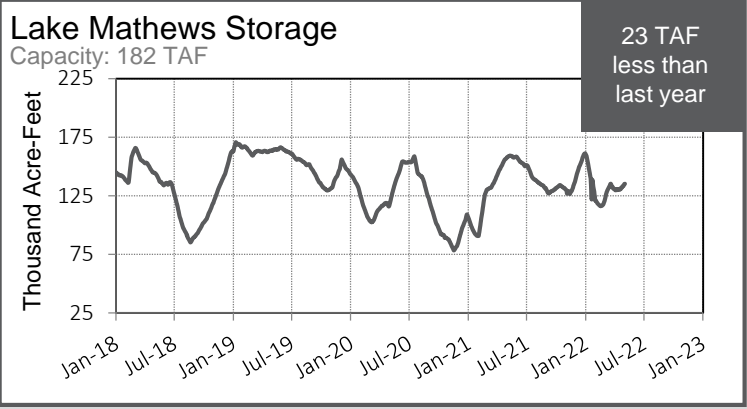
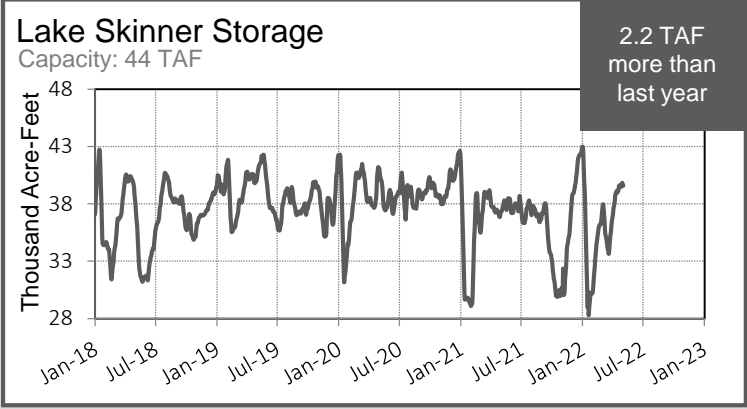
SWP Table A – 5% - 95,575 AF



WATER SUPPLY CONDITIONS REPORT

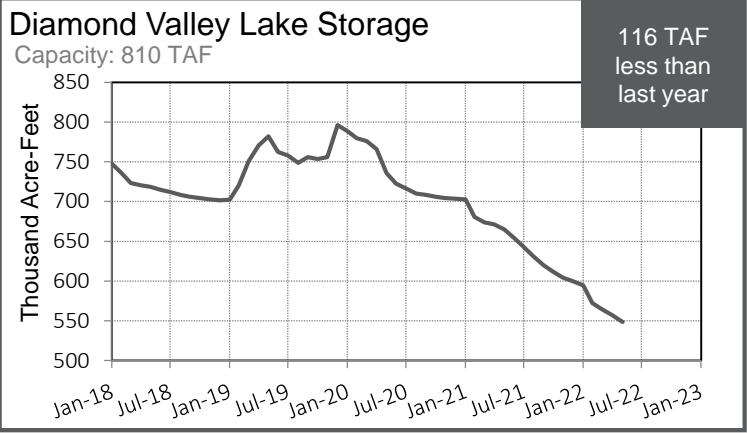
Water Year  
2021-2022  
As of: June 02, 2022

Metropolitan Resources



**MWD WSDM Storage**  
Calendar Year 2022

	Take Capacity
Colorado River Aqueduct Delivery System	351 TAF
State Water Project System	185 TAF
In-Region Supplies and WSDM Actions	426 TAF
Other Programs	10 TAF
<b>Total WSDM Storage Take Capacity</b>	<b>972 TAF</b>



Highlights

- For more information on the current drought:
  - <https://www.mwdh2o.com/planning-for-tomorrow/how-we-plan/drought/>



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](mailto:mferreira@mwdh2o.com)

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

Colorado River  
Resources

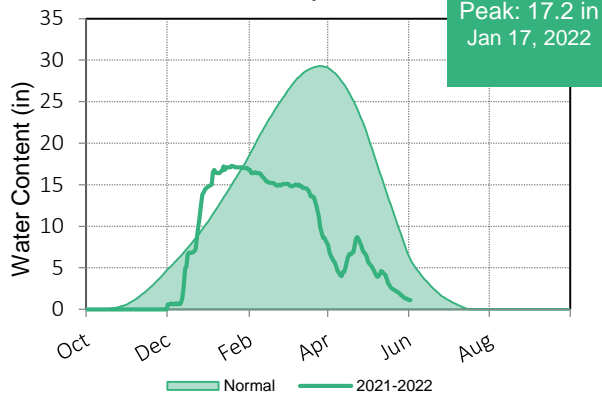
Projected CRA Diversions – 1,135,000 AF



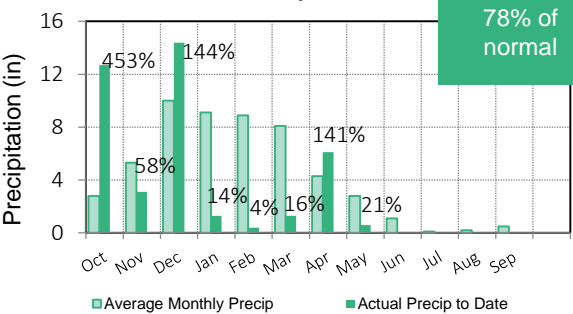
# State Water Project Resources

As of: 06/02/2022

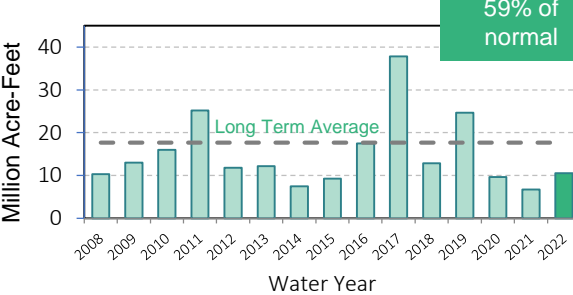
## Northern Sierra Snowpack



## 8 Station Index Precipitation



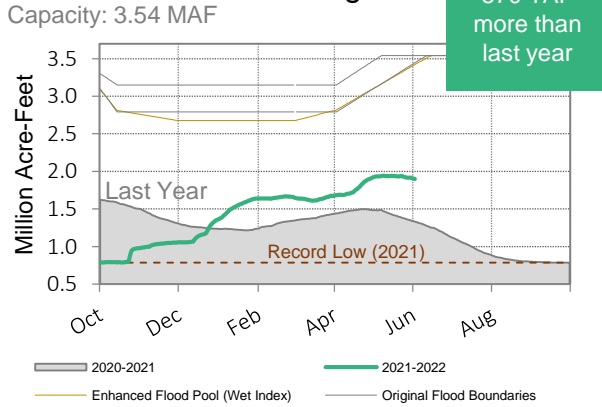
## Sacramento River Runoff



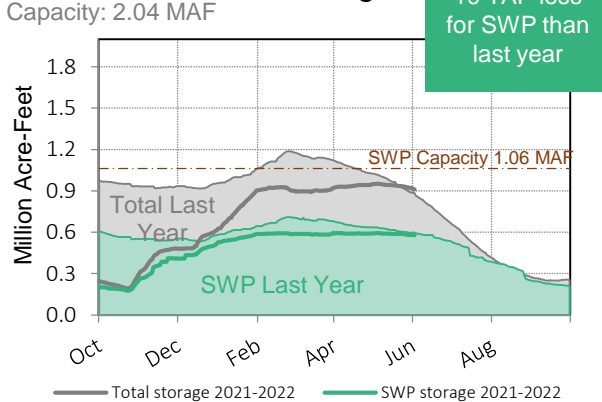
## Other SWP Supplies Calendar Year 2022

Carryover 38,000 AF (Est.)

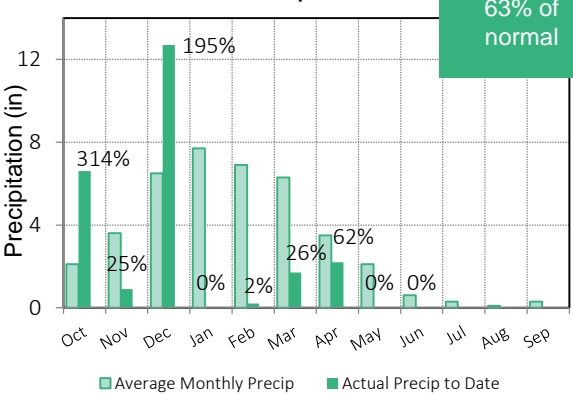
## Oroville Reservoir Storage



## San Luis Reservoir Storage



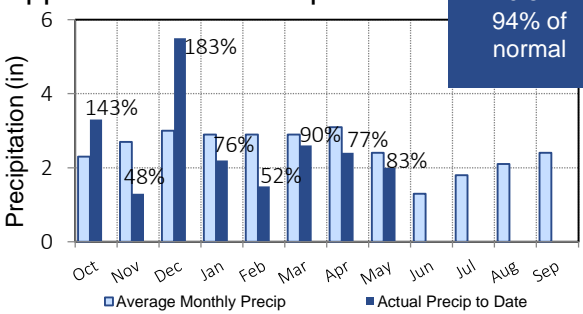
## 5 Station Index Precipitation



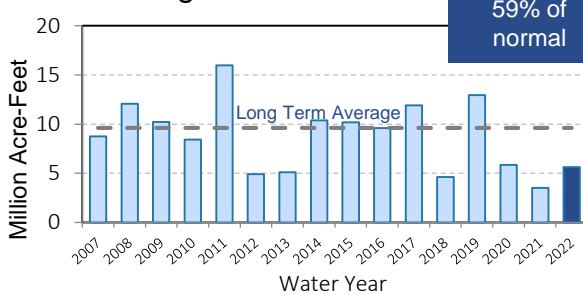
# Colorado River Resources

As of: 06/02/2022

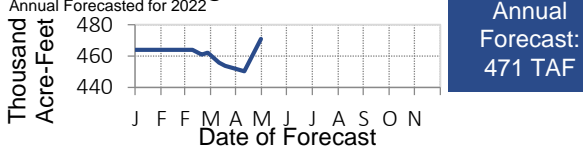
## Upper Colorado Precipitation



## Powell Unregulated Inflow



## PVID/Yuma Agricultural Use



## Projected Lake Mead ICS

Calendar Year 2022 Put (+) / Take (-)  
-280,000 AF

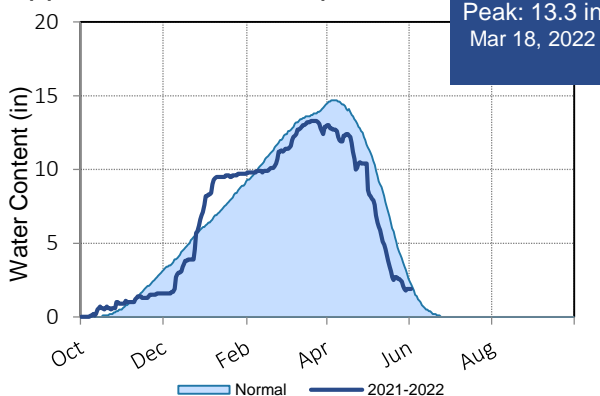
## Lake Mead Surplus/Shortage Outlook

	2022	2023	2024	2025	2026
Surplus	0%	0%	0%	0%	0%
Shortage	100%	100%	93%	100%	87%
Metropolitan DCP*		3% 180 TAF	70% 272 TAF	66% 290 TAF	56% 299 TAF

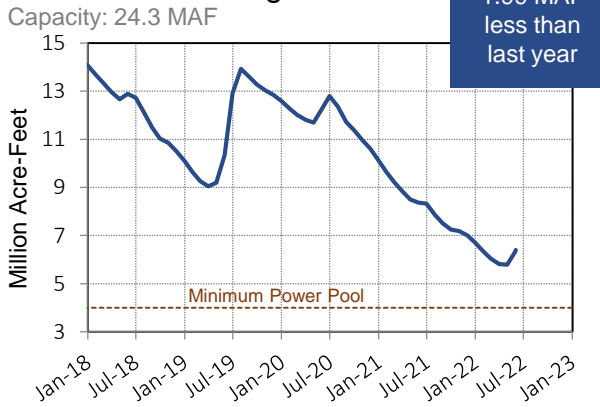
Likelihood based on results from the May 2022 CRMMS in Ensemble Mode/CRSS model run. Includes DCP Contributions. Only includes 500+ Plan items implemented to date.

\* Chance of required DCP contribution by Metropolitan. Volume is average contribution when needed.

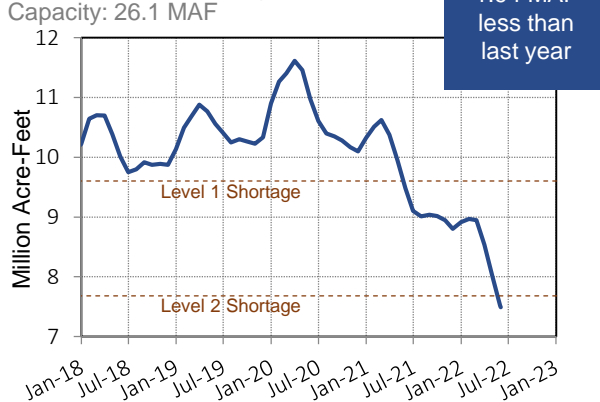
## Upper Colorado Snowpack



## Lake Powell Storage



## Lake Mead Storage





## Memorandum

**DATE:** June 14, 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

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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.

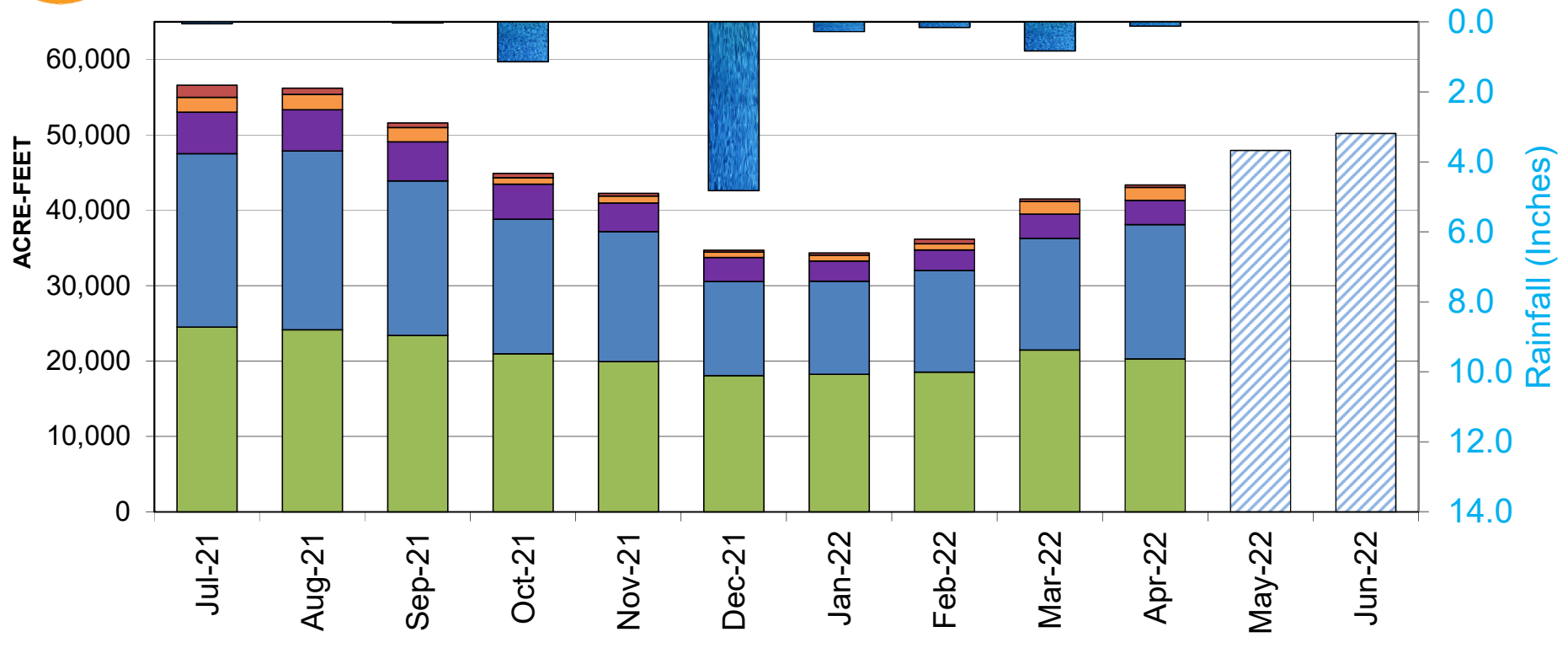
- OC Water Usage, Monthly by Supply ***OCWD Groundwater was the main supply in April.***
- Estimated OC Water Usage, Monthly, Comparison to Previous Years Water usage in April ***2022 was above average compared to the last 5 years.*** We are projecting a decrease in overall water usage compared to FY 2020-21. On July 8<sup>th</sup> 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 ***540,000 AF in FY 2021-22 (this includes ~11 TAF of agricultural usage and non-retail water agency usage).*** This is about ***20,000 AF less than FY 2020-21*** and is about ***7,000 AF more than FY 2019-20.*** Water usage per person is projected to be slightly lower in ***FY 2021-22 for Orange County at 153 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. 1<sup>st</sup> through Sept. 30<sup>th</sup>.

- Orange County's accumulated precipitation through **late May was below average** for this period. Water year to date rainfall in Orange County is **7.43 inches**, which is **59% of normal**.
- Northern California accumulated precipitation through **late May was 83% 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 27% as April 1<sup>st</sup>, 2022**. **As of late May, 99.86%** of California is experiencing **moderate to severe drought conditions**. **59.81%** of California is experiencing **extreme to exceptional drought conditions**. The State Water Project Contractors Table A Allocation was decreased in March to 5% for WY 2022.
- Colorado River Basin accumulated precipitation through **late May was 92% of normal** for this period. The **Upper Colorado Basin snowpack was 86% of normal** as of April 15<sup>th</sup> 2022. **Lake Mead and Lake Powell** combined have about **40.0% of their average storage volume** for this time of year and are at **27.6% 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 late May was **27.00' BELOW the "trigger" limit**. The USBR has declared a **shortage on the Colorado River starting January 1<sup>st</sup> 2022. There is and a 100% chance of shortage continuing in 2023, 93% in 2024, 93% in 2025 and 93% in 2026.** Lake Mead as of late May was **3.00' ABOVE the State of California "trigger" limit**. The USBR has declared a **shortage on the Colorado River for the State of California starting January 1<sup>st</sup> 2022. There is and a 100% chance of shortage continuing in 2023, 93% in 2024, 93% in 2025 and 93% in 2026.**



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

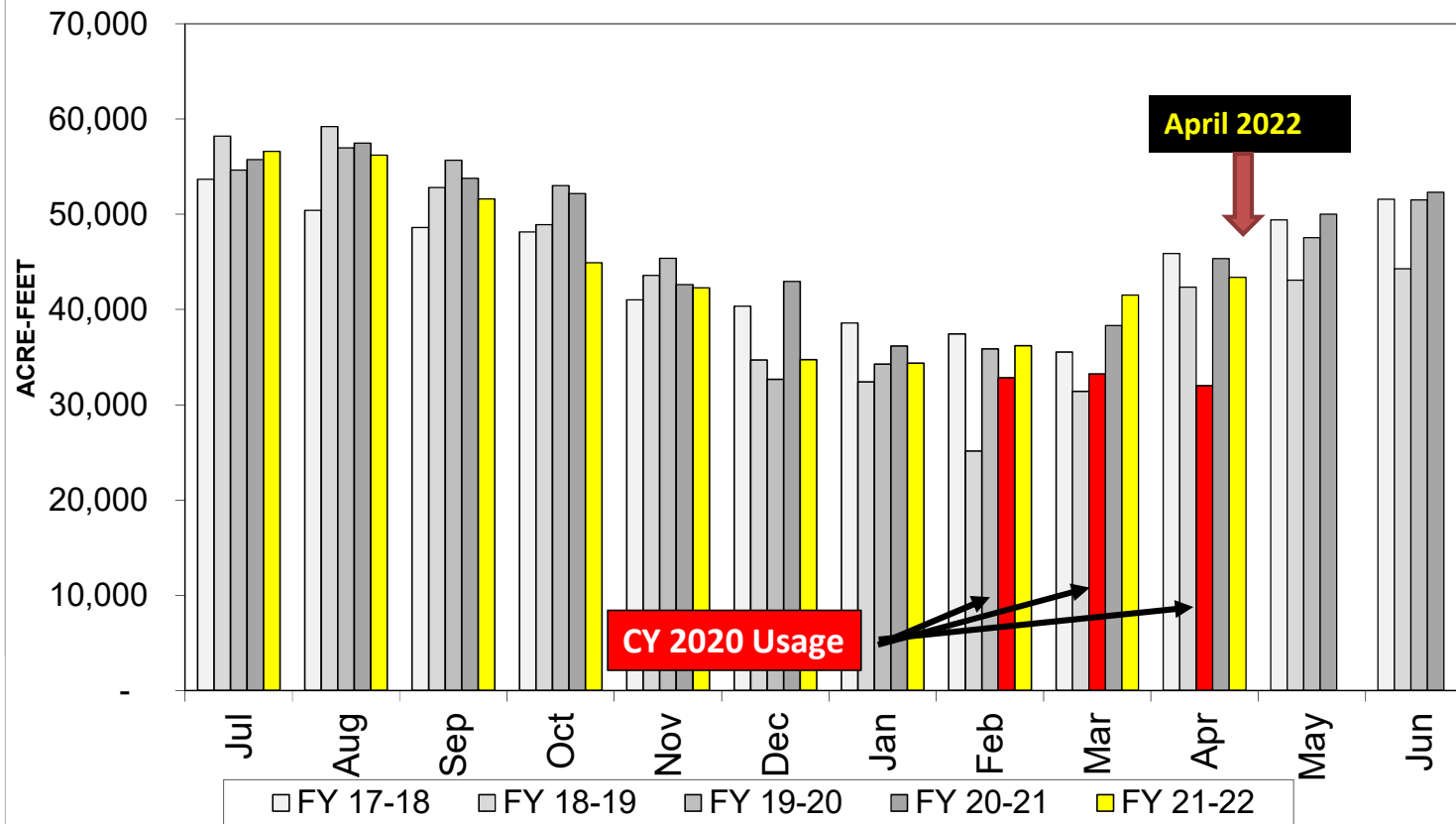


- [1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water and deliveries into Irvine Lake.
- [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted 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.

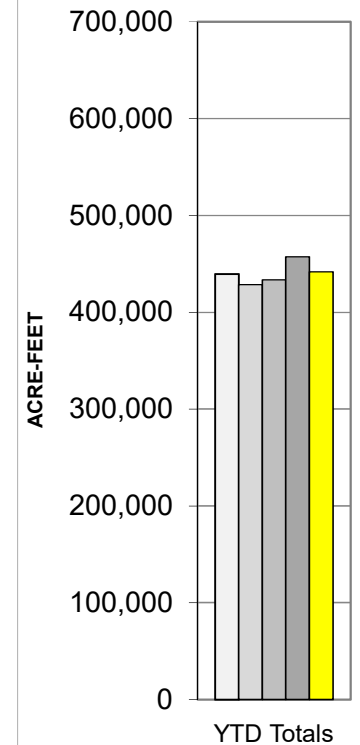




**Fig. 2 OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years**

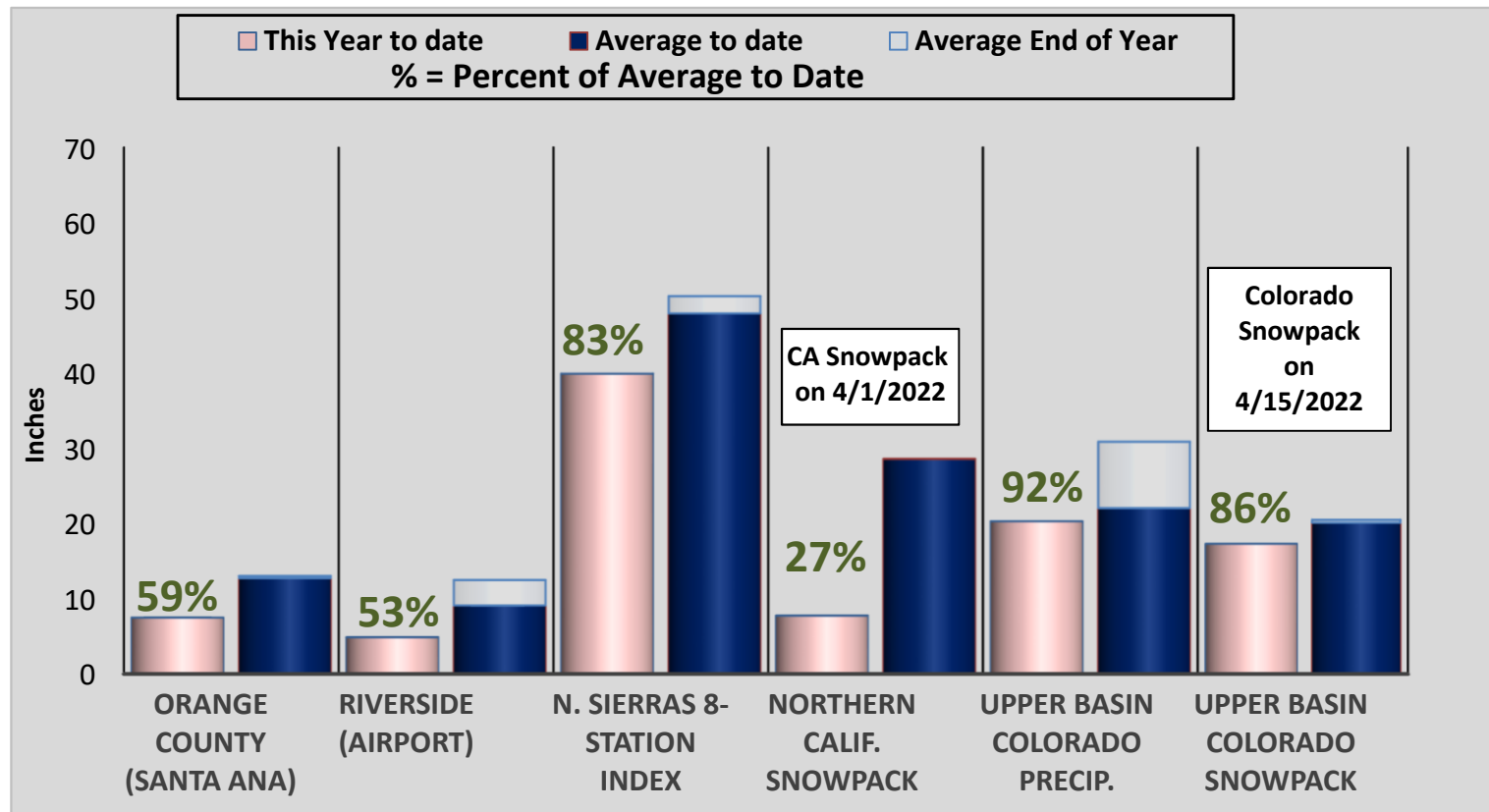


**Partial Year Subtotals**



[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, late May 2022

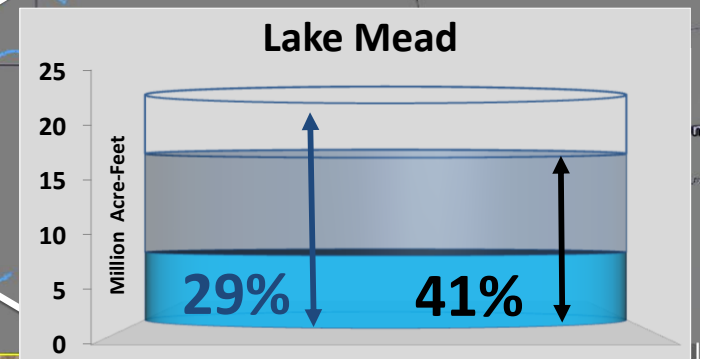
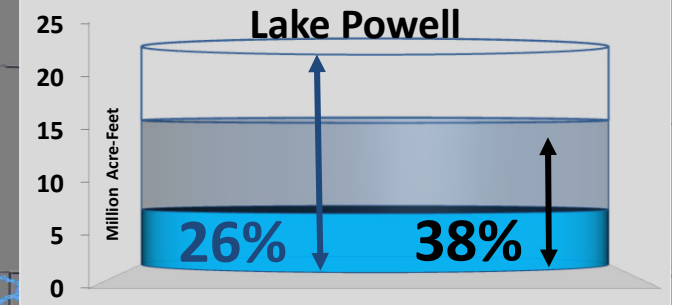
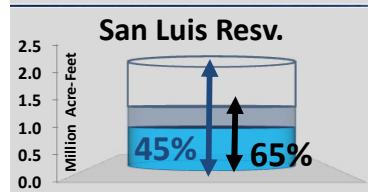
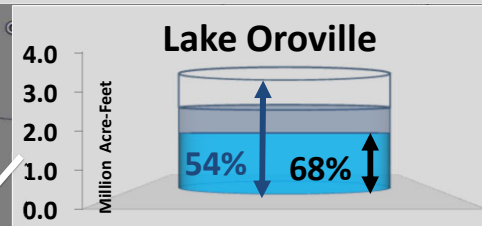
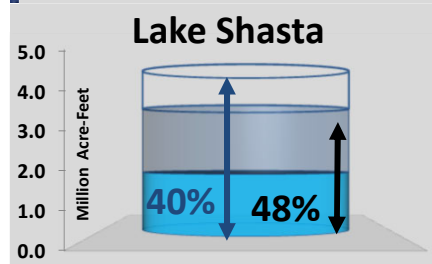


\* The date of maximum snowpack accumulation (April 1st in Northern Calif. , April 15th in the Upper Colorado Basin) is used for year to year comparison.



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

as of May 31, 2022



Reservoir Storage  
Historical Reservoir Storage

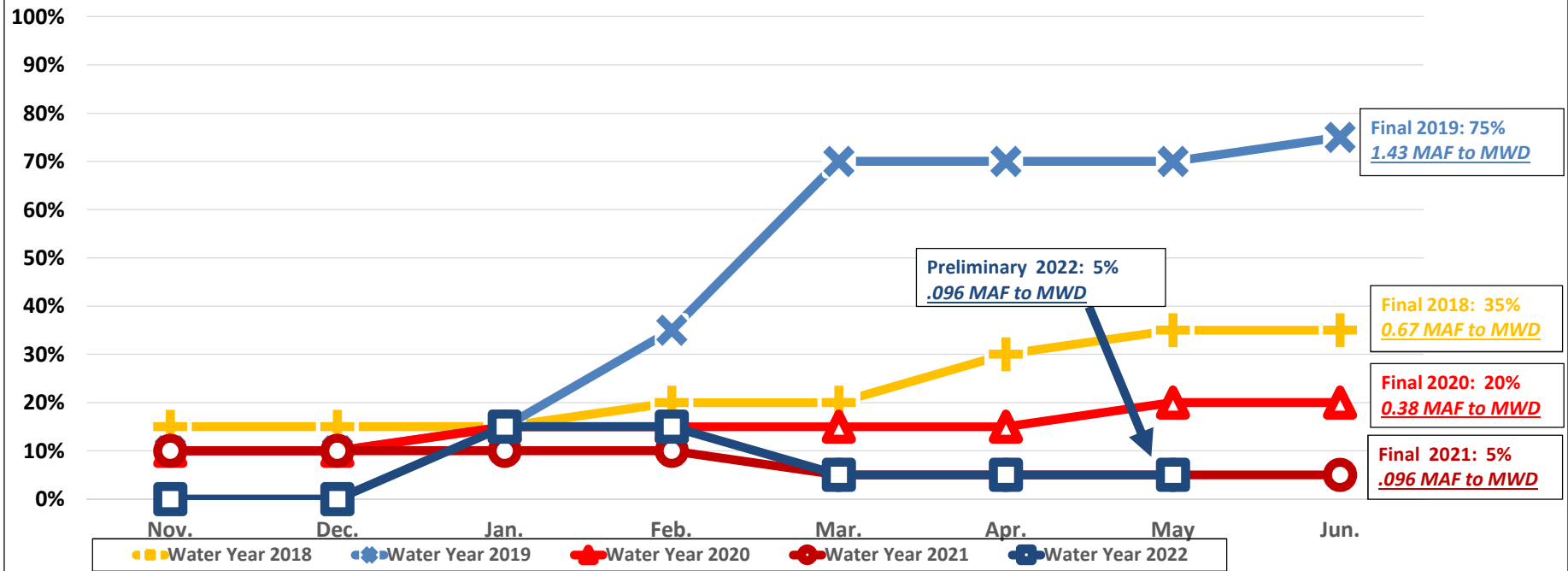
SWP Take Capacity = 0.185 MAF  
CRA Take Capacity = 0.351 MAF  
In Region Take Capacity = 0.426 MAF



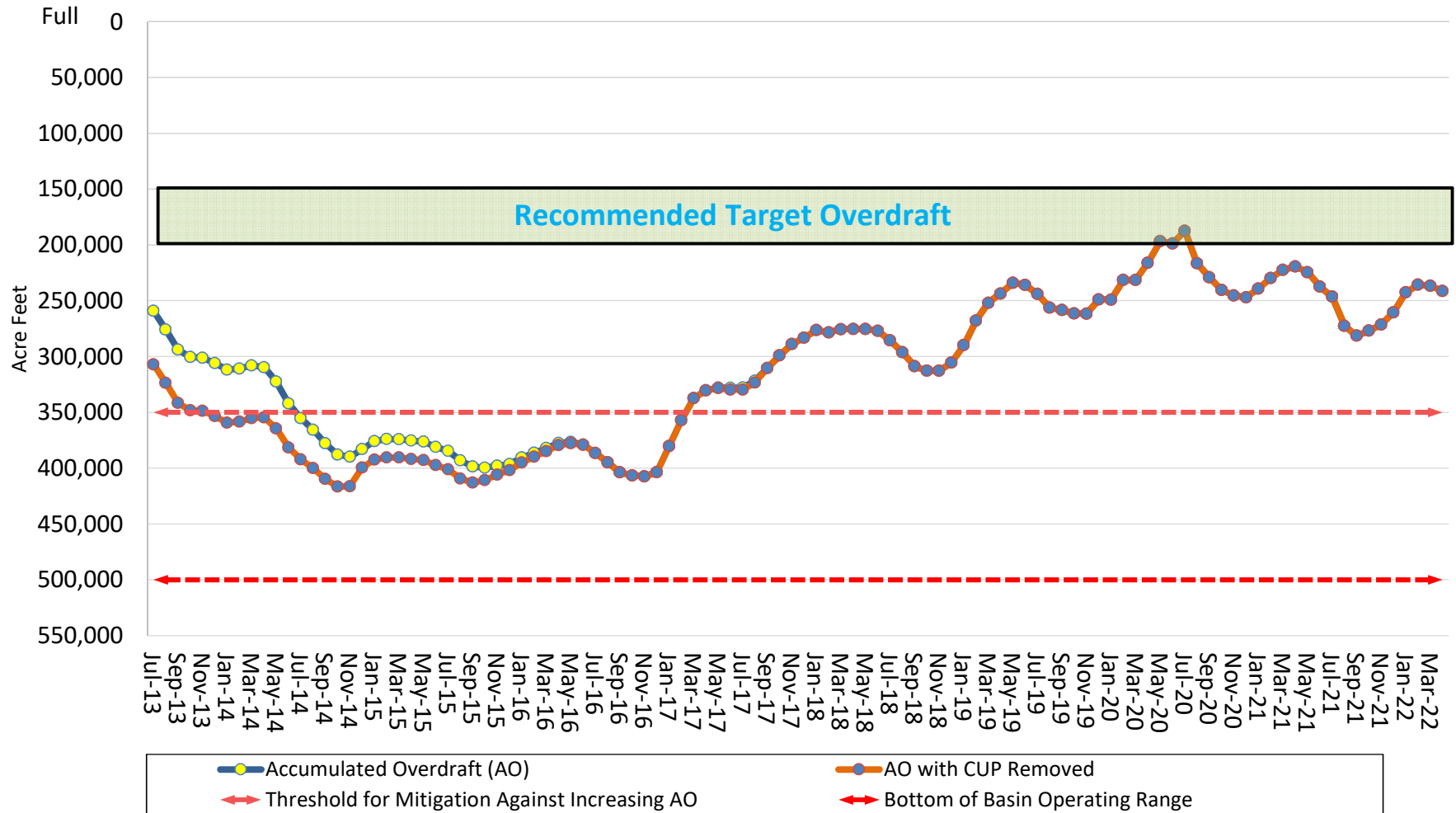
prepared by the Municipal Water District of Orange County  
\*Numbers are Subject to Change

## SWP TABLE A ALLOCATION PERCENTAGE

FOR STATE WATER PROJECT CONTRACTORS



## Accumulated Overdraft of the OCWD Groundwater Basin as of April 2022

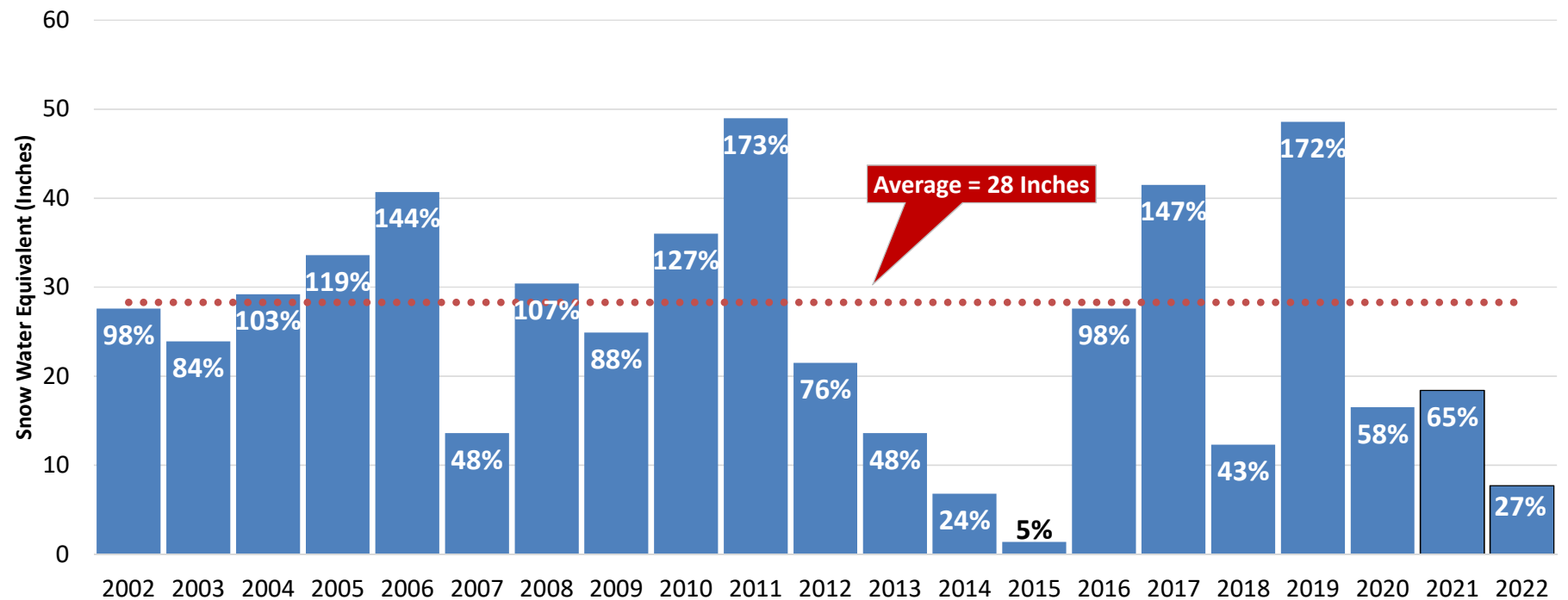


	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
AO (AF)	187,392	216,548	229,124	240,414	245,441	246,998	239,329	229,738	222,470	219,388	224,458	237,335
AO w/CUP removed (AF)	187,392	216,548	229,124	240,414	245,441	246,998	239,329	229,738	222,470	219,388	224,458	237,335
	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	242,511	235,744	236,708	241,450		
AO w/CUP removed (AF)	246,350	272,442	281,354	276,909	271,455	260,387	242,510	235,744	236,708	241,450		

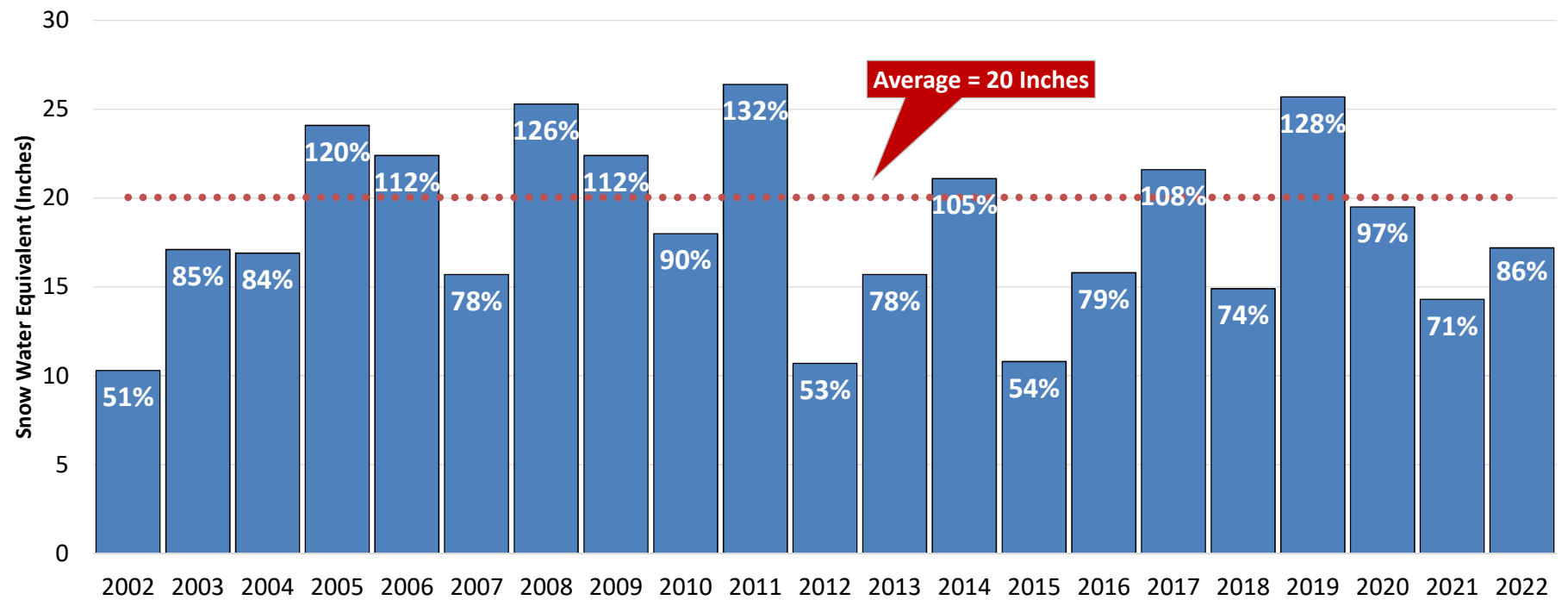
\* Source ~ OCWD Monthly Board of Directors Packet, Water Resources Summary



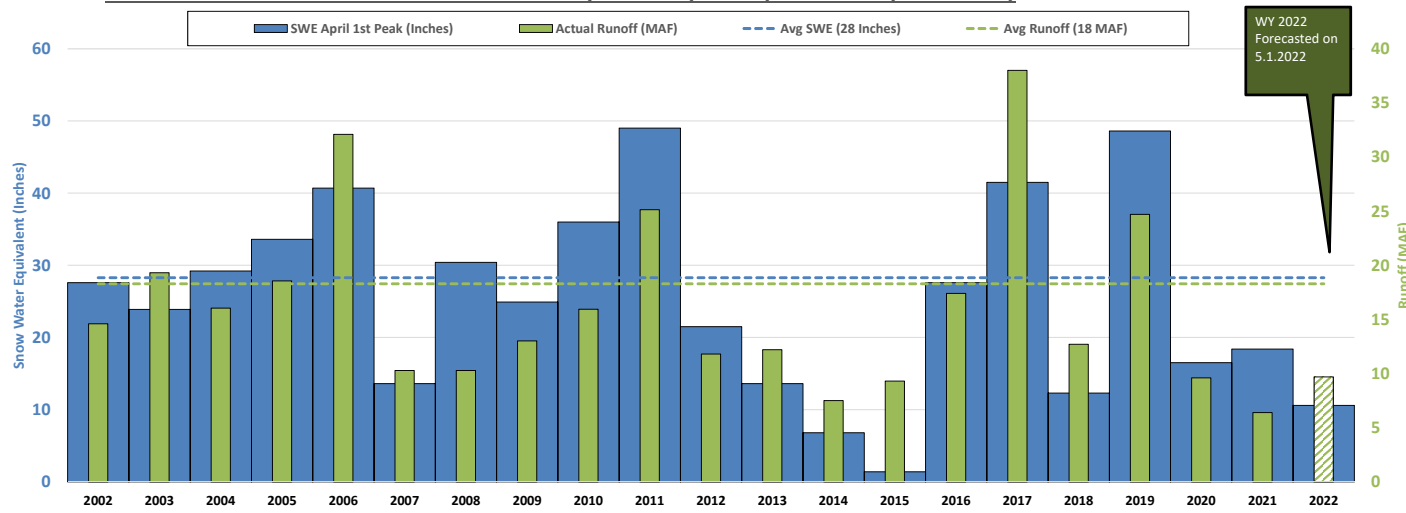
### Historical Northern California April 1st Peak Snow Water Equivalent



Historical Colorado Basin April 15th Peak Snow Water Equivalent



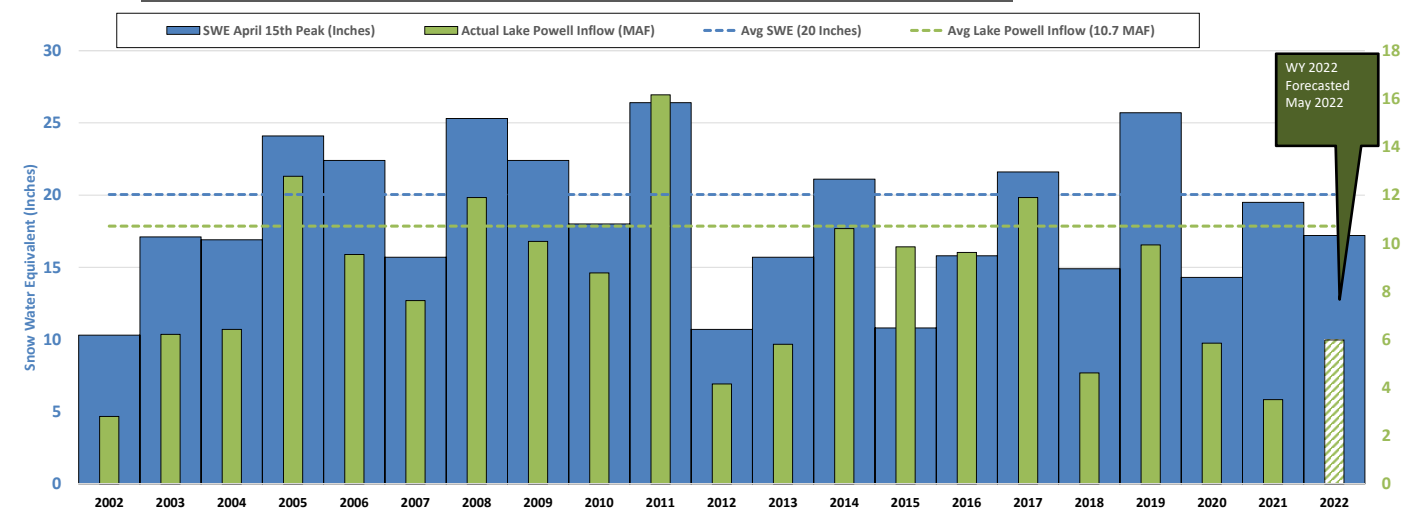
### Northern California Historical Snow Water Equivalent (Inches) Vs Runoff (Million AF)



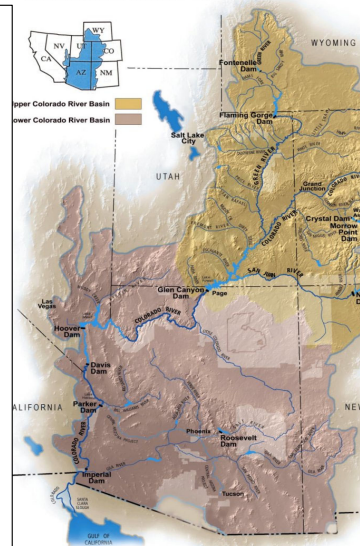
### Sacramento River Basin



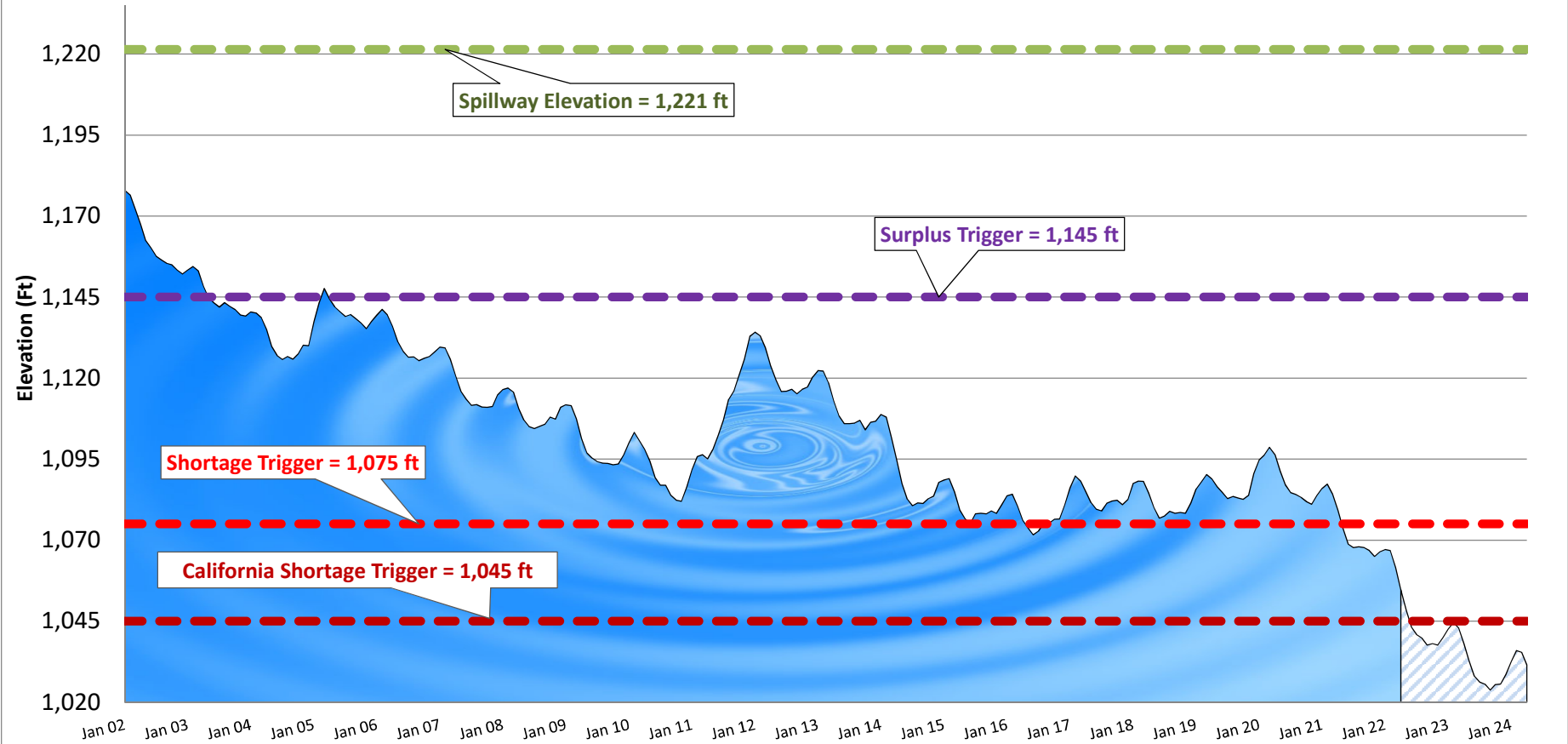
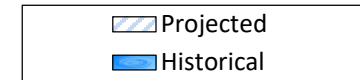
### Upper Colorado Historical Snow Water Equivalent (Inches) Vs Runoff (Million AF)



### Colorado River Basin

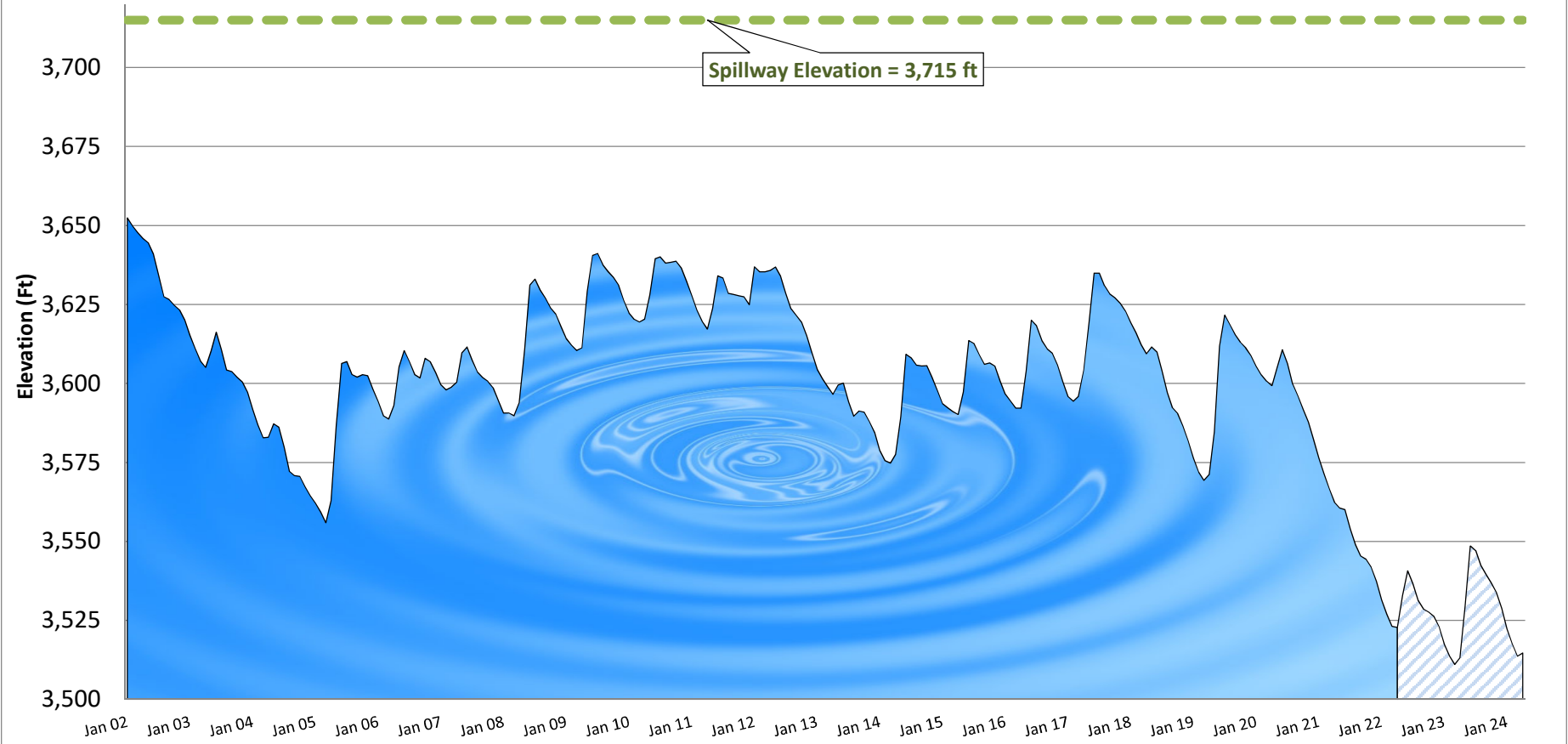


## Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study



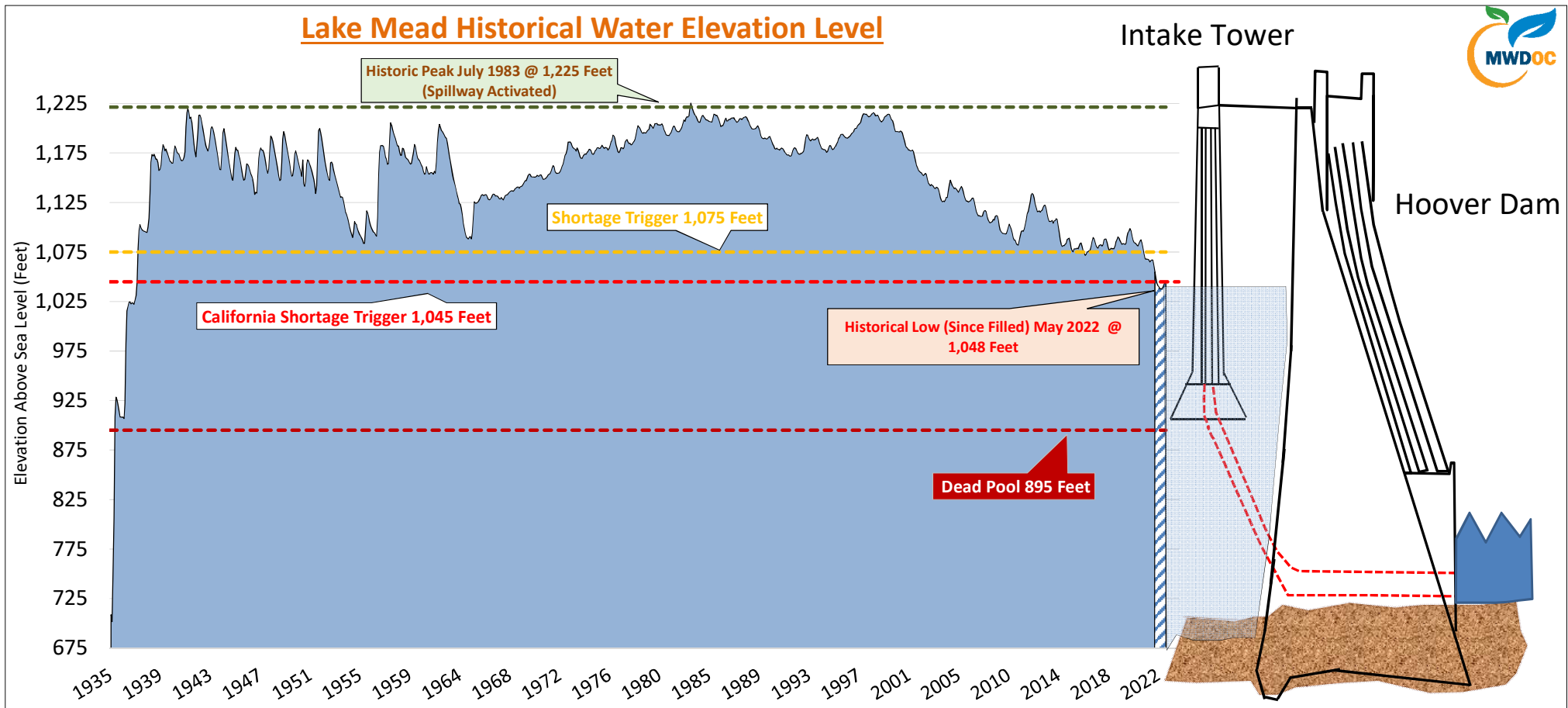
## Lake Powell Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical    □ Projected

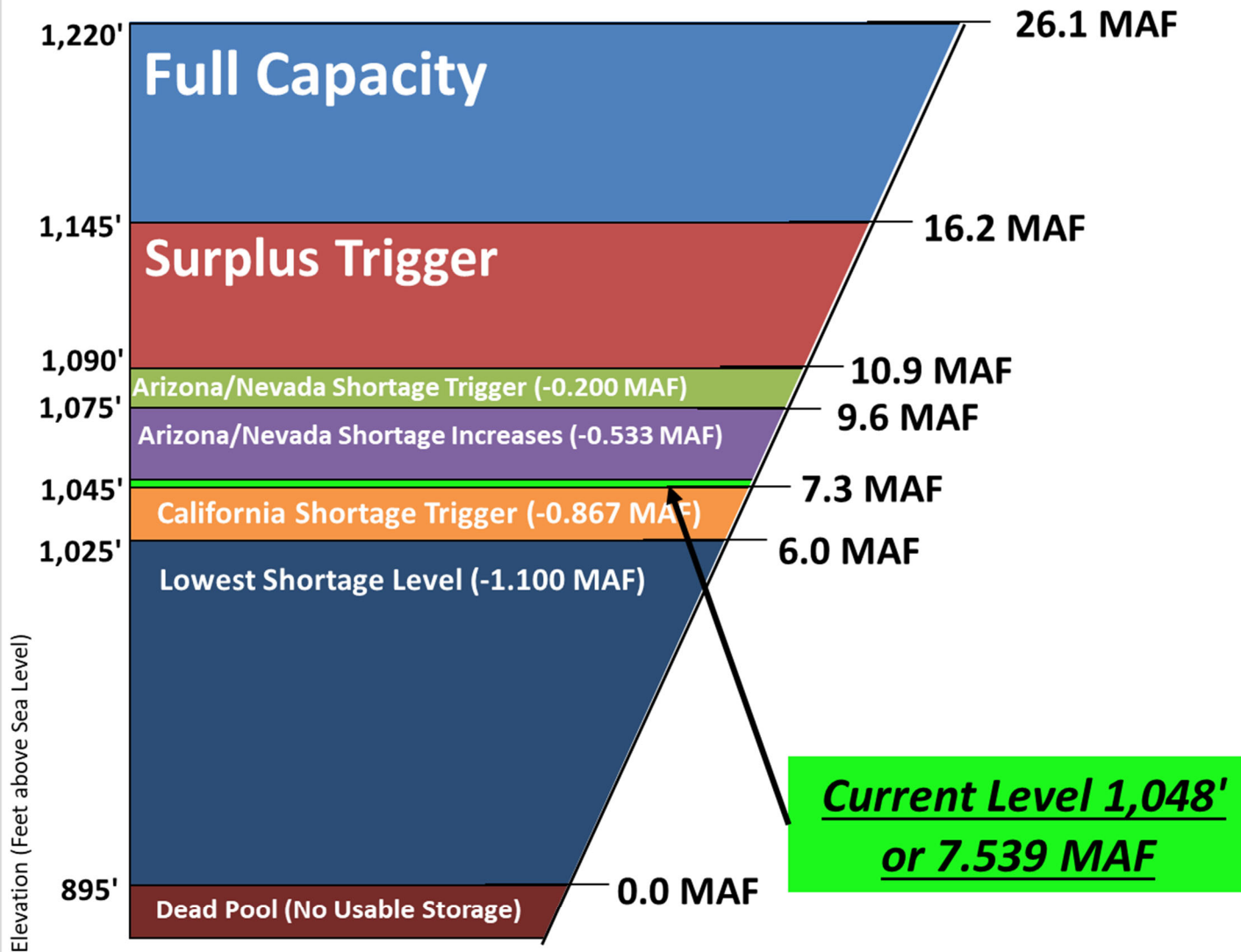




## Lake Mead Historical Water Elevation Level



## Lake Mead Storage Level



# WILL SERVE SUMMARY REPORT

## MAY 2022

PROJECT NAME	PROJECT DESCRIPTION	PHASE	CFF
Arbors Access Ramp	Adding a 1-1/2" water service connection with backflow protection and connecting to the existing private sewer service	Construction	\$ 28,785
Burger Town Sewer Connection	Addition of a 4" sewer lateral	Construction	\$ -
Twin Peaks Plaza Improvements	Conversion of existing fuddruckers into 3 tenants. Project will convert existing services to use (3) 1" meters and add a fire service.	Construction	\$ 3,582
Heritage Medical Offices Oakbrook Village Suite H	Upgrade the existing service to a 2-inch and add backflow.	Close-Out	\$ 24,289
Hunter Court Relocation of Water and Sewer Facilities	Relocation of two existing fire hydrants and backflow device in a parking lot	Close-Out	\$ -
Kiddie Academy	Conversion of existing 1" meter into a 1-1/2" meter with backflow protection	Close-Out	\$ 5,126
Laguna Woods City Hall-Library Project	Addition of a 2,100 sq ft single story library with relocated fire service and relocating a fire hydrant	Construction	\$ 4,391
Mountain View Housing	Development of affordable housing to include a fire hydrant, multiple water meters, a fire service with backflow protection, and a 2" irrigation meter	Construction	\$ 79,582
Target	Addition of an irrigation service, fire services, and potable water services	Construction	\$ 28,960
The Village at Laguna Hills	Development consisting of installation of various sized watermains, domestic services, fire services, irrigation services, and sewer services	Plan Check	Not Yet Calculated

# WILL SERVE SUMMARY REPORT

## MAY 2022

PROJECT NAME	PROJECT DESCRIPTION	PHASE	CFF
Womens Health Pavilion	New construction of a health pavilion with water services, irrigation services, sewer services, and fire water services.	Construction	\$ 21,856
Laguna Hills Inn Fire Sprinkler Upgrade	Fire System upgrades including conversion of a fire hydrant to private and addition of a 6-inch DCDA	Construction	\$ -
Island Pacific Market	Tenant Improvement conversion of a retail space into a market	Construction	Not Yet Calculated
Mercado El Rey Expansion	Expansion of the market	Plan Check	Not Yet Calculated

**EL TORO WATER DISTRICT  
UNAUTHORIZED DISCHARGE SUMMARY  
YEAR OF 2022**

[illegible]



## WRP BATTERY STORAGE SYSTEM

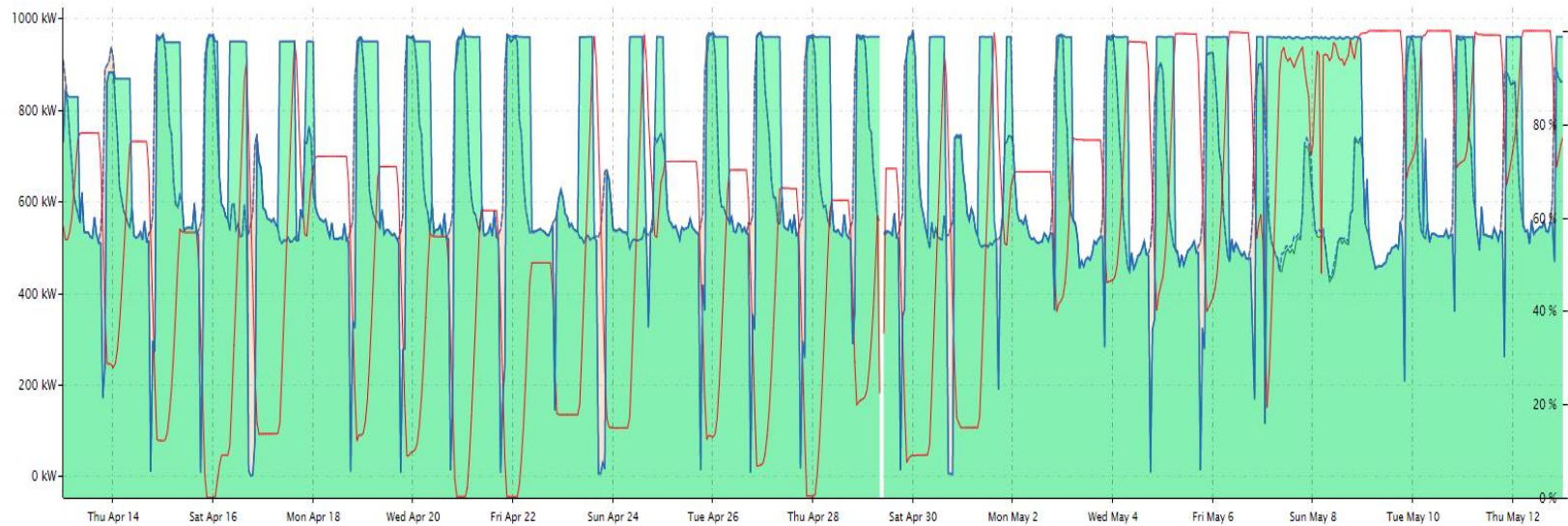
### MONTHLY REPORT

May, 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)
01/14/21 - 02/11/22	\$ 79.50	\$ (1,510.50)
02/11/22 - 03/14/22	\$ 647.34	\$ (942.66)
03/15/22 - 04/13/22	\$ 2,556.61	\$ 966.61
04/13/22 - 05/13/22	\$ 115.14	\$ (1,474.86)

**TOTAL**      \$      **15,693.89**      \$      **1,383.89**



## Sewerage Treatment Plant



23542 Moulton Pkwy, Laguna Woods, CA 92637

### Savings Report - 2022-05

Apr 13, 2022 - May 13, 2022

SCE TOU 8 Option D (< 2kV)

Demand Charges	Before Storage		After Storage		Savings	
Maximum Demand Charges	981kW	\$19,160.21	982kW	\$19,180.46	(1)kW	\$(20.26)
Winter Mid-Peak (Weekdays)	931kW	\$9,818.99	928kW	\$9,787.17	3kW	\$31.81
Sub-total		\$28,979.19		\$28,967.64		\$11.56
Energy Charges	Before Storage		After Storage		Savings	
Winter Mid-Peak	87,671kWh	\$10,190.26	39,990kWh	\$4,648.36	47,681kWh	\$5,541.90
Winter Off-Peak	229,812kWh	\$24,038.69	265,992kWh	\$27,823.23	(36,180)kWh	\$(3,784.54)
Winter Super Off-Peak	123,647kWh	\$10,233.36	143,140kWh	\$11,847.14	(19,493)kWh	\$(1,613.78)
Sub-total		\$44,462.31		\$44,318.72		\$143.58
Other Monthly Charges	Before Storage		After Storage		Savings	
Customer and Other		\$747.89		\$747.89		\$ -
Sub-total		\$747.89		\$747.89		\$ -
Total	Before Storage		After Storage		Savings	
		\$74,189.39		\$74,034.25		\$155.14

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.

**IRVINE RANCH WATER DISTRICT  
BAKER WATER TREATMENT PLANT (BWTP)  
January - March 2022**

Water Treatment Plant (5191)		
Agency	Percentage	Amount
IRWD	24.138%	\$ 278,508.51
SMWD	29.885%	344,818.40
MNWD	29.885%	344,818.40
ETWD	11.494%	132,619.80
TCWD	4.598%	53,052.54
Total:	100.000%	\$ 1,153,817.65

Product Water Facility (5192)		
Agency	Percentage	Amount
IRWD	0.000%	\$ -
SMWD	39.394%	101,954.30
MNWD	39.394%	101,954.30
ETWD	15.151%	39,211.80
TCWD	6.061%	15,686.26
Total:	100.000%	\$ 258,806.66

Total from January - March 2022	
Agency	Total Amount
IRWD	\$ 278,508.51
SMWD	446,772.70
MNWD	446,772.70
ETWD	171,831.60
TCWD	68,738.80
Total:	\$ 1,412,624.31

		January - March 2022							
		Actual Amount	Quarterly Budget Amount	IRWD	SMWD	MNWD	ETWD	TCWD	Total Amount
<b>BWTP Fixed Costs:</b>									
	Labor includes 83.3% G&A	\$ 302,769.64	\$ 450,113.75	\$ 73,082.54	\$ 90,482.71	\$ 90,482.71	\$ 34,800.34	\$ 13,921.34	\$ 302,769.64
	Repair and Maintenance	143,800.82	103,248.75	34,710.64	42,974.87	42,974.88	16,528.47	6,611.96	143,800.82
	Micro Filter (MF) Replacement	39,650.00	39,650.00	9,570.72	11,849.40	11,849.40	4,557.37	1,823.11	39,650.00
	Equipment Replacement	75,182.50	75,182.50	18,147.55	22,468.29	22,468.29	8,641.48	3,456.89	75,182.50
	<b>Subtotal BWTP Fixed Costs</b>	<b>561,402.96</b>	<b>668,195.00</b>	<b>135,511.45</b>	<b>167,775.27</b>	<b>167,775.28</b>	<b>64,527.66</b>	<b>25,813.30</b>	<b>561,402.96</b>
<b>BWTP Variable Costs:</b>									
	Electricity	253,492.19	193,350.00	61,187.95	75,756.14	75,756.14	29,136.39	11,655.57	253,492.19
	Chemicals	202,078.96	170,000.00	48,777.82	60,391.29	60,391.30	23,226.96	9,291.59	202,078.96
	Natural Gas & Softened Water	78,959.69	57,700.00	19,059.29	23,597.10	23,597.10	9,075.63	3,630.57	78,959.69
	Sewer Discharge & Solids Disposal	18,443.66	45,000.00	4,451.93	5,511.89	5,511.89	2,119.91	848.04	18,443.66
	<b>Subtotal BWTP Variable Costs</b>	<b>552,974.50</b>	<b>466,050.00</b>	<b>133,476.99</b>	<b>165,256.42</b>	<b>165,256.43</b>	<b>63,558.89</b>	<b>25,425.77</b>	<b>552,974.50</b>
	<b>Total BWTP Fixed Cost and Variable Costs</b>	<b>1,114,377.46</b>	<b>1,134,245.00</b>	<b>268,988.44</b>	<b>333,031.69</b>	<b>333,031.71</b>	<b>128,086.55</b>	<b>51,239.07</b>	<b>1,114,377.46</b>
<b>PWF Fixed Costs:</b>									
	Labor includes 83.3% G&A	18,275.38	20,803.75	-	7,199.41	7,199.40	2,768.90	1,107.67	18,275.38
	Repair and Maintenance	32,497.80	3,393.00	-	12,802.19	12,802.18	4,923.74	1,969.69	32,497.80
	Equipment Replacement	5,552.50	5,552.50	-	2,187.35	2,187.35	841.26	336.54	5,552.50
	<b>Subtotal PWF Fixed Costs</b>	<b>56,325.68</b>	<b>29,749.25</b>	<b>-</b>	<b>22,188.95</b>	<b>22,188.93</b>	<b>8,533.90</b>	<b>3,413.90</b>	<b>56,325.68</b>
<b>PWF Variable Costs:</b>									
	Electricity	202,480.98	257,523.00		79,765.36	79,765.36	30,677.89	12,272.37	202,480.98
	<b>Subtotal PWF Variable Costs</b>	<b>202,480.98</b>	<b>257,523.00</b>	<b>-</b>	<b>79,765.36</b>	<b>79,765.36</b>	<b>30,677.89</b>	<b>12,272.37</b>	<b>202,480.98</b>
	<b>Total PWF Fixed and Variable Costs</b>	<b>258,806.66</b>	<b>287,272.25</b>	<b>0.00</b>	<b>101,954.31</b>	<b>101,954.29</b>	<b>39,211.79</b>	<b>15,686.27</b>	<b>258,806.66</b>
<b>Total O &amp; M</b>		<b>\$ 1,373,184.12</b>	<b>\$ 1,421,517.25</b>	<b>\$ 268,988.44</b>	<b>\$ 434,986.00</b>	<b>\$ 434,986.00</b>	<b>\$ 167,298.34</b>	<b>\$ 66,925.34</b>	<b>\$ 1,373,184.12</b>
<b>Water Charge</b>									
	Utility Water	\$ 33,143.02	\$ 25,000.00	\$ 8,000.06	\$ 9,904.79	\$ 9,904.79	\$ 3,809.46	\$ 1,523.92	\$ 33,143.02
	Pumping Surcharge	6,297.17	0.00	1,520.01	1,881.91	1,881.91	723.80	289.54	6,297.17
<b>Total Water Charge</b>		<b>\$ 39,440.19</b>	<b>\$ 25,000.00</b>	<b>\$ 9,520.07</b>	<b>\$ 11,786.70</b>	<b>\$ 11,786.70</b>	<b>\$ 4,533.26</b>	<b>\$ 1,813.46</b>	<b>\$ 39,440.19</b>
<b>TOTAL O &amp; M AND WATER CHARGE</b>		<b>\$ 1,412,624.31</b>	<b>\$ 1,446,517.25</b>	<b>\$ 278,508.51</b>	<b>\$ 446,772.70</b>	<b>\$ 446,772.70</b>	<b>\$ 171,831.60</b>	<b>\$ 68,738.80</b>	<b>\$ 1,412,624.31</b>





**To:** Board of Directors, *Municipal Water District of Orange County*  
**From:** Natural Resource Results  
**RE:** Monthly Board Report – June 2022

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### **House Natural Resources Committee Legislative Hearing**

On May 12<sup>th</sup>, the House Natural Resources Committee Subcommittee on Water, Oceans, and Wildlife held a legislative hearing on several water bills including Congressman Levin’s bill, *H.R. 7612 The Desalination Research Advancement Act*. The Bureau of Reclamation testified at the hearing, stating that the agency “supports the goal of advancing desalination research and is willing to work with the sponsor and Subcommittee to make any technical changes that might be required.” The San Diego County Water Authority also testified in support of the legislation.

### **Senate Energy and Natural Resources Committee Legislative Hearing**

On May 25<sup>th</sup>, the Senate Energy and Natural Resources Subcommittee on Water and Power held a legislative hearing on western water bills. Camille Touton, the Commissioner of the Bureau of Reclamation testified on behalf of the Administration.

Senator Feinstein’s STREAM Act was one of the bills included in the hearing. The Bureau of Reclamation walked a fine line of supporting the intent of the bill but conveying concerns with the way that the bill is drafted, stating “the Department would like to continue working with the sponsor and the Committee on technical assistance to ensure that authorities within this bill are implementable, effective, can be integrated with existing laws recently passed, and would achieve intended goals.”

Other bills in the hearing include:

*S.4232, To address the recovery of certain costs with respect to certain Reclamation facilities in the Colorado River Basin, and for other purposes (Sen. Kelly)* – prohibits the Bureau of Reclamation from allocating operations and maintenance costs to any preference hydropower contractors in the Colorado River Basin during the period in which an applicable hydropower facility is not able to generate electricity because of drought. It also prohibits the collection of construction costs from preference hydropower contractors if no power is produced for a period of 180 days. It authorizes funding from the Treasury to cover the costs of O&M and construction in the event that this prohibition is applied.

During the hearing, Commissioner Touton testified that the Department of the Interior supports to goal of the bill but the current drafting “could introduce unintended complexities into the hydropower program.” She indicated that Interior is happy to work on edits to the legislation.

*S. 2693, Salton Sea Projects Improvements Act (Sen. Padilla)* – authorizes the Bureau of Reclamation to partner on projects to improve air quality, fish and wildlife habitat, recreational opportunities, and water quality in the Salton Sea area and authorizes \$250 million to do so, which would be an increase from the current \$10 million authorization.

Commissioner Touton testified that the Department of the Interior supports this bill.

*S. 2334, Large Scale Water Recycling Project and Drought Resiliency Improvement Act (Sen. Cortez Masto)* – Authorizes a competitive grant program within the Department of the Interior for large-scale water recycling projects and authorizes \$750 million for the program through Fiscal Year 2027. This bill could help fund the large-scale regional recycling project that Metropolitan and the Southern Nevada Water Authority are currently planning.

Commissioner Touton noted that the legislation was introduced prior to passage of the Infrastructure Investment and Jobs Act (IIJA) which directed the Secretary of the Interior to develop and implement a Large-Scale Water Recycling Program (IIJA also provided funding). Commissioner Touton noted that the program is currently in the process of being stood up.

### **New Legislation**

On May 19<sup>th</sup>, Senator Padilla, along with Congressman McNerney, introduced bicameral legislation called the *Water Efficiency, Conservation, and Sustainability Act of 2022*.

The bill has three main components, including:

1. Water Efficiency and Conservation Grant Program
  - a. Authorizes \$25 million per year for grants to entities that carry out water efficiency programs for purchase, installation, or use of efficient fixtures, appliances, and landscaping.
  - b. 50% of funding must go to drought-stricken areas and 40% of funds must go towards disadvantaged communities
2. Sustainable Water Loss Control Program
  - a. Creates a grant program authorized at \$20 million per year for grants and technical assistance to public water systems to conduct an annual audit and establish a water loss control program – this is already required in CA.
3. Grants for Water Efficient Plumbing Code Adoption
  - a. Creates a grant program authorized at \$20 million per year to help local governments adopt plumbing codes that meet or exceed water use efficiency standards.

The bill has garnered support from NGOs and water users as shown by the joint press release that included supportive quotes from groups like NRDC and Metropolitan.

## **WEROC**

Significant progress has been made on our request for an earmark for WEROC's EOC. Thanks to some great work by Vicki Osborn, we were able to secure a letter from Cal OES supporting our project which was subsequently shared with Senators Feinstein and Padilla. Without that letter, we would not have been eligible for federal funding. We expect both California Senators to support our request for federal funding.

## **Colorado River**

**Lake Powell** – On May 3<sup>rd</sup>, Reclamation announced that it would release roughly 500 TAF from Flaming Gorge Reservoir in an attempt to slow the reduction in lake elevation in Lake Powell. This action was in response to a request from the seven basin states made earlier this spring to Reclamation.

**Salinity Control** – We are pleased to report that ACWA has agreed to support Metropolitan's funding request for the Colorado River Basin Salinity Control Program of \$28.3 million across three agencies – BLM, USBR, and NRCS. We will continue to work with Met and other partners to ensure robust funding for this critical program.

## **Water Resources Development Act (WRDA)**

The Senate Environment and Public Works Committee (EPW), along with the House Transportation and Infrastructure Committee (T&I), have both marked up their respective versions of WRDA 2022.

In the T&I bill section 223 authorizes a comprehensive study at Corps owned, operated, or managed reservoirs in arid Western states to evaluate opportunities to improve water management, supply, and preparedness for changes in hydrological conditions. The EPW bill gives the Corps authorities to carry out projects to support watershed conservation efforts or otherwise respond to drought conditions – an authority that they did not previously have.



To: Municipal Water District of Orange County  
From: Syrus Devers, Best Best & Krieger  
Date: May 26, 2022  
Re: Monthly Report

### **Legislative Report**

The Legislature is marching towards the deadline to move a bill out of the house of origin, which means an Assembly Bill (AB) introduced in the Assembly or Senate Bill (SB) introduced in the Senate. All bills must be out of their house of origin by May 27<sup>th</sup>. For advocates this often means the real fights are about to begin. The first policy committee in the second house and the second house fiscal committee is where most bills are killed, and the first three weeks of June are usually the most intense weeks of the year for advocates.

Bill highlights include AB 2639 (Quirk), which is widely opposed by water agencies due to potential impacts to State Water Project (SWP) operations. This bill seeks to pressure the State Water Resources Control Board (Board) to update the Delta Water Plan, which the Board has failed to do for 11 years. Unfortunately, the enforcement mechanism is to punish SWP contractors for the Board's procrastination. The bill would prohibit the Board from approving new water rights until a new plan is adopted, which does not threaten the Board's operations but makes planning and management on the SWP problematic. ACWA is organizing a campaign to amend or kill the bill and BB&K staff is engaged in that effort. As of the time this report was being prepared, AB 2639 was on call with 30 votes, 11 short of the 41 needed for passage. There were, however, only 23 NO votes which leaves the door open for later passage. BB&K staff will report on the final outcome during the Workshop.

Perhaps the highest priority oppose bill is SB 1157 (Hertzberg), which would lower the indoor water use efficiency standards to 42 gallons per person in 2030. The bill, which has been discussed several times in this report, does not yet have a hearing date but will likely be heard in the Assembly Water Parks & Wildlife Committee on either June 8<sup>th</sup> or the 22<sup>nd</sup>.

### **Administrative Report**

On May 13<sup>th</sup> Governor Newsom released his May Revise to the budget he proposed at the start of the year. The budget submitted in January is an estimate based on expected revenues. The May Revise



adjusts the Budget based on actual revenues. In general, California’s reliance on taxing the wealthiest at high rates and a high capital gains tax has caused money to spill into the state’s coffers at record rates. (If the state had an equivalent amount of water the drought would be over.) Despite a record setting budget proposal in January, May revenue estimates came in at a jaw-dropping \$97.5B surplus. Half of that surplus is nondiscretionary due to voter-approved initiatives that place restrictions on surplus spending, which left Newsom with approximately \$49B in discretionary funds to allocate, or \$52B depending on how surplus and spending are defined.

The nonpartisan Legislative Analyst’s Office (LAO) criticized the Governor’s proposal for putting too little into the reserve account. Despite adding over \$3B to reserves, the state’s “Rainy Day” fund is still below pre pandemic levels. The LAO is particularly concerned with inadequate reserves due to the threat of a recession next year which could quickly turn the budget into a deficit.

Newsome added to the programs of interest to water districts by adding \$530M to recycling and groundwater grant programs, as well as \$533 to drought relief. These funds will not create new programs, rather they supplement the \$5.2B included in last year’s budget that is to be spent over three years.

### **WEROC Emergency Operations Center**

Late last year the MWDOC board directed BB&K staff to pursue funding for a permanent WEROC EOC through the state budget process. As the attached letters show, BB&K was successful in getting the entire Orange County Delegation to support the request. Unfortunately, no individual members were willing to include the request as one their personal priorities. As a result, the likelihood of the request being approved is remote. If the request is not approved, the work done this year will lay the foundation for a more aggressive push next year. A great deal of the time was spent this year introducing new staff, and some new members, to the role WEROC fulfills and explaining the need for a permanent EOC. With that work now done, the drive for funding in the 2023 Budget can begin as soon as session adjourns.



April 15, 2022

The Honorable Phil Ting  
Chair, Assembly Budget Committee  
1021 O Street, Ste. 8230  
Sacramento, CA 95814

Dear Assemblymember Ting:

We the undersigned members of the Orange County delegation respectfully request that \$2 million be made available to build a permanent Emergency Operations Center (EOC) for the Water Emergency Response Organization of Orange County (WEROC).

WEROC, which is administered by the Municipal Water District of Orange County, supports and manages regional emergency preparedness, planning, response, and recovery efforts among Orange County water and wastewater utilities. To carry out its mission, WEROC provides essential resources, trainings, and exercises to water and wastewater agencies as well as to coordinating partners throughout the county and state.

WEROC actively maintains an EOC that is used to coordinate emergency response operations during threatened or actual natural disasters, acts of terrorism, or other manmade disasters. The trained WEROC EOC staff also provides information sharing and resource coordination when disasters affect the water and wastewater utilities of Orange County.

During a disaster, the WEROC EOC provides the following regionally relied upon essential services:

- Coordination of emergency communications and identification of water agency needs;
- Assessment of the condition of the Orange County water supply system;
- Coordination of mutual aid and quantification of available resources and their optimal use;
- Coordination of policy and strategies to establish repair priorities and water allocation;
- Collection of damage assessment reports and support of agency and community recovery efforts; and
- Ability to provide a single point of contact for local water agencies, Metropolitan Water District of Southern California, County Operational Area, California Office of Emergency Services, and the Department of Water Resources.

- Building infrastructure improvements; and
- Furniture and equipment workspace upgrades.

The total estimated cost for WEROC to construct a new building that addresses the shortcomings identified in the site facility assessment, and to ensure that the EOC can continue to provide critical public services during any type of emergency, is approximately \$2 million.

Finding affordable land for any purpose in Orange County is a difficult task, but this major obstacle has been removed by the generosity of the El Toro Water District in Lake Forest which has agreed to donate a parcel of land for WEROC's permanent use. All that remains is to secure the necessary funding to build a suitable facility for WEROC to fulfill its vital role, and we respectfully ask that the Budget Committee support of this request.

Sincerely,



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Sharon Quirk-Silva  
Assembly District 65



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Phillip Chen  
Assembly District 55



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Cottie Petrie-Norris  
Assembly District 74



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Janet Nguyen  
Assembly District 72



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Tom Daly  
Assembly District 69



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Steven Choi  
Assembly District 68



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Laurie Davies  
Assembly District 73



April 15, 2022

The Honorable Nancy Skinner  
Chair, Committee on Budget and Fiscal Review  
Legislative Office Building, Room 502  
Sacramento, CA 95814

Dear Senator Skinner:

We the undersigned members of the Orange County delegation respectfully request that \$2 million be made available to build a permanent Emergency Operations Center (EOC) for the Water Emergency Response Organization of Orange County (WEROC).

WEROC, which is administered by the Municipal Water District of Orange County, supports and manages regional emergency preparedness, planning, response, and recovery efforts among Orange County water and wastewater utilities. To carry out its mission, WEROC provides essential resources, trainings, and exercises to water and wastewater agencies as well as to coordinating partners throughout the county and state.

WEROC actively maintains an EOC that is used to coordinate emergency response operations during threatened or actual natural disasters, acts of terrorism, or other manmade disasters. The trained WEROC EOC staff also provides information sharing and resource coordination when disasters affect the water and wastewater utilities of Orange County.

During a disaster, the WEROC EOC provides the following regionally relied upon essential services:

- Coordination of emergency communications and identification of water agency needs;
- Assessment of the condition of the Orange County water supply system;
- Coordination of mutual aid and quantification of available resources and their optimal use;
- Coordination of policy and strategies to establish repair priorities and water allocation;
- Collection of damage assessment reports and support of agency and community recovery efforts; and



- Ability to provide a single point of contact for local water agencies, Metropolitan Water District of Southern California, County Operational Area, California Office of Emergency Services, and the Department of Water Resources.
- Building infrastructure improvements; and
- Furniture and equipment workspace upgrades.

The total estimated cost for WEROC to construct a new building that addresses the shortcomings identified in the site facility assessment, and to ensure that the EOC can continue to provide critical public services during any type of emergency, is approximately \$2 million.

Finding affordable land for any purpose in Orange County is a difficult task, but this major obstacle has been removed by the generosity of the El Toro Water District in Lake Forest which has agreed to donate a parcel of land for WEROC's permanent use. All that remains is to secure the necessary funding to build a suitable facility for WEROC to fulfill its vital role, and we respectfully ask that the Budget Committee support of this request.

Sincerely,




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Josh Newman  
Senator, District 29




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Thomas Umberg  
Senator, District 34




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Patricia Bates  
Senator, District 36




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Dave Min  
Senator, District 37

# Bill Matrix

Prepared by BB&K – May 26, 2022

## A. Priority Support/Oppose

Measure	Author	Topic	Status	Calendar	Brief Summary	Position	Priority	Notes 1
<a href="#">AB 1195</a>	<a href="#">Garcia, Cristina D</a>	Limited Eligibility and Appointment Program: lists.	5/25/2022-Re-referred to Com. on L., P.E. & R.		Current law specifically grants the Department of Human Resources the powers, duties, and authority necessary to operate the state civil service system in accordance with Article VII of the California Constitution, the Government Code, the merit principle, and applicable rules duly adopted by the State Personnel Board. Current law creates the Limited Examination and Appointment Program (LEAP), which the Department of Human Resources administers, to provide an alternative to the traditional civil service examination and appointment process to facilitate the hiring of persons with disabilities. Current law requires the Department of Human Resources, when an appointing power seeks to fill a vacant position by using an employment list, to provide the appointing power with a certified list of the names and addresses of all eligible candidates, as specified. Current law requires the department to provide a single certified list of eligible candidates if more than one employment list or LEAP referral list exists, and the department is required to combine the names and addresses of all eligible candidates. This bill would, notwithstanding those provisions, require the department to, upon request of the appointing power, provide the appointing power a LEAP referral list without combining that list with a parallel list and would authorize the appointing power to select and hire any individual from that a referral list to fill any vacancy.	Oppose unless amended	A. Priority Support/Oppose	Position adopted May 5th.
<a href="#">AB 1845</a>	<a href="#">Calderon D</a>	Metropolitan Water District of Southern California: alternative project delivery methods.	5/25/2022-Read third time. Passed. Ordered to the Senate.		Current law authorizes certain entities, including the Department of General Services, the Military Department, the Department of Corrections and Rehabilitation, and specified local agencies, to use the design-build procurement process, as prescribed, for specified public works. This bill would authorize the Metropolitan Water District of Southern California to use the design-build procurement process for certain regional recycled water projects or other water infrastructure projects. The bill would define “design-build” to mean a project	Support	A. Priority Support/Oppose	Support adopted on March 2nd

					delivery process in which both the design and construction of a project are procured from a single entity. The bill would require the district to use a specified design-build procedure to assign contracts for the design and construction of a project, as defined.			
<a href="#">AB 1944</a>	<a href="#">Lee D</a>	Local government : open and public meetings.	5/25/2022- Read third time and amended. Ordered to third reading.	5/26/2022 #16 ASSEMBLY THIRDD READING FILE - ASSEMBLY BILLS	The Ralph M. Brown Act requires, with specified exceptions, that all meetings of a legislative body of a local agency, as those terms are defined, be open and public and that all persons be permitted to attend and participate. The act contains specified provisions regarding the timelines for posting an agenda and providing for the ability of the public to observe and provide comment. The act allows for meetings to occur via teleconferencing subject to certain requirements, particularly that the legislative body notice each teleconference location of each member that will be participating in the public meeting, that each teleconference location be accessible to the public, that members of the public be allowed to address the legislative body at each teleconference location, that the legislative body post an agenda at each teleconference location, and that at least a quorum of the legislative body participate from locations within the boundaries of the local agency's jurisdiction. The act provides an exemption to the jurisdictional requirement for health authorities, as defined. This bill would require the agenda to identify any member of the legislative body that will participate in the meeting remotely.	Out for Analysis	A. Priority Support/ Oppose	Amended on 4/18/2022
<a href="#">AB 2142</a>	<a href="#">Gabriel D</a>	Income taxes: exclusion: turf replacement water conservation program.	5/25/2022- Read third time. Passed. Ordered to the Senate.		Current law provides an exclusion from gross income for any amount received as a rebate or voucher from a local water or energy agency or supplier for the purchase or installation of a water conservation water closet, energy efficient clothes washers, and plumbing devices, as specified. This bill would, for taxable years beginning on or after January 1, 2022, and before January 1, 2027, under the Personal Income Tax Law and the Corporation Tax Law, provide an exclusion from gross income for any amount received as a rebate, voucher, or other financial incentive issued by a public water system, as defined, local government, or state agency for participation in a turf replacement water conservation program.	Support	A. Priority Support/ Oppose	Support adopted on March 2nd
<a href="#">AB 2278</a>	<a href="#">Kalra D</a>	Natural resources: biodiversity and conservation report.	5/24/2022- In Senate. Read first time. To Com. on RLS. for assignment .		Under current law, by Executive Order No. N-82-20, Governor Gavin Newsom directed the Natural Resources Agency to combat the biodiversity and climate crisis by, among other things, establishing the California Biodiversity Collaborative and conserving at least 30% of the state's lands and coastal waters by 2030. This bill would require the Secretary of the Natural	Watch	A. Priority Support/ Oppose	Possible return of AB 3030

					Resources Agency to prepare and submit, beginning on or before January 1, 2024, an annual report to the Legislature on the progress toward achieving the directives of the executive order.			
<a href="#">AB 2387</a>	<a href="#">Garcia, Eduardo D</a>	Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022.	5/19/2022-In committee: Held under submission.		Would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$7,430,000,000 pursuant to the State General Obligation Bond Law to finance projects for safe drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, and workforce development programs.	Watch	A. Priority Support/ Oppose	
<a href="#">AB 2449</a>	<a href="#">Rubio, Blanca D</a>	Open meetings: local agencies: teleconferences.	5/23/2022-Assembly Rule 69(b) suspended. Read third time and amended. Ordered to third reading.	5/26/2022 #17 ASSEMBLY THIRD READING FILE - ASSEMBLY BILLS	The Ralph M. Brown Act requires, with specified exceptions, that all meetings of a legislative body of a local agency, as those terms are defined, be open and public and that all persons be permitted to attend and participate. The act contains specified provisions regarding the timelines for posting an agenda and providing for the ability of the public to observe and provide comment. The act allows for meetings to occur via teleconferencing subject to certain requirements, particularly that the legislative body notice each teleconference location of each member that will be participating in the public meeting, that each teleconference location be accessible to the public, that members of the public be allowed to address the legislative body at each teleconference location, that the legislative body post an agenda at each teleconference location, and that at least a quorum of the legislative body participate from locations within the boundaries of the local agency's jurisdiction. The act provides an exemption to the jurisdictional requirement for health authorities, as defined. This bill would revise and recast those teleconferencing provisions and, until January 1, 2028, would authorize a local agency to use teleconferencing without complying with the teleconferencing requirements that each teleconference location be identified in the notice and agenda and that each teleconference location be accessible to the public if at least a quorum of the members of the legislative body participates in person from a singular physical location clearly identified on the agenda that is open to the public and situated within the local agency's jurisdiction.	Support	A. Priority Support/ Oppose	Support adopted on April 6th.

<a href="#">AB 2451</a>	<a href="#">Wood D</a>	State Water Resources Control Board: drought planning.	5/23/2022- Read second time. Ordered to third reading.	5/26/2022 #174 ASS EMBLY T HIRD READING FILE - ASSEMBLY BILLS	Would require the State Water Resources Control Board to establish a Drought Section within the Division of Water Rights, as specified. The bill would require the state board, in consultation with the Department of Fish and Wildlife, to adopt principles and guidelines for diversion and use of water in coastal watersheds, as specified, during times of water shortage for drought preparedness and climate resiliency. The bill would require that the principles and guidelines provide for the development of watershed-level contingency plans to support public trust uses, public health and safety, and the human right to water in times of water shortage, among other things. The bill also would require the state board, prior to adopting those principles and guidelines, to allow for public comment and hearing, as provided. The bill would require the state board to adopt those principles and guidelines no later than March 31, 2024.	Watch	A. Priority Support/ Oppose	
<a href="#">AB 2639</a>	<a href="#">Quirk D</a>	San Francisco Bay/Sacramento-San Joaquin Delta Estuary: water quality control plan: water right permits.	5/19/2022- From committee: Do pass. (Ayes 12. Noes 4.) (May 19). Read second time. Ordered to third reading.	5/26/2022 #96 ASSEMBLY THIR D READING FILE - ASSEMBLY BILLS	Would require the State Water Resources Control Board, on or before December 31, 2023, to adopt a final update of the 1995 Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary, as specified, and to implement the amendments to the plan adopted by the state board pursuant to Resolution No. 2018-0059 on December 12, 2018. The bill would prohibit the state board, on or after January 1, 2024, from approving a new water right permit that would result in new or increased diversions to surface water storage from the Sacramento River/San Joaquin River watershed until and unless the state board has taken those actions.	Oppose unless amended	A. Priority Support/ Oppose	Position adopted May 2nd.
<a href="#">SB 45</a>	<a href="#">Portantino D</a>	Short-lived climate pollutants: organic waste reduction goals: local jurisdiction assistance.	5/5/2022- Referred to Com. on NAT. RES.	6/6/2022 2 :30 p.m. - State Capitol, Room 447 ASSEMBLY NATURAL RESOURCES, RIVAS, LUZ, Chair	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	Bond intended for the Nov. '22 ballot.
<a href="#">SB 230</a>	<a href="#">Portantino D</a>	State Water Resources	5/16/2022- From		The California Safe Drinking Water Act requires the State Water Resources Control	Support	A. Priority	Support position

		Control Board: Constituents of Emerging Concern in Drinking Water Program.	committee with author's amendments. Read second time and amended. Re-referred to Com. on E.S. & T.M.		Board to administer provisions relating to the regulation of drinking water to protect public health. This bill would require the state 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/ Oppose	adopted April 7th.
<a href="#">SB 991</a>	<a href="#">Newman D</a>	Public contracts: progressive design-build: local agencies.	5/19/2022- Referred to Com. on L. GOV.	6/8/2022 1:30 p.m. - State Capitol, Room 127 ASSEMBLY LOBBY GOVERNMENT, AGUIAR-CURRY, Chair	Would, until January 1, 2029, authorize local agencies, defined as any city, county, city and county, or special district authorized by law to provide for the production, storage, supply, treatment, or distribution of any water from any source, to use the progressive design-build process for public works projects in excess of \$5,000,000, similar to the progressive design-build process authorized for use by the Director of General Services. The bill would require a local agency that uses the progressive design-build process to submit, no later than January 1, 2028, to the appropriate policy and fiscal committees of the Legislature a report on the use of the progressive design-build process containing specified information, including a description of the projects awarded using the progressive design-build process. The bill would require the design-build entity and its general partners or joint venture members to verify specified information under penalty of perjury.	Support	A. Priority Support/ Oppose	Support adopted on April 6th.
<a href="#">SB 1157</a>	<a href="#">Hertzberg D</a>	Urban water use objectives: indoor residential water use.	5/5/2022- Referred to Com. on W., P., & W.		Current law requires the Department of Water Resources, in coordination with the State Water Resources Control Board, and including collaboration with and input from stakeholders, to conduct necessary studies and investigations and authorizes the department and the board to jointly recommend to the Legislature a standard for indoor residential water use. Current law, until January 1, 2025, establishes 55 gallons per capita daily as the standard for indoor residential water use. Existing law establishes, beginning January 1, 2025, the greater of 52.5 gallons per capita daily or a standard recommended by the department and the board as the standard for indoor residential water use, and beginning January 1, 2030, establishes the greater of 50 gallons per capita daily or a standard	Oppose unless amended	A. Priority Support/ Oppose	Oppose unless amended adopted on March 2nd



					recommended by the department and the board as the standard for indoor residential water use. This bill would eliminate the option of using the greater of 52.5 gallons per capita daily and the greater of 50 gallons per capita daily, as applicable, or a standard recommended by the department and the board as the standard for indoor residential water use.			
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## B. Watch

Measure	Author	Topic	Status	Calendar	Brief Summary	Position	Priority	Notes 1
<a href="#">AB 1001</a>	<a href="#">Garcia, Cristina D</a>	Environmental: mitigation measures for air quality impacts: environmental justice.	5/23/2022-In committee: Hearing postponed by committee.	6/8/2022 9 a.m. - 1021 O Street, Room 1200 SENATE ENVIRONMENTAL QUALITY, ALLEN, Chair	The California Environmental Quality Act (CEQA) requires a lead agency to prepare a mitigated negative declaration for a project that may have a significant effect on the environment if revisions in the project would avoid or mitigate that effect and there is no substantial evidence that the project, as revised, would have a significant effect on the environment. This bill would require mitigation measures, identified in an environmental impact report or mitigated negative declaration to mitigate the adverse effects of a project on air quality of a disadvantaged community, to include measures for avoiding, minimizing, or otherwise mitigating for the adverse effects on that community. The bill would require mitigation measures to include measures conducted at the project site that avoid or minimize to less than significant the adverse effects on the air quality of a disadvantaged community or measures conducted in the affected disadvantaged community that directly mitigate those effects.	Watch	B. Watch	
<a href="#">AB 1774</a>	<a href="#">Seyarto R</a>	California Environmental Quality Act: water conveyance or storage projects: judicial review.	4/29/2022-Failed Deadline pursuant to Rule 61(b)(5). (Last location was NAT. RES. on 2/10/2022)		The California Environmental Quality Act (CEQA) requires a lead agency, as defined, to prepare, or cause to be prepared, and certify the completion of an environmental impact report (EIR) on a project that the lead agency proposes to carry out or approve that may have a significant effect on the environment or to adopt a negative declaration if it finds that the project will not have that effect. CEQA also requires a lead agency to prepare a mitigated negative declaration for a project that may have a significant effect on the environment if revisions in the project would avoid or mitigate that effect and there is no substantial evidence that the project, as revised, would have a significant effect on the environment. CEQA establishes a procedure by which a person may seek judicial review of the decision of the lead agency made pursuant to CEQA. This bill would require the Judicial Council to adopt rules of court applicable to actions or proceedings brought to attack, review, set aside, void, or annul the certification or	Watch	B. Watch	

					adoption of an environmental impact report for water conveyance or storage projects, as defined, or the granting of project approvals, including any appeals to the court of appeal or the Supreme Court, to be resolved, to the extent feasible, within 270 days of the filing of the certified record of proceedings with the court to an action or proceeding seeking judicial review of the lead agency's action related to those projects.			
<a href="#">AB 1817</a>	<a href="#">Ting D</a>	Product safety: textile articles: perfluoroalkyl and polyfluoroalkyl substances (PFAS).	5/24/2022- In Senate. Read first time. To Com. on RLS. for assignment .		Would prohibit, beginning January 1, 2025, any person from manufacturing, distributing, selling, or offering for sale in the state any textile articles that contain regulated perfluoroalkyl and polyfluoroalkyl substances or PFAS, and requires a manufacturer to use the least toxic alternative when removing regulated PFAS in textile articles to comply with these provisions. The bill would require a manufacturer of a textile article that contains regulated PFAS to provide persons that offer the product for sale or distribution in the state with a certificate of compliance stating that the textile article is in compliance with these provisions and does not contain any regulated PFAS.		B. Watch	
<a href="#">AB 2108</a>	<a href="#">Rivas, Robert D</a>	Water policy: environmental justice: disadvantaged and tribal communities.	5/25/2022- Read third time. Passed. Ordered to the Senate.		Would require that one of the persons appointed by the Governor to the State Water Resources Control Board be qualified in the field of water supply and water quality relating to disadvantaged or tribal communities and not be the same member as the member appointed who is qualified in the field of water supply and water quality relating to irrigated agriculture. The bill would also require that at least one person appointed to each regional board have specialized experience relating to disadvantaged or tribal communities, except as provided. The bill would prohibit, in making those appointments, preference to be given on the basis of ethnicity or national origin.	Watch	B. Watch	
<a href="#">AB 2247</a>	<a href="#">Bloom D</a>	Perfluoroalkyl and polyfluoroalkyl substances (PFAS) and PFAS products and product components : publicly accessible reporting platform.	5/23/2022- Read second time. Ordered to third reading.	5/26/2022 #168 ASS EMBLY T HIRD READING FILE - ASSEMBLY BILLS	Would require, as part of the hazardous waste control laws, the Department of Toxic Substances Control to work with the Interstate Chemicals Clearinghouse to establish, on or before January 1, 2025, a publicly accessible reporting platform to collect information about perfluoroalkyl and polyfluoroalkyl substances (PFAS) and products or product components containing intentionally added PFAS, as defined, being sold, offered for sale, distributed, or offered for promotional purposes in, or imported into, the state. The bill would require, on or before July 1, 2025, and annually thereafter, a manufacturer, as defined, of PFAS or a product or a product component containing intentionally added PFAS that is sold, offered for sale,	Watch	B. Watch	

					distributed, or offered for promotional purposes in, or imported into, the state to register the PFAS or the product or product component containing intentionally added PFAS, and specified other information, on the publicly accessible reporting platform.			
<a href="#">AB 2313</a>	<a href="#">Bloom D</a>	Water: judges and adjudications.	5/24/2022- In Senate. Read first time. To Com. on RLS. for assignment.		Current law authorizes the Judicial Council to conduct institutes and seminars for the purpose of orienting judges to new judicial assignments, keeping them informed concerning new developments in the law, and promoting uniformity in judicial procedure, as specified. This bill would require the Judicial Council, on or before January 1, 2025, to establish a program that provides training and education to judges in specified actions relating to water, as defined. The bill would provide that the program may be funded by an appropriation from the General Fund in the annual Budget Act or another statute, or by using existing funds for judicial training.	Watch	B. Watch	
<a href="#">AB 2477</a>	<a href="#">Rodriguez D</a>	Emergency alert and warning service providers: minimum operating standards.	5/23/2022- Read second time. Ordered to third reading.	5/26/2022 #176 ASSEMBLY T HIRD READING FILE - ASSEMBLY BILLS	Current law, on or before July 1, 2022, requires the Office of Emergency Services (OES), in consultation with specified entities, to develop voluntary guidelines for alerting and warning the public of an emergency, and requires the OES to provide each city, county, and city and county with a copy of the guidelines. Current law authorizes the OES to impose conditions upon application for voluntary grant funding that it administers requiring operation of alert and warning activities consistent with the guidelines. Current law also requires the OES, within 6 months of making the statewide guidelines available and at least annually thereafter and through its California Specialized Training Institute, to develop an alert and warning training, as specified. This bill, on or before July 1, 2024, would require the OES, by regulation, to adopt minimum operating standards for private sector companies that provide alert and warning services to local entities.	Watch	B. Watch	
<a href="#">AB 2605</a>	<a href="#">Villapudua D</a>	Water quality: state certification.	4/29/2022- Failed Deadline pursuant to Rule 61(b)(5). (Last location was E.S. & T.M. on 3/10/2022)		The State Water Resources Control Board and the California regional water quality control boards prescribe waste discharge requirements in accordance with the Federal Water Pollution Control Act and the Porter-Cologne Water Quality Control Act. Under federal law, any applicant seeking a federal license or permit for an activity that may result in any discharge into the navigable waters of the United States is required to first seek a state water quality certification, as specified. The Porter-Cologne Water Quality Control Act authorizes the state board to certify or provide a statement to a federal agency, as required pursuant to federal law, that there is reasonable assurance that an activity of	Watch	B. Watch	

					any person subject to the jurisdiction of the state board will not reduce water quality below applicable standards. The federal act provides that if a state fails or refuses to act on a request for this certification within a reasonable period of time, which shall not exceed one year after receipt of the request, then the state certification requirements are waived with respect to the federal application. This bill would authorize the state board to delegate its authority regarding the above-described issuance of a certificate or statement to the regional boards. The bill would require a project proponent, as defined, to request a prefiling meeting with the state board, as specified.			
<a href="#">AB 2740</a>	<a href="#">Dahle, Megan R</a>	Water resources: desalination .	5/6/2022-Failed Deadline pursuant to Rule 61(b)(6). (Last location was A. W.,P. & W. on 3/17/2022)		Current law requires the Department of Water Resources, not later than July 1, 2004, to report to the Legislature, on potential opportunities and impediments for using seawater and brackish water desalination, and to examine what role, if any, the state should play in furthering the use of desalination technology. Current law requires the department to convene a Water Desalination Task Force, comprised of representatives from listed agencies and interest groups, to advise the department in carrying out these duties and in making recommendations to the Legislature. This bill would repeal these provisions.	Watch	B. Watch	
<a href="#">AB 2742</a>	<a href="#">Friedman D</a>	Water meters: urban water suppliers.	5/6/2022-Failed Deadline pursuant to Rule 61(b)(6). (Last location was A. PRINT on 2/18/2022)		The Water Measurement Law generally requires the installation of a water meter as a condition of new water service on and after January 1, 1992. The law, with certain exceptions, requires an urban water supplier to install water meters on all municipal and industrial service connections that are located in its service area on or before January 1, 2025. This bill would delay that requirement for an urban water supplier to install the water meters to on or before January 1, 2030.	Watch	B. Watch	
<a href="#">AB 2811</a>	<a href="#">Bennett D</a>	California Building Standards Commission: recycled water: nonpotable water systems.	4/29/2022-Failed Deadline pursuant to Rule 61(b)(5). (Last location was E.S. & T.M. on 3/17/2022)		Would require, commencing January 1, 2024, all newly constructed nonresidential buildings be constructed with dual plumbing to allow the use of recycled water for all applicable nonpotable water demands, as defined, if that building is located within an existing or planned recycled water service area, as specified.	Watch	B. Watch	
<a href="#">AB 2857</a>	<a href="#">Bauer-Kahan D</a>	Sustainable Groundwater Management Act: groundwater sustainability plans:	4/29/2022-Failed Deadline pursuant to Rule 61(b)(5). (Last location was W.,P.		The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources that are designated as basins subject to critical conditions of overdraft to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January	Watch	B. Watch	

		domestic well impacts.	& W. on 3/24/2022)		31, 2020, and requires all other groundwater basins designated as high- or medium-priority basins to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2022, except as specified. The act prescribes that a groundwater sustainability plan contain certain information, including, where appropriate and in collaboration with the appropriate local agencies, control of saline water intrusion, wellhead protection areas and recharge areas, a well abandonment and well destruction program, well construction policies, and impacts on groundwater dependent ecosystems. This bill would additionally require that a groundwater sustainability plan include measures to mitigate adverse impacts on domestic wells, as defined, including, but not limited to, compensating an owner of a domestic well or a user of water from a domestic well for increased energy costs associated with deeper groundwater pumping and increased costs to households associated with the delivery of water from an existing water supply system or alternative water supply. The bill would prohibit a mitigation measure from subjecting an owner of a domestic well or a user of water from a domestic well to an unreasonable financial burden or expense.			
<a href="#">AB 2876</a>	<a href="#">Bigelow R</a>	Sustainable Groundwater Management Act.	5/6/2022-Failed Deadline pursuant to Rule 61(b)(6). (Last location was A. PRINT on 2/18/2022)		The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources that are designated as basins subject to critical conditions of overdraft to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2020, and requires all other groundwater basins designated as high- or medium-priority basins to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2022, except as specified. The act requires all relevant state agencies to consider the policies of the act, and any adopted groundwater sustainability plans, when revising or adopting policies, regulations, or criteria, or when issuing orders or determinations, where pertinent. This bill would make nonsubstantive changes to the latter provision.	Watch	B. Watch	
<a href="#">AB 2877</a>	<a href="#">Garcia, Eduardo D</a>	Safe and Affordable Drinking Water Fund: tribes.	5/24/2022-In Senate. Read first time. To Com. on RLS. for assignment .		Current law establishes the Safe and Affordable Drinking Water Fund in the State Treasury to help water systems provide an adequate and affordable supply of safe drinking water in both the near and long terms. Current law continuously appropriates to the State Water Resources Control Board moneys deposited in the fund for the development, implementation,	Watch	B. Watch	

					and sustainability of long-term drinking water solutions, among other things. Existing law requires the state board to expend moneys in the fund for grants, loans, contracts, or services to assist eligible recipients. Current law includes within the list of “eligible recipients,” public agencies, nonprofit organizations, public utilities, mutual water companies, federally recognized California Native American tribes, specified nonfederally recognized Native American tribes, administrators, groundwater sustainability agencies, community water systems, and technical assistance providers. This bill would specify that a limited waiver of tribal sovereignty is not required for a tribe that is an eligible recipient to access funding from the fund. The bill would require the state board to work with tribes that are eligible recipients to remove any barriers for those tribes to access funding, as specified.			
<a href="#">AB 2895</a>	<a href="#">Arambula</a> D	Water: permits and licenses: temporary changes: water or water rights transfers.	5/19/2022-From committee: Do pass. (Ayes 12. Noes 2.) (May 19). Read second time. Ordered to third reading.	5/26/2022 #110 ASS EMBLY T HIRD READING FILE - ASSEMBLY BILLS	Under current law, the State Water Resources Control Board administers a water rights program pursuant to which the board grants permits and licenses to appropriate water. Current law authorizes a permittee or licensee to temporarily change the point of diversion, place of use, or purpose of use due to a transfer or exchange of water or water rights if the transfer would only involve the amount of water that would have been consumptively used or stored by the permittee or licensee in the absence of the proposed temporary change, would not injure any legal user of the water, and would not unreasonably affect fish, wildlife, or other instream beneficial uses. Current law prescribes the process for a permittee or licensee to petition the board for a temporary change due to a transfer or exchange of water rights and subsequent notice, decision, and hearing requirements by the board. Under that process, a petitioner is required to publish notice of a petition in a newspaper, as specified. Current law requires a petition to contain specified information and requires a petitioner to provide a copy of the petition to the Department of Fish and Wildlife, the board of supervisors of the county or counties in which the petitioner currently stores or uses the water subject to the petition, and the board of supervisors of the county or counties to which the water is proposed to be transferred. This bill would revise and recast the provisions regulating temporary changes due to a transfer or exchange of water rights, including, among other revisions, specifying that those provisions apply to a person who proposes a temporary change for purposes of preserving or enhancing wetlands habitat, fish and wildlife resources, or recreation.	Watch	B. Watch	



<a href="#">AB 2919</a>	<a href="#">Fong R</a>	Dams: release of water: fish populations.	4/29/2022- Failed Deadline pursuant to Rule 61(b)(5). (Last location was W.,P. & W. on 3/24/2022)		Current law requires the owner of a dam to allow sufficient water at all times to pass through a fishway, or in the absence of a fishway, allow sufficient water to pass over, around or through the dam, to keep in good condition any fish that may be planted or exist below the dam. This bill would provide that, notwithstanding any other law, the release of water from a dam shall only be regulated based on actual fish populations and not based on approximate fish populations.	Watch	B. Watch	
<a href="#">SB 832</a>	<a href="#">Dodd D</a>	Water rights: measurement of diversion.	5/20/2022- Failed Deadline pursuant to Rule 61(b)(8). (Last location was S. APPR. SUSPENSE FILE on 4/25/2022)		Current law defines various terms applicable to the Water Code. This bill would define “water year,” unless otherwise specified, to mean the 12-month period beginning October 1 and ending September 30.	Watch	B. Watch	
<a href="#">SB 890</a>	<a href="#">Nielsen R</a>	Department of Water Resources: Water Storage and Conveyance Fund: water storage and conveyance .	3/8/2022- March 8 set for first hearing. Failed passage in committee. (Ayes 3. Noes 6.)		Would establish the Water Storage and Conveyance Fund in the State Treasury to be administered by the Department of Water Resources. The bill would require all moneys deposited in the fund to be expended, upon appropriation by the Legislature, in support of subsidence repair and reservoir storage costs, including environmental planning, permitting, design, and construction and all necessary road and bridge upgrades required to accommodate capacity improvements. The bill would require the department to expend from the fund, upon appropriation by the Legislature, specified monetary amounts to complete funding for the construction of the Sites Reservoir, and to restore the capacity of 4 specified water conveyance systems, as prescribed, with 2 of those 4 expenditures being in the form of a grant to the Friant Water Authority and to the San Luis and Delta-Mendota Water Authority. This bill would make these provisions inoperative on July 1, 2030, and would repeal it as of January 1, 2031.	Watch	B. Watch	
<a href="#">SB 892</a>	<a href="#">Hurtado D</a>	Cybersecurity preparedness: food and agriculture sector and water and wastewater systems sector.	5/25/2022- In Assembly. Read first time. Held at Desk.		Current law requires CalOES to establish the California Cybersecurity Integration Center (Cal-CSIC) with the primary mission of reducing the likelihood and severity of cyber incidents that could damage California’s economy, its critical infrastructure, or public and private sector computer networks in the state. Current law requires Cal-CSIC to provide warnings of cyberattacks to government agencies and nongovernmental partners, coordinate information sharing among these entities, assess risks to critical infrastructure	Watch	B. Watch	

					information networks, enable cross-sector coordination and sharing of best practices and security measures, and support certain cybersecurity assessments, audits, and accountability programs. Current law also requires Cal-CSIC to develop a statewide cybersecurity strategy to improve how cyber threats are identified, understood, and shared in order to reduce threats to California government, businesses, and consumers, and to strengthen cyber emergency preparedness and response and expand cybersecurity awareness and public education. This bill would require CalOES to develop, propose, and adopt optional reporting guidelines applicable to companies and cooperatives in the food and agriculture industry and entities in the water and wastewater systems industry if they identify a significant and verified cyber threat or active cyberattack			
<a href="#">SB 1059</a>	<a href="#">Becker</a> D	Privacy: data brokers.	5/20/2022- Failed Deadline pursuant to Rule 61(b)(8). (Last location was S. APPR. SUSPENSE FILE on 5/16/2022)		Current law requires data brokers to register with, and provide certain information to, the Attorney General. Current law defines a data broker as a business that knowingly collects and sells to third parties the personal information of a consumer with whom the business does not have a direct relationship, subject to specified exceptions. Current law subjects data brokers that fail to register to injunction and liability for civil penalties, fees, and costs in an action brought by the Attorney General, with any recovery to be deposited in the Consumer Privacy Fund, as specified. Current law imposes a \$100 civil penalty for each day a data broker fails to register. This bill would include in the definition of data broker a business that knowingly collects and shares, as defined, certain personal information to third parties. The bill would transfer all authority and responsibilities under the provisions relating to data broker registration from the Attorney General to the CCPA, including by requiring data brokers to annually register with the CPPA on or before January 31. However, the bill would authorize the Attorney General to also bring an action against a data broker that fails to register.	Watch	B. Watch	
<a href="#">SB 1078</a>	<a href="#">Allen</a> D	Sea Level Rise Revolving Loan Pilot Program.	5/25/2022- In Assembly. Read first time. Held at Desk.		Would require the Ocean Protection Council, in consultation with the State Coastal Conservancy, to develop the Sea Level Rise Revolving Loan Pilot Program for purposes of providing low-interest loans to local jurisdictions, as defined, for the purchase of coastal properties in their jurisdictions identified as vulnerable coastal property, as defined, located in specified communities, including low-income communities, as provided. The bill would require the council, before January 1, 2024, in consultation with other state planning	Watch	B. Watch	

					and coastal management agencies, as provided, to adopt guidelines and eligibility criteria for the program. The bill would authorize specified local jurisdictions to apply for, and be awarded, a low-interest loan under the program from the conservancy, in consultation with the council, if the local jurisdiction develops and submits to the conservancy a vulnerable coastal property plan and completes all other requirements imposed by the council. The bill would require the conservancy, in consultation with the council, to review the plans to determine whether they meet the required criteria and guidelines for vulnerable coastal properties to be eligible for participation in the program.			
<a href="#">SB 1197</a>	<a href="#">Caballero</a> D	Water Innovation and Drought Resiliency Act of 2022.	5/20/2022- Failed Deadline pursuant to Rule 61(b)(8). (Last location was S. APPR. SUSPENSE FILE on 5/2/2022)		Current law declares that the protection of the public interest in the development of the water resources of the state is of vital concern to the people of the state and that the state shall determine in what way the water of the state, both surface and underground, should be developed for the greatest public benefit. Current law creates the Office of Planning and Research to serve the Governor as staff for long-range planning and research and as a comprehensive state planning agency. This bill, the Water Innovation and Drought Resiliency Act of 2022, would create the Initiative to Advance Water Innovation and Drought Resiliency at the office for the furtherance of new technologies and other innovative approaches in the water sector. The bill would require the office, as part of the initiative, to take specified measures on or before December 31, 2024, to advance innovation in the water sector and ensure a drought-resilient economy.	Watch	B. Watch	
<a href="#">SB 1219</a>	<a href="#">Hurtado</a> D	21st century water laws and agencies: committee.	5/25/2022- Read third time. Passed. (Ayes 21. Noes 6.) Ordered to the Assembly.		Would require the Secretary of the Natural Resources Agency and the Secretary for Environmental Protection to convene a committee to develop and submit, on or before December 31, 2024, to the Governor and to the Legislature a strategic vision, proposed statutes, and recommendations for a modern 21st century set of water laws and regulations and state and local water agencies for the state, as provided. The committee would consist of 5 specified heads of state agencies, 2 members appointed by the Senate Committee on Rules, and 2 members appointed by the Speaker of the Assembly. The bill would require the Governor or the committee to appoint a “blue ribbon” citizen commission or taskforce, a stakeholder advisory committee, and any other group that the Governor or the committee deems necessary or desirable to assist in carrying out these provisions. The bill would require all relevant state agencies, at the request of	Watch	B. Watch	Possible priority bill, but unlikely to move.

					the committee, to make available staff and resources to assist in the preparation of the strategic vision and proposed statutes.			
<a href="#">SB 1476</a>	<a href="#">Bradford D</a>	Water replenishment districts: contracts.	5/24/2022-In Assembly. Read first time. Held at Desk.		The Water Replenishment District Act provides for the formation of water replenishment districts with prescribed powers for the purposes of replenishing the groundwater supplies within the district. The act requires a district to advertise for bids before making any contract totaling \$25,000 or more within any 12-month period and, when work is to be done, to give notice calling for bids by publication, as prescribed. The act requires contracts and other documents executed by a district that require or authorize the district to expend \$10,000 or more to be authorized by the board of directors and signed by the president and the secretary, except as specified. This bill would revise and recast the provisions establishing the competitive bidding and related public notice procedures for water replenishment districts, including, among other revisions, only until January 1, 2028, deleting the requirement that a district advertise for bids before making any contract totaling \$25,000 or more within any 12-month period, and instead requiring a district expenditure for the erection, construction, alteration, repair, or improvement of a public structure or building of \$25,000 or more be let by contract by formal bidding procedure.	Watch	B. Watch	

**Total Measures: 37**

**Total Tracking Forms: 37**

**Metropolitan Water District of Southern California  
State Legislative Matrix  
May 5, 2022 – Second Year of Legislative Session**

Item No. 2e

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
Metropolitan-sponsored bills	<b>SB 230</b> <b>Portantino (D)</b>  Sponsors:  Metropolitan and the California Municipal Utilities Association (CMUA)	Amended 1/20/2022  Assembly Environmental Safety and Toxic Materials	<b>State Water Resources Control Board: Constituents of Emerging Concern Program</b>  Seeks to create a statewide program to identify and evaluate Constituents of Emerging Concern (CECs) in drinking water sources.	<b>CO-SPONSOR</b>  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 five-year 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 bill excludes PFAS from the program of review and requires the State Water Board to present a final report to the Legislature. The recent amendments make implementation of a CEC Drinking Water Program contingent upon an appropriation by the Legislature.
Metropolitan-sponsored bills	<b>AB 1845</b> <b>Calderon (D)</b>  Sponsor:  Metropolitan	Amended 4/4/2022  Assembly Appropriations Committee	<b>Metropolitan Water District of Southern California: alternative project delivery methods</b>  Allows the Metropolitan Water District of Southern California to use alternative project delivery methods for the design and construction of a Regional Recycling Water Program	<b>SPONSOR</b>	Metropolitan is limited to the traditional Design-Bid-Build method for delivery of public works construction contracts which can be inefficient and inflexible for large, time-sensitive, and complex projects like its Regional Recycled Water Program and emergency drought mitigation projects. The bill would amend the Public Contracting Code to permit Metropolitan to use Design-Build, Progressive Design-

**Metropolitan Water District of Southern California**  
**State Legislative Matrix**  
**May 5, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
			and a limited set of drought-related projects.		Build, and Construction Manager/General Contractor. These methods have the potential to expedite construction of critical new water infrastructure projects and reduce their overall costs.
Delta/State Water Project	<b>SB 832 Dodd (D)</b>  Sponsor:  Author	Amended 4/6/2022  Senate Appropriations Committee – Suspense File	<b>Water rights: measurement of diversion</b>  Clarifies existing law that a person diverting 10 acre-feet or more of water per year under a registration is subject to existing water diversion measurement, recording, and reporting requirements. Also, authorize the State Water Board to modify water diversion measurement requirements to allow open satellite data methods to estimate evapotranspiration if the board makes certain findings regarding use of water for irrigation.	<b>SUPPORT</b>  Based upon Board-adopted 2022 Legislative Priorities and Principles	Metropolitan supports metering and reporting of diversions to prevent unlawful diversion of State Water Project supplies in the Delta and other locations that may lead to additional regulatory burdens. Metropolitan is installing meters on its Delta Islands to comply with existing statutory requirements. While OpenET would be a useful tool for water management and could be used as an indicator of unlawful diversions in the Delta, it is a new methodology for California. The bill requires the State Water Board to conduct a five-year study to determine the adequacy of evapotranspiration methods as a substitute for conventional metering methods to comply with State Water Board reporting requirements.
Design-Build	<b>SB 991 Newman (D)</b>	Amended 3/22/2022	<b>Public contracts: progressive design-build: local agencies</b>	<b>SUPPORT</b>	SB 991 could benefit water agencies, including Metropolitan, by giving them the option to use progressive design-build, which allows for greater collaboration



**Metropolitan Water District of Southern California**  
**State Legislative Matrix**  
**May 5, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
	Sponsors:  Water Collaborative Delivery Association (formerly Design Build Council)	Senate Third Reading	Authorize local water and wastewater agencies to use the progressive design-build (PDB) project delivery method for public works projects in excess of \$5 million.	Based on April 2022 Board Action	between the project owner and the contractor through the design and construction phase thereby reducing project costs, risk, and schedules.
Governance	<b>AB 2449</b> <b>B. Rubio (D)</b>  Sponsor:  Three Valleys Municipal Water District	Introduced 2/17/2022  Assembly Third Reading	<b>Open meetings: local agencies: teleconferences</b>  Amends the Ralph M. Brown Act to allow a local agency to voluntarily use teleconferencing for public meetings during non-emergencies. Requires a quorum of the members meet in person at a noticed location that is open to the public and within the agency's jurisdiction. The bill prescribes requirements for this exception related to notice, agendas, means and manner of access, and procedures for disruptions. Requires procedures for receiving and swiftly resolving requests for reasonable accommodation for individuals with disabilities, consistent with federal law.	<b>SUPPORT</b>  Based on April 2021 Board Action	Metropolitan currently hosts teleconferencing public meetings in accordance with Executive Order, N-29-20. AB 2449 allows the option to hold teleconferenced meetings into the future after the COVID-19 public health emergency is over and the Executive Order is lifted as long as a quorum of the Board's directors participate in person, give notice and post agendas as prescribed, ensure that directors attending meeting by teleconference participate through both audio and visual technology, and allow the public to address the Board in person or by teleconference. Waives the requirement to post an agenda at each teleconferenced location and assure public access to those locations. If there is a disruption to the call-in or streaming options, then no action can be taken by the board.

**Metropolitan Water District of Southern California**  
**State Legislative Matrix**  
**May 5, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
			Requires a quorum of the legislative body present at the location noticed on the agenda, an audio and video live-feed of the remote member of the legislative body during the meeting.		
Regulatory Reform	<b>AB 2313</b> <b>Bloom (D)</b>  Sponsor:  Author	Amended 4/27/2022  Assembly Appropriations Committee	Water: judges and adjudications  Would require the Judicial Council on or before January 1, 2025 to establish a program that provides training and education to judges in specified actions relating to water quality, groundwater, water transfers and water rights. Requires the Judicial Council to identify independent and nonpartisan experts in water issues who will be available to any judge adjudicating a water dispute and authorizes judges to appoint special masters in water cases to investigate technical and legal issues among other duties.	<b>SUPPORT</b>  Based upon Board-adopted 2022 Legislative Priorities and Principles	Metropolitan's interests in enforcement of water quality law and water rights would be better served by judges, court staff, and special masters who have received training in the legal, scientific and technical issues involving water quality, water rights and water transfers.
Water Bond Infrastructure Funding	<b>SB 559</b> <b>Hurtado (D)</b>  Sponsors:	Amended 8/30/2021  Senate Inactive File	<b>Department of Water Resources: water conveyance systems: Canal Conveyance Capacity Restoration Fund</b>	<b>WATCH</b>  Based upon Board adopted 2021 State Legislative	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

**Metropolitan Water District of Southern California**  
**State Legislative Matrix**  
**May 5, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
	Friant Water Authority, San Luis & Delta Mendota Water Authority, and State Water Contractors	Two-year bill	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.	Priorities and Principles	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: 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.
Water Conservation	<b>AB 2142</b> <b>Gabriel (D)</b>  Sponsor: Association of California Water Agencies  California Water Efficiency Partnership	Amended 4/6/2022  Assembly Appropriations Committee	<b>Income taxes: exclusion: turf replacement water conservation program.</b>  Would provide an exclusion from gross income for any amount received as a rebate, voucher or other financial incentive issued by a local water agency or supplier for participation in a turf replacement water conservation program during the taxable years of January 1, 2022 through January 1, 2027.	<b>SUPPORT</b>  Based upon Board adopted 2022 Legislative Priorities and Principles	Metropolitan previously supported the Making Conservation a Way of Life legislation and is working hard to promote indoor and outdoor conservation. Conservation rebates are key to success. California law previously exempted turf rebates from taxable income, but those provisions were allowed to sunset in December 2019. This bill would reinstate an important tax exemption for turf replacement rebates from gross income in California, aligning it with certain other permanently exempt efficiency rebates.

**Metropolitan Water District of Southern California  
State Legislative Matrix  
May 5, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
	WaterNow Alliance				
Water Governance and Funding	<b>AB 1195</b> <b>C. Garcia (D)</b>  Sponsor:  Author	Amended 5/24/2021  Senate Natural Resources and Water Committee  Two-year bill	<b>Drinking water.</b>  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.	<b>OPPOSE UNLESS AMENDED</b>  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, 2021 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 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.
Water Quality	<b>AB 1817</b> <b>Ting (D)</b>  Sponsors:	Amended 03/24/2022	<b>Product safety: textile articles: perfluoroalkyl and polyfluoroalkyl (PFAS).</b>	<b>SUPPORT AND AMEND</b>	Metropolitan supports the removal or reduction of PFAS in manufactured products in order to protect source

**Metropolitan Water District of Southern California**  
**State Legislative Matrix**  
**May 5, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
	Breast Cancer Prevention Partners, Natural Resources Defense Council, and Clean Water Action	Assembly Third Reading	Prohibits as of January 1, 2024, any person from distributing, selling, or offering for sale in California any textile articles that contain “regulated PFAS” as defined, and requires the manufacturer to use the least toxic alternative to regulated PFAS.	Based upon Board adopted 2022 Legislative Priorities and Principles	water quality. Metropolitan is seeking amendments to clarify that the bill applies to manufacturers and not state and local agencies and to change the term “regulated PFAS” to “detected PFAS” in consumer products and not drinking water.
Water Quality	<b>AB 2247 Bloom (D)</b>  Sponsors:  Environmental Working Group, Clean Water Action, and California Association of Sanitation Agencies	Amended 4/20/2022  Assembly Appropriations Committee	<b>Perfluoroalkyl and polyfluoroalkyl substances (PFAS) and PFAS products and product components: publicly accessible reporting platform.</b>  Requires the Department of Toxic Substances Control to develop a publicly accessible reporting platform to collect information about PFAS and products containing PFAS by January 1, 2024. By March 1, 2024, manufactures will be required to register the PFAS or product on the reporting platform.	<b>SUPPORT AND AMENDED</b>  Based upon Board adopted 2022 Legislative Priorities and Principles	Metropolitan supports the removal or reduction of PFAS in manufactured products to protect source water quality. Metropolitan is seeking an amendment to change “regulated PFAS” to “detected PFAS” and to clarify the bill applies to consumer products and not drinking water.
Water quality	<b>AB 2771 Friedman (D)</b>  Sponsors:	Amended 4/18/2022	<b>Cosmetic products: safety</b>  Prohibits a person or entity from manufacturing, selling, delivering, holding, or offering for sale in	<b>SUPPORT</b>  Based upon Board adopted 2022 Legislative	Metropolitan supports the removal or reduction of PFAS in manufactured products to protect source water quality.

**Metropolitan Water District of Southern California  
State Legislative Matrix  
May 5, 2022 – Second Year of Legislative Session**

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
	Environmental Working Group, Breast Cancer Prevention Partners, The California Public Research Group (CALPIRG)	Assembly Third Reading	commerce any cosmetic product that contains PFAS.	Priorities and Principles	



## STAFF REPORT

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**To:** Board of Directors **Meeting Date:** June 23, 2022  
**From:** Sherri Seitz, Public Relations / Emergency Preparedness Administrator  
**Subject:** Public Education and Outreach Report

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### **Bill Message:**

Customer June bill message:

Necessary increases of certain El Toro Water District rates and charges are described in the 2022-23 Proposition 218 Notice. The Proposition 218 Notice is available for review on the District's website at: <https://etwd.com/governance/prop-218-notices/>

### **Newsletter**

The Summer ETWD newsletter will be distributed with the June/July bills. The newsletter will also be distributed to ETWD's HOA's, through Laguna Woods Village E-blast, and inserted in the Laguna Woods Globe. Topics include the El Toro Regional Reservoir Cover and Liner Replacement Project, Water Quality Report, Rebates, Fixing Leaks, Landscape Classes, Community Events, New Employee Spotlight, Past Director Jerry Werner, and Orange County Register Top Workplace and AA Credit Rating.

### **Proposition 218 Notice**

Designed and mailed the Proposition 218 Notice. The notice was mailed to the ETWD parcel owners on June 8, 2022.

### **Proposition 218 Bill Flyer**

In addition to the Proposition 218 Notice, a bill flyer was designed and included with the June bills announcing the Proposition 218 notice and where to find the notice on the ETWD website.



### **Prop 218 Notice Amendment**

Designed the Proposition 218 Notice Amendment. Printing and mailing will follow approval of the notice.

### **Prop 218 Notice Amendment Bill Flyer**

In addition to the Proposition 218 Notice Amendment, a bill flyer was designed and will be included in the July bills. The flyer will announce the change to the Prop 218 Notice and where to find the notice on the website.

### **Laguna Woods Village Television:**

President Freshley will interview with Lisa Hart on Laguna Woods Television “This Day” in early July. President Freshley will discuss ETWD’s 2022/2023 Budget.

### **Orange County Public Relations Society of America (OCPRSA)**

Each year, the OCPRSA PROTOS Awards Gala honors Orange County’s top public relations professionals, programs and campaigns. There are 38 various categories that fall under public relations programs, media relations, collateral materials and digital media.

ETWD entered the redesign of the Water Views Newsletter into the 2022 OCPRSA PROTOS Awards under the entry category C1 Collateral Materials for External Audience. The redesigned newsletter was a collaboration between ETWD staff and RockSpark Communications + Marketing. The newsletter redesign included the following strategies:

- Leverage creative storytelling and modern design to engage and motivate target audiences.
- Focus on topics with the most potential to effectively help customers reduce water consumption, including outdoor rebate programs and water-wise gardening best practices.
- Include behind the scenes ETWD employee photos to humanize local government, emphasize collaboration and demonstrate that staff cares about the community.
- Upgrade the newsletter writing style to adhere to the Federal Plain Language Standards and ensure that it is easy for the average customer to understand.

The OCPRSA PROTO Winners will be announced at the Annual Awards in October 2022.

### **Adopt a Channel**

Sherri is working with Kim Buss and David Razo at the County of Orange Public Works to schedule a walk-through of Adopt a Channel F23 with the Orange County Conservation Corp to obtain a more definitive cost.

### **Community Events**

#### **City of Mission Viejo Chamber of Commerce – State of the City/Meet the Mayor**

ETWD Directors Mike Gaskins, Mark Monin and staff, Sherri Seitz attended the Mission Viejo Chamber of Commerce Breakfast on June 9, 2022. The event included a State of the City address from Mission Viejo Mayor Wendy Bucknum, presentations of Pandemic frontline workers, award presentations and swearing in new board members. The District co-sponsored the succulent table decorations with Santa Margarita Water District.

#### **City of Mission Viejo – National Night Out**

ETWD will participate in the City of Mission Viejo's National Night Out on Monday, August 1, 2022 from 5:00 pm to 8:00 pm at the Florence Joyner Olympiad Park in Mission Viejo.

ETWD staff will be taking out the drinking water trailer to provide water to the attendees. They are expecting between 500 and 1000 people to attend the event.

**To:** Board of Directors **Meeting Date:** June 23, 2022

**From:** Sherri Seitz, Public Relations / Emergency Preparedness Administrator

**Subject:** Water Use Efficiency Report

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.

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](http://www.etwd.com/conservation/rebates).

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*			\$2 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](http://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.

<b>Device</b>	<b>Total # Rebates Paid</b>	<b>ETWD Supplemental Amount</b>	<b>Budget 21/22</b>	<b>ETWD Supplemental Rebate Total</b>
High Efficiency Clothes Washer	13	\$115	\$9,200	\$1,495
Premium High Efficiency Toilet	0	\$60	\$3,000	\$0
Smart Irrigation Timer/Soil Moisture Sensor System	4	\$75 (amount varies)	\$2,100	\$148.19
Rain Barrels Cisterns	3	\$15	\$225	\$45
Total			\$14,525	\$1,688.99

<b>Turf Removal Program</b>	<b>Total sq.ft. Paid</b>	<b>ETWD Supplemental Amount</b>	<b>Budget 21/22</b>	<b>ETWD Supplemental Rebate Total</b>
Turf Removal Residential	2,171	\$1 sq. ft.	\$10,000	\$2,171

**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 May 2022, year-to-date sales, residential accounted for 65% of the overall Tier 3 usage and dedicated irrigation accounted for 49% of Tier 4 usage.](#)

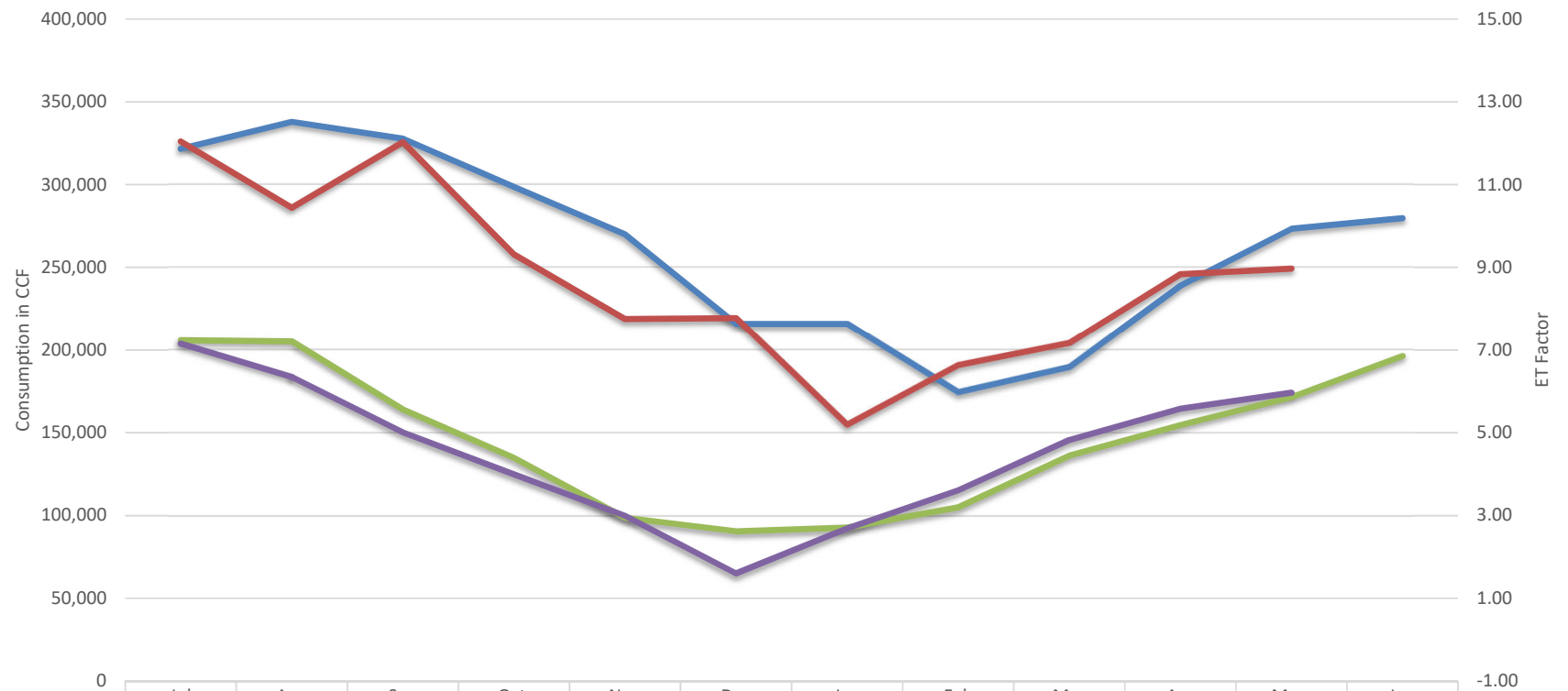
**Total Consumption Comparison to Evapotranspiration (ET) Factor::**

Included in this month's Water Use Efficiency Report is a chart comparing the current fiscal year 2021/22 consumption and ET factor to the fiscal 2020/21 consumption and ET factor. [The ET factor increased 2% from May 2021 when compared to May 2022. There was an 9% decrease in consumption reflected in May 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	190,655	203,970	245,962	249,225	
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	3.61	4.83	5.58	5.97	
%	101%	85%	99%	86%	81%	102%	72%	109%	108%	103%	91%	



## 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	25.50	8.31	\$23,998
*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	62.89	20.50	\$59,186
Rain Barrels	2013	8	0.16	0.05	\$151
Spray to Drip	2013	8	5.06	1.65	\$4,762
**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
<b>Totals</b>			<b>985.6</b>	<b>321.2</b>	<b>\$927,569</b>

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

\*\* Formerly the Landscape Performance Certification Program

\*\*\* Correction on date and total

Because of our participation in Water Use Efficiency Programs, the District will not be using an estimated 321.2 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	March-22	229	0.63	1,679	20.77	126,058	4,135	40,151
High Efficiency Toilet (HET) Program	2005	March-22	7	0.02	180	7.66	60,825	2,248	27,035
Flow Monitoring Devices (FMD) Program	2021	March-22	3	0.01	15	0.16	15	0.75	0.16
Commercial Plumbing Fixture Rebate Program	2002	March-22	2	0.11	577	14.24	111,490	5,295	66,244
Industrial Process/Water Savings Incentive Program (WSIP)	2006	March-22	0	6.96	1	5.22	39	1,291	6,346
Turf Removal Program <sup>[3]</sup>	2010	March-22	126,756	1.43	533,043	13.52	24,090,372	3,373	22,278
Spray-to-Drip Program <sup>[3]</sup>	2013	March-22	37,982	0.35	185,387	6.58	1,588,351	215	824
Smart Timer Program - Irrigation Timers	2004	March-22	133	1.00	1,474	98.83	32,628	9,495	73,506
Rotating Nozzles Rebate Program	2007	March-22	100	0.40	1,368	4.28	572,037	2,794	28,004
Rain Barrels Rebate Program	2013	March-22	12	0.00	64	0.05	8,660	16	101
Recycled Water Retrofit	2015	March-22	0	0.00	4	14.62	182	3,687	19,464
Water Smart Landscape Program <sup>[1]</sup>	1997						12,677	10,621	72,668
Home Water Certification Program	2013						312	7.339	15.266
Synthetic Turf Rebate Program	2007						685,438	96	469
Ultra-Low-Flush-Toilet Programs <sup>[2]</sup>	1992						363,926	13,452	162,561
Home Water Surveys <sup>[2]</sup>	1995						11,867	160	1,708
Showerhead Replacements <sup>[2]</sup>	1991						270,604	1,667	19,083
<b>Total Water Savings All Programs</b>				<b>11</b>	<b>723,792</b>	<b>186</b>	<b>27,935,481</b>	<b>58,554</b>	<b>540,459</b>

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

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

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

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

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

Agency	FY 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	22	2,083	0.29	603.74	1,078
Buena Park	9	45	88	81	84	85	114	146	59	230	145	105	106	91	76	54	50	45	28	56	31	1,728	0.39	513.63	894
East Orange	3	8	20	20	11	18	22	17	3	23	10	10	8	8	8	3	1	6	2	2	4	207	0.04	62.55	107
El Toro	21	88	108	103	83	91	113	130	32	162	112	134	121	111	65	47	50	40	29	41	19	1,700	0.28	509.94	880
Fountain Valley	36	127	209	196	178	205	219	243	72	289	158	115	102	110	76	65	48	39	34	36	16	2,573	0.15	816.59	1,331
Garden Grove	39	173	278	243	243	238	304	332	101	481	236	190	162	165	251	127	87	69	62	102	61	3,944	0.66	1,181.87	2,041
Golden State	37	195	339	374	342	339	401	447	168	583	485	265	283	359	260	138	156	92	94	141	82	5,580	1.03	1,704.72	2,887
Huntington Beach	114	486	857	738	680	761	750	751	211	963	582	334	295	319	225	180	139	92	113	164	70	8,824	0.86	2,727.05	4,566
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	380	28,115	4.83	8,590.27	14,548
La Habra	8	40	86	81	66	96	136	83	22	179	128	82	114	87	66	53	48	48	45	65	29	1,562	0.37	444.01	808
La Palma	3	5	13	21	18	33	35	51	25	76	46	34	25	34	29	10	14	7	12	7	9	507	0.10	164.81	262
Laguna Beach	17	88	119	84	68	57	77	77	27	96	57	38	37	39	32	19	20	18	16	25	15	1,026	0.20	291.27	531
Mesa Water	24	117	228	240	212	239	249	246	73	232	176	114	86	89	113	79	53	38	41	99	26	2,774	0.39	855.58	1,435
Moulton Niguel	158	630	841	640	570	652	716	742	250	1,127	679	442	421	790	688	574	524	356	295	422	197	11,714	2.68	3,231.24	6,061
Newport Beach	17	144	343	277	243	245	270	259	57	197	142	116	92	95	66	61	51	41	26	35	18	2,795	0.26	811.55	1,446
Orange	58	247	304	358	330	366	365	403	111	349	262	218	163	160	124	80	73	55	59	90	42	4,217	0.52	1,395.07	2,182
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	0.11	490.69	818
San Clemente	32	182	235	170	136	204	261	278	63	333	206	140	94	141	75	70	83	62	61	73	38	2,937	0.51	884.58	1,520
Santa Margarita	140	510	743	573	592	654	683	740	257	1,105	679	553	662	792	466	367	271	212	248	307	150	10,704	1.93	3,114.42	5,539
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	7	669	0.10	196.78	346
Serrano	9	16	54	39	39	30	31	23	7	21	20	13	10	26	8	11	8	2	7	4	3	381	0.05	102.09	197
South Coast	35	138	165	97	103	107	130	148	43	183	112	89	79	68	43	44	36	28	30	29	23	1,730	0.31	516.75	895
Trabuco Canyon	10	63	76	58	44	69	60	62	28	82	62	30	45	47	34	28	22	13	12	13	11	869	0.15	259.85	450
Tustin	21	89	152	138	127	152	146	144	45	174	97	78	59	80	66	44	48	34	29	64	24	1,811	0.27	542.82	937
Westminster	37	159	235	196	186	213	171	233	74	329	208	121	82	109	149	84	65	45	35	79	32	2,842	0.33	852.95	1,471
Yorba Linda	36	214	342	355	333	288	350	367	117	394	273	181	167	156	123	55	66	43	61	75	42	4,038	0.47	1,281.33	2,089
<b>MWDOC Totals</b>	<b>1,069</b>	<b>4,620</b>	<b>7,277</b>	<b>6,453</b>	<b>6,424</b>	<b>7,406</b>	<b>7,987</b>	<b>8,106</b>	<b>3,331</b>	<b>10,686</b>	<b>7,350</b>	<b>5,365</b>	<b>5,094</b>	<b>6,002</b>	<b>4,726</b>	<b>3,661</b>	<b>3,211</b>	<b>2,351</b>	<b>1,902</b>	<b>2,533</b>	<b>1,356</b>	<b>106,910</b>	<b>17.28</b>	<b>32,146.14</b>	<b>20,655</b>
Anaheim	917	677	904	1,364	701	854	847	781	860	910	477	331	285	295	266	213	173	135	119	204	107	11,420	1.11	5,122.38	5,909
Fullerton	40	196	369	289	263	269	334	330	69	397	270	200	186	211	165	107	99	113	84	95	54	4,140	0.61	1,628.37	2,142
Santa Ana	15	69	188	269	244	236	235	257	87	355	190	163	131	132	259	141	124	128	49	154	162	3,588	1.77	1,254.40	1,857
<b>Non-MWDOC Totals</b>	<b>972</b>	<b>942</b>	<b>1,461</b>	<b>1,922</b>	<b>1,208</b>	<b>1,359</b>	<b>1,416</b>	<b>1,368</b>	<b>1,016</b>	<b>1,662</b>	<b>937</b>	<b>694</b>	<b>602</b>	<b>638</b>	<b>690</b>	<b>461</b>	<b>396</b>	<b>376</b>	<b>252</b>	<b>453</b>	<b>323</b>	<b>19,148</b>	<b>3.49</b>	<b>8,005.14</b>	<b>3,699</b>
<b>Orange County Totals</b>	<b>2,041</b>	<b>5,562</b>	<b>8,738</b>	<b>8,375</b>	<b>7,632</b>	<b>8,765</b>	<b>9,403</b>	<b>9,474</b>	<b>4,347</b>	<b>12,348</b>	<b>8,287</b>	<b>6,059</b>	<b>5,696</b>	<b>6,640</b>	<b>5,416</b>	<b>4,122</b>	<b>3,607</b>	<b>2,727</b>	<b>2,154</b>	<b>2,986</b>	<b>1,679</b>	<b>126,058</b>	<b>20.77</b>	<b>40,151.28</b>	<b>24,354</b>

## 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	3	2,825	1,237.75
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	23	17,442	8,253.78
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	4	898	370.39
Santa Margarita WD	528	997	1,152	114	33	11	15	28	13	3,409	1,227.23
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	398.14
Trabuco Canyon WD	10	108	169	2	3	2	0	2	4	350	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
<b>MWDOC Totals</b>	<b>3,330</b>	<b>12,038</b>	<b>11,118</b>	<b>958</b>	<b>424</b>	<b>257</b>	<b>162</b>	<b>159</b>	<b>70</b>	<b>51,778</b>	<b>22,687.30</b>
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	452.57
Santa Ana	33	602	293	20	0	4	8	5	1	2,039	947.92
<b>Non-MWDOC Totals</b>	<b>250</b>	<b>2,083</b>	<b>1,193</b>	<b>104</b>	<b>28</b>	<b>17</b>	<b>26</b>	<b>20</b>	<b>3</b>	<b>9,035</b>	<b>4,347.96</b>
<b>Orange County Totals</b>	<b>3,580</b>	<b>14,121</b>	<b>12,311</b>	<b>1,062</b>	<b>452</b>	<b>274</b>	<b>188</b>	<b>179</b>	<b>73</b>	<b>60,813</b>	<b>27,035.26</b>

**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	0.02
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	3	0	3	0.03
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	8	0	8	0.08
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	-
<b>MWDOC Totals</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>0.13</b>

Anaheim	0	0	0	-
Fullerton	3	0	3	0.03
Santa Ana	0	0	0	-
<b>Non-MWDOC Totals</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0.03</b>

<b>Orange County Totals</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>0.16</b>
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**COMMERCIAL PLUMBING FIXTURES INSTALLED BY AGENCY<sup>[1]</sup>**  
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	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	574	3,193	2,378
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	2	30,482	13,590
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	1	1,016	881
<b>MWDOC Totals</b>	<b>1,172</b>	<b>2,161</b>	<b>17,275</b>	<b>13,829</b>	<b>5,830</b>	<b>10,102</b>	<b>3,470</b>	<b>346</b>	<b>577</b>	<b>82,759</b>	<b>45,334</b>
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
<b>Non-MWDOC Totals</b>	<b>359</b>	<b>646</b>	<b>4,841</b>	<b>1,168</b>	<b>2,664</b>	<b>1,077</b>	<b>1,868</b>	<b>277</b>	<b>0</b>	<b>28,154</b>	<b>20,910</b>
<b>Orange County Totals</b>	<b>1,531</b>	<b>2,807</b>	<b>22,116</b>	<b>14,997</b>	<b>8,494</b>	<b>11,179</b>	<b>5,338</b>	<b>623</b>	<b>577</b>	<b>110,913</b>	<b>66,244</b>

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

# INDUSTRIAL PROCESS/WATER SAVINGS INCENTIVE PROGRAM

## Number of Projects by Agency

Agency	FY 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	1065
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
<b>MWDOC Totals</b>	<b>9</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>37</b>	<b>875</b>	<b>5008</b>
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
<b>OC Totals</b>	<b>10</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>39</b>	<b>1291</b>	<b>6346</b>

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

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



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

Agency	FY 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	2,902	0	240,986	516,940	692.41
Buena Park	3,741	0	4,586	0	1,230	0	7,222	0	2,688	0	3,094	0	108,264	18,116	112.30
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	2,801	2,379	149,368	582,259	691.75
Fountain Valley	3,679	0	8,631	0	5,764	28,700	734	0	4,095	20,921	14,185	0	139,952	62,424	168.36
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	21,426	19,914	592,110	476,162	1,043.85
Irvine Ranch	231,483	46,725	86,893	61,037	55,346	203,014	23,465	30,267	14,662	18,545	15,035	36,484	1,510,939	3,476,460	4,593.68
La Habra	0	0	3,003	0	1,504	0	6,102	0	6,369	0	1,006	1,907	80,683	90,019	163.98
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	2,445	0	76,887	48,788	131.40
Mesa Water	4,173	77,033	17,373	77,785	3,023	0	16,189	47,075	18,700	1,620	22,324	0	451,638	344,029	670.33
Moulton Niguel	220,749	0	98,271	0	106,574	0	81,778	18,951	38,555	184,371	27,194	82,306	1,781,641	3,043,376	4,591.03
Newport Beach	2,924	0	5,938	6,499	0	90,403	1,294	0	756	8,070	823	46,062	129,478	547,999	614.84
Orange	12,847	2,366	11,956	0	13,645	1,798	2,190	0	15,343	0	14,020	0	506,230	400,776	908.91
San Clemente	4,267	0	33,083	7,098	6,500	0	6,420	13,719	10,148	50,000	4,864	6,067	422,051	537,990	875.15
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	5,032	23,807	913,956	1,309,523	2,094.03
Seal Beach	1,234	0	752	0	0	0	996	0	780	3,962	4,226	0	39,900	20,377	56.92
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	70,542	360,923	582,890	890.94
Trabuco Canyon	1,465	0	4,788	0	1,536	0	4,752	49,533	1,520	0	5,957	50,000	75,807	160,245	209.64
Tustin	11,173	0	16,926	0	13,189	6,894	15,343	6,936	15,919	0	14,974	5,698	387,922	61,329	401.13
Westminster	11,112	0	10,033	0	5,924	0	1,962	0	1,237	0	4,614	0	116,141	58,533	160.40
Yorba Linda	19,420	0	9,529	3,696	12,590	12,020	7,773	0	1,090	0	4,478	10,068	534,166	145,403	644.80
<b>MWDOC Totals</b>	<b>613,934</b>	<b>264,998</b>	<b>424,780</b>	<b>264,697</b>	<b>288,590</b>	<b>509,385</b>	<b>238,771</b>	<b>303,842</b>	<b>182,627</b>	<b>439,036</b>	<b>177,809</b>	<b>355,234</b>	<b>10,100,481</b>	<b>13,447,634</b>	<b>22,267.13</b>

Anaheim	0	0	0	0	0	0	0	0	0	0			0	0	-
Fullerton	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	-
<b>Non-MWDOC Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,214</b>	<b>11.24</b>

<b>Orange County Totals</b>	<b>613,934</b>	<b>264,998</b>	<b>424,780</b>	<b>264,697</b>	<b>288,590</b>	<b>509,385</b>	<b>238,771</b>	<b>303,842</b>	<b>182,627</b>	<b>439,036</b>	<b>177,809</b>	<b>355,234</b>	<b>10,100,481</b>	<b>13,456,848</b>	<b>22,278</b>
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[1] Installed device numbers are listed as square feet

**SPRAY-TO-DRIP BY AGENCY<sup>[1]</sup>**  
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	0	0	325	0	0	0	2,026	0	1,023	0	949	0	5,073	30,833	22.34
Buena Park	0	0	0	0	0	0	0	0	1,589	0	354	3,365	1,943	7,179	3.08
East Orange	0	0	0	0	0	0	0	0	0	0	5,000	0	5,000	0	0.45
El Toro	0	0	0	11,473	3,084	14,770	0	0	0	4,000	0	0	4,584	68,883	40.48
Fountain Valley	0	0	361	1,429	1,145	19,427	0	0	2,443	0	10,271	0	15,470	20,856	11.11
Garden Grove	0	0	0	0	0	0	0	0	0	0	0	0	2,125	0	2.05
Golden State	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0.90
Huntington Beach	0	0	1,350	0	0	0	1,140	5,309	12,159	0	12,743	0	30,767	14,792	14.52
Irvine Ranch	1,625	0	3,089	0	7,972	63,159	8,879	20,569	20,249	38,048	8,513	7,607	57,952	262,500	147.73
La Habra	0	0	0	0	0	0	0	0	3,021	0	0	0	3,021	0	0.57
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	1,571	0	6,370	0	3.54
Mesa Water	0	0	2,163	0	2,602	7,547	6,640	0	11,062	0	6,280	0	31,247	12,444	14.63
Moulton Niguel	0	0	0	120,459	0	6,478	0	627	0	0	0	4,670	15,125	330,918	211.64
Newport Beach	0	0	1,600	0	1,495	0	0	0	301	0	457	0	3,853	52,244	36.65
Orange	0	0	0	0	4,732	0	687	0	1,927	0	2,819	0	12,415	13,152	14.71
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0	0	0	2,125	0	1.82
San Clemente	0	0	2,343	8,505	0	0	0	0	5,746	0	3,135	0	12,849	8,505	7.63
Santa Margarita	625	0	5,720	0	1,533	0	2,368	15,344	11,004	0	655	0	66,905	241,355	220.55
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	2.41
South Coast	625	0	0	0	0	0	1,913	30,912	0	1,018	0	85,495	7,413	150,651	40.10
Trabuco Canyon	0	0	0	0	0	0	0	0	1,748	0	0	0	1,748	0	0.20
Tustin	0	0	0	0	5,066	0	958	5,461	9,613	0	9,966	5,305	29,603	10,766	10.26
Westminster	0	0	0	0	463	0	0	0	445	0	0	0	1,783	15,339	11.03
Yorba Linda	0	0	0	4,125	3,652	0	0	0	0	0	250	15,982	6,152	20,107	5.92
<b>MWDOC Totals</b>	<b>5,250</b>	<b>0</b>	<b>19,429</b>	<b>145,991</b>	<b>31,744</b>	<b>111,381</b>	<b>24,611</b>	<b>78,222</b>	<b>82,330</b>	<b>43,066</b>	<b>62,963</b>	<b>122,424</b>	<b>327,827</b>	<b>1,260,524</b>	<b>824.31</b>
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	-
<b>Non-MWDOC Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Orange County Totals</b>	<b>5,250</b>	<b>0</b>	<b>19,429</b>	<b>145,991</b>	<b>31,744</b>	<b>111,381</b>	<b>24,611</b>	<b>78,222</b>	<b>82,330</b>	<b>43,066</b>	<b>62,963</b>	<b>122,424</b>	<b>327,827</b>	<b>1,260,524</b>	<b>824</b>

[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	23	0	276	80	716.67
Buena Park	0	0	4	10	7	4	10	7	15	3	17	7	22	1	28	1	8	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	3	0	38	1	42.94
El Toro WD	11	0	8	9	9	17	33	8	29	4	34	0	21	3	28	1	21	0	227	363	3,237.77
Fountain Valley	4	0	7	10	13	1	33	12	28	12	36	4	41	(2)	38	0	21	4	234	54	325.17
Garden Grove	9	0	10	14	13	11	28	0	27	2	36	3	31	0	23	0	15	0	218	43	288.83
Golden State WC	9	25	39	12	35	16	56	37	88	6	85	15	89	0	79	0	59	0	566	213	1,316.81
Huntington Beach	20	35	19	2	42	12	88	94	70	30	105	65	71	21	75	2	42	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	270	59	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	10	0	114	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	4	0	546	20	349.16
Mesa Water	15	2	17	28	36	12	149	41	49	0	34	55	31	3	30	2	16	0	478	214	1,222.28
Moulton Niguel WD	40	45	46	95	163	100	236	129	284	33	316	64	279	45	632	78	252	56	2,677	1,077	5,800.75
Newport Beach	168	75	11	9	28	43	30	12	24	0	21	0	11	32	16	12	12	18	1,122	471	3,645.01
Orange	13	9	18	31	51	13	69	10	61	13	93	26	99	15	95	2	37	6	670	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	13	39	1,209	500	3,725.02
Santa Margarita WD	64	93	53	321	189	136	326	221	273	220	222	37	223	31	226	176	152	40	2,250	1,876	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	14	0	243	157	1,294.78
Tustin	9	1	18	14	33	8	33	23	27	1	37	0	40	0	52	0	21	1	320	82	539.28
Westminster	2	0	13	17	7	1	17	12	22	0	24	0	20	0	17	0	7	0	155	44	304.83
Yorba Linda	12	5	32	2	61	27	72	71	68	10	74	4	111	5	134	9	72	1	797	212	1,329.70
<b>MWDOC Totals</b>	<b>571</b>	<b>402</b>	<b>648</b>	<b>1,026</b>	<b>1,123</b>	<b>3,136</b>	<b>1,691</b>	<b>1,137</b>	<b>1,652</b>	<b>460</b>	<b>1,693</b>	<b>427</b>	<b>1,583</b>	<b>323</b>	<b>2,985</b>	<b>420</b>	<b>1,098</b>	<b>238</b>	<b>17,806</b>	<b>11,744</b>	<b>67,529.60</b>
Anaheim	9	26	7	52	30	34	87	10	66	0	142	73	111	9	177	20	62	8	802	567	3,785.91
Fullerton	8	0	40	26	32	12	53	7	45	0	77	0	61	8	93	2	43	10	518	219	1,403.93
Santa Ana	7	8	9	27	22	26	15	3	16	0	24	20	19	129	34	0	14	1	189	250	787.00
<b>Non-MWDOC Totals</b>	<b>24</b>	<b>34</b>	<b>56</b>	<b>105</b>	<b>84</b>	<b>72</b>	<b>155</b>	<b>20</b>	<b>127</b>	<b>0</b>	<b>243</b>	<b>93</b>	<b>191</b>	<b>146</b>	<b>304</b>	<b>22</b>	<b>119</b>	<b>19</b>	<b>1509</b>	<b>1036</b>	<b>5,976.83</b>
<b>Orange County Totals</b>	<b>595</b>	<b>436</b>	<b>704</b>	<b>1,131</b>	<b>1,207</b>	<b>3,208</b>	<b>1,846</b>	<b>1,157</b>	<b>1,779</b>	<b>460</b>	<b>1,936</b>	<b>520</b>	<b>1,774</b>	<b>469</b>	<b>3,289</b>	<b>442</b>	<b>1,217</b>	<b>257</b>	<b>19,315</b>	<b>12,780</b>	<b>73,506</b>

**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	462	0	0	48,750	94,346	2,004	6,907.61
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	80	0	0	10,294	7,538	1,343	1,183.01
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
<b>MWDOC Totals</b>	<b>1,556</b>	<b>31,599</b>	<b>0</b>	<b>2,199</b>	<b>-710</b>	<b>0</b>	<b>1,043</b>	<b>1,980</b>	<b>0</b>	<b>###</b>	<b>0</b>	<b>0</b>	<b>1,370</b>	<b>0</b>	<b>0</b>	<b>1,070</b>	<b>0</b>	<b>0</b>	<b>200,027</b>	<b>280,340</b>	<b>14,752</b>	<b>24,671.15</b>
Anaheim	147	3,953	0	0	0	0	0	0	0	0	0	0	73	0	0	147	0	0	4,240	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	50	0	0	943	5,752	0	225.97
<b>Non-MWDOC Totals</b>	<b>212</b>	<b>8,093</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140</b>	<b>0</b>	<b>0</b>	<b>109</b>	<b>0</b>	<b>0</b>	<b>133</b>	<b>0</b>	<b>0</b>	<b>298</b>	<b>0</b>	<b>0</b>	<b>8,469</b>	<b>66,860</b>	<b>1,589</b>	<b>3,333.00</b>
<b>Orange County Totals</b>	<b>1,768</b>	<b>39,692</b>	<b>0</b>	<b>2,199</b>	<b>-710</b>	<b>0</b>	<b>###</b>	<b>1,980</b>	<b>0</b>	<b>###</b>	<b>0</b>	<b>0</b>	<b>1,503</b>	<b>0</b>	<b>0</b>	<b>1,368</b>	<b>0</b>	<b>0</b>	<b>208,496</b>	<b>347,200</b>	<b>16,341</b>	<b>28,004.16</b>

**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	Cumulative Water Savings across all Fiscal Years
Brea	0	15	61	8	2	0	2	1	0	0	89	1.04
Buena Park	5	9	148	24	5	3	2	2	1	0	199	2.25
East Orange	8	8	23	0	0	0	1	4	0	0	44	0.52
El Toro	5	4	78	13	7	6	2	4	3	0	122	1.29
Fountain Valley	8	22	210	136	16	6	1	4	2	0	405	4.53
Garden Grove	16	34	237	38	17	5	11	7	5	0	370	4.18
Golden State	14	43	239	207	11	9	8	10	2	0	543	6.06
Huntington Beach	147	294	700	50	11	6	8	10	4	0	1,230	15.39
Irvine Ranch	21	101	778	82	24	19	9	27	10	0	1,071	12.03
La Habra	12	15	39	4	1	0	2	0	1	0	74	0.90
La Palma	0	0	4	4	0	0	0	0	2	0	10	0.09
Laguna Beach	67	279	85	7	1	1	10	0	5	0	455	5.94
Mesa Water	8	64	229	32	14	8	11	2	4	0	372	4.28
Moulton Niguel	2	74	259	63	12	12	5	2	7	0	436	4.93
Newport Beach	3	4	52	5	5	1	3	2	0	0	75	0.82
Orange	8	41	284	31	15	12	2	2	4	0	399	4.55
San Juan Capistrano	20	70	192	4	3	4	0	2	0	0	295	3.55
San Clemente	7	54	95	6	8	3	0	1	5	0	179	2.10
Santa Margarita	30	29	237	46	9	6	2	6	2	0	367	4.26
Seal Beach	8	20	37	4	2	2	-2	0	0	0	71	0.90
Serrano	0	11	21	8	0	0	0	0	2	0	42	0.49
South Coast	14	97	55	14	3	1	0	0	2	0	186	2.34
Trabuco Canyon	0	11	44	2	1	0	0	1	0	0	59	0.70
Tustin	9	23	175	27	5	5	7	3	0	0	254	2.90
Westminster	5	8	118	63	23	13	16	27	0	0	273	2.64
Yorba Linda	5	20	183	18	0	3	0	4	0	0	233	2.74
<b>MWDOC Totals</b>	<b>422</b>	<b>1,350</b>	<b>4,583</b>	<b>896</b>	<b>195</b>	<b>125</b>	<b>100</b>	<b>121</b>	<b>61</b>	<b>0</b>	<b>7,853</b>	<b>91.43</b>

Anaheim	12	27	235	18	2	8	7	11	1	0	321	3.64
Fullerton	16	13	171	19	0	2	5	4	0	0	230	2.67
Santa Ana	8	46	154	31	2	0	7	6	0	0	254	2.98
<b>Non-MWDOC Totals</b>	<b>36</b>	<b>86</b>	<b>560</b>	<b>68</b>	<b>4</b>	<b>10</b>	<b>19</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>805</b>	<b>9.29</b>

<b>Orange County Totals</b>	<b>458</b>	<b>1,436</b>	<b>5,143</b>	<b>964</b>	<b>199</b>	<b>135</b>	<b>119</b>	<b>142</b>	<b>62</b>	<b>0</b>	<b>8,658</b>	<b>100.72</b>
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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	6,338.14
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	1,437.58
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	181.92
Moulton Niguel WD	1	1	37	1	1	1	0	0	42	670.81
Newport Beach	0	0	1	0	0	0	0	0	1	767.97
Orange	0	0	0	0	0	0	0	0	0	0.00
San Juan Capistrano	0	0	0	4	2	0	1	0	7	192.57
San Clemente	1	16	6	0	0	0	0	0	23	4,567.81
Santa Margarita WD	0	17	14	4	0	0	0	0	35	2,578.38
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	1,125.83
Trabuco Canyon WD	0	0	1	0	0	0	0	0	1	1,415.14
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
<b>MWDOC Totals</b>	<b>12</b>	<b>55</b>	<b>71</b>	<b>13</b>	<b>4</b>	<b>8</b>	<b>14</b>	<b>4</b>	<b>181</b>	<b>19,276.14</b>

Anaheim	0	0	0	0	1	0	0	0		187.89
Fullerton	0	0	0	0	0	0	0	0		0.00
Santa Ana	0	0	0	0	0	0	0	0		0.00
<b>Non-MWDOC Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>187.89</b>

<b>Orange County Totals</b>	<b>12</b>	<b>55</b>	<b>71</b>	<b>13</b>	<b>5</b>	<b>8</b>	<b>14</b>	<b>4</b>	<b>181</b>	<b>19,464.03</b>
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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](http://www.socwa.com).



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

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

June 2, 2022  
8:30 a.m.

**IN PERSON MEETING LOCATION:**  
Residence Inn Dana Point San Juan Capistrano  
33711 Camino Capistrano  
San Juan Capistrano, CA 92675

IN ACCORDANCE WITH AB361, MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE AND MAY JOIN THE MEETING VIA ONLINE AND BY TELECONFERENCE PHONE NUMBER. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT [WWW.SOCWA.COM](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION.

PUBLIC COMMENTS WILL BE TAKEN DURING THE MEETING FOR ORAL COMMENTS. COMMENTS MAY ALSO BE SUBMITTED PRIOR TO THE MEETING VIA EMAIL TO ASSISTANT SECRETARY DANITA HIRSH AT [DHIRSH@SOCWA.COM](mailto:DHIRSH@SOCWA.COM).

IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.

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

***FOR PUBLIC MEMBER VIRTUAL PARTICIPATION:***

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

Meeting ID: 838 0249 0606  
Passcode: 142935

Dial by your location:  
+1 669 900 6833 US (San Jose)      +1 253 215 8782 US (Tacoma)  
+1 346 248 7799 US (Houston)      +1 312 626 6799 US (Chicago)  
Find your local number: <https://socwa.zoom.us/j/83802490606>



South Orange County Wastewater Authority  
Board of Directors Meeting  
June 2, 2022, Agenda

1. PLEDGE OF ALLEGIANCE

2. 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

3. SOCWA MEETINGS – REGULAR BOARD, COMMITTEE AND SPECIAL MEETING OPTIONS, INCLUDING IN PERSON, VIRTUAL OR BOTH FOR THE PURPOSE OF CONDUCTING THE BUSINESS OF THE AUTHORITY

ACTION      Board Discussion and Direction to Staff (see General Manager Report, Item 8.F. for discussion of options for meeting formats)

4. AB361 – ALLOWING FOR VIRTUAL MEETINGS – Findings and Approval to continue Virtual meetings.....1

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

- A. The Board hereby FINDS AND DECLARES that it has reconsidered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020 relating to the Covid-19 pandemic;
- B. Based on the information provided in this staff report and pursuant to the information and discussion presented in the June 2, 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;
- C. The Board hereby makes these findings and approves for the upcoming 30-day period, June 2, 2022 to July 2, 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.
- D. Staff is hereby directed to notice the upcoming board and committee meetings as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at the next occurring meeting(s) so that, at that point in time, a determination can be made regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees. The Board of Directors hereby delegates authority to the Standing Committees of SOCWA to make findings pursuant to Government Code Section 54953(e) at a duly noticed public meeting in order to remain in compliance with AB 361.

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5. <u>BOARD OF DIRECTORS OFFICES –Nominating of Board Chair &amp; Vice Chair</u> .....	20
<p>ACTION      Chair/Board discussion and direction re: Nominating Committee, selection of Board Offices.</p>	
6. <u>CONSENT CALENDAR</u>	
A. Minutes of Board of Directors .....	21
<p>1. Board of Directors Regular Meeting of April 7, 2022</p> <p>2. Board of Directors Closed Session Meeting of April 12, 2022</p>	
<p>ACTION      The Board will be requested to approve subject Minutes.</p>	
B. Minutes of Executive Committee .....	28
<p>• Executive Committee Meeting of April 21, 2022</p>	
<p>ACTION      The Executive Committee will be requested to approve subject Minutes as submitted, and the Board of Directors will be requested to receive and file subject Minutes.</p>	
C. Minutes of Finance Committee .....	29
<p>1. Finance Committee Meeting of March 15, 2022</p> <p>2. Finance Committee Meeting of March 29, 2022</p>	
<p>ACTION      The Board of Directors will be requested to receive and file subject Minutes.</p>	
D. Minutes of Engineering Committee .....	34
<p>1. Engineering Committee Meeting of February 10, 2022</p> <p>2. Engineering Committee Meeting of March 10, 2022</p>	
<p>ACTION      The Board of Directors will be requested to receive and file subject Minutes.</p>	
E. Financial Reports for the Month of March 2022 .....	51
<p>The reports included are as follows:</p>	
<p>1. Summary of Disbursements for March 2022 (Exhibit A)</p>	
<p>2. Schedule of Funds Available for Reinvestment (Exhibit B)</p>	
<p>➤ Local Agency Investment Fund (LAIF)</p>	
<p>3. Schedule of Cash and Investments (Exhibit C)</p>	
<p>4. Capital Schedule (Exhibit D)</p>	
<p>➤ Capital Projects – Graph (Exhibit D-1)</p>	
<p>5. Budget vs. Actual Expenses:</p>	
<p>➤ Operations and Environmental Summary (Exhibit E-1)</p>	
<p>➤ Operations and Environmental by PC (E-1.2)</p>	
<p>➤ Residual Engineering, after transfer to Capital (Exhibit E-2)</p>	
<p>➤ Administration (Exhibit E-3)</p>	
<p>➤ Information Technology (IT) (Exhibit E-4)</p>	
<p>6. Q3 Fringe Pool and Fringe Rate Forecast (Exhibit E-5) (Updated Fringe Rate)</p>	

South Orange County Wastewater Authority  
Board of Directors Meeting  
June 2, 2022, Agenda

PAGE NO

ACTION        The Finance Committee recommends that the Board of Directors ratify the March 2022 disbursements for the period from March 1, 2022, through March 31, 2022, totaling \$3,237,151, and to receive and file the March 2022 Financial Reports as submitted.

F. Financial Reports for the Month of April 2022..... 70

The reports included are as follows:

1. Summary of Disbursements for April 2022 (Exhibit A)
2. Schedule of Funds Available for Reinvestment (Exhibit B)
  - Local Agency Investment Fund (LAIF)
3. Schedule of Cash and Investments (Exhibit C)
4. Capital Schedule (Exhibit D)
  - Capital Projects – Graph (Exhibit D-1)
5. Budget vs. Actual Expenses:
  - Operations and Environmental Summary (Exhibit E-1)
  - Operations and Environmental by PC (E-1.2)
  - Residual Engineering, after transfer to Capital (Exhibit E-2)
  - Administration (Exhibit E-3)
  - Information Technology (IT) (Exhibit E-4)

ACTION        The Finance Committee recommends that the Board of Directors ratify the April 2022 disbursements for the period from April 1, 2022, through April 30, 2022, totaling \$2,687,927, and to receive and file the April 2022 Financial Reports as submitted.

G. Q3 FY 2021-22 Cash Roll Forward as of March 31, 2022..... 88

ACTION        The Finance Committee recommends that the Board of Directors receive and file the Q3 Fiscal Year 2021-22 Cash Roll Forward as submitted.

H. SOCWA 457b Plan Investment Policy Update..... 103

ACTION        The Finance Committee recommends that the Board of Directors approve the SOCWA Employee Committee moving ahead to sign a revised Investment Policy Statement.

I. Operations Reports (**March and April**) ..... 112

ACTION        The Board will be requested to receive and file the March 2022 (Agenda Item 6I1) and the April 2022 (Agenda Item 6I2) Operations Reports.

J. Capital Improvement Program Status Report (**May and June**)..... 198

ACTION        Information Item

South Orange County Wastewater Authority  
Board of Directors Meeting  
June 2, 2022, Agenda

PAGE NO

- K. Capital Improvement Construction Projects Progress and Change Order  
Report **(April)** [Project Committees 2, 15, and 17].....207
- ACTION      The Engineering Committee recommends that the PC 15 Board  
approve JR Filanc Change Order 24 for a time extension of 51 days  
for the Coastal Treatment Plant Export Sludge Force Main  
Replacement project at no additional cost.
- L. Capital Improvement Construction Projects Progress and Change Order  
Report **(May and June)** [Project Committees 2, 15, and 17] .....222
- ACTION      Two Information Items, receive and file.
- M. Hazen & Sawyer Design Services Contract for JBL Electrical System Study  
and Design [Project Committee 2] .....237
- ACTION      The Engineering Committee recommends that the PC 2 Board  
approve Amendment No.2 to Hazen and Sawyer Services Contract  
in the amount of \$19,980 for a total revised contract amount of  
\$243,916 for the design services for the J.B. Latham Electrical  
System Study and Design Project.
- N. Regional Treatment Plant Consequence of Failure Analysis, Dudek engineering in  
the amount not to exceed \$58,970.00 [Project Committee 17].....241
- ACTION      The Engineering Committee recommends that the PC 17 Board:
- Authorize the General Manager to execute a contract with Dudek  
Engineering for the Regional Treatment Plant Consequence of  
Failure Analysis (47224C-000) for a fee not to exceed \$58,970.00.
- O. National Energy Solutions SGIP Grant Administration Contract for \$16,800.00  
[Project Committees 2 and 17] .....243
- ACTION      Staff recommends that the Board of Directors authorize the General  
Manager to acquire the services of National Energy Solutions  
(NES) for SGIP grant data reporting and administration totaling  
\$16,800. This includes \$8,400 for JBL PC 2 (solids) and \$8,400 for  
RTP PC 17 (solids).
- P. CSRMA Risk Control Survey 2021 .....245
- ACTION      Information Item, Receive and File

South Orange County Wastewater Authority  
Board of Directors Meeting  
June 2, 2022, Agenda

PAGE NO

- Q. RESOLUTION NO. 2022-02: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Employee Salary Range Summary And Employee Job Classification Salary Schedule to the July 1, 2020 to June 30, 2023 Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association .....254

ACTION      Staff recommends that the Board of Directors approve Resolution No. 2022-02, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Employee Salary Range Summary and Employee Job Classification Salary Schedule to the July 1, 2020 to June 30, 2023 Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association.

- R. RESOLUTION NO. 2022-03: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary And Employee Job Classification Salary Schedule to the SOCWA Employee Manual.....258

ACTION      Staff recommends that the Board of Directors approve Resolution No. 2022-03, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary And Employee Job Classification Salary Schedule to the SOCWA Employee Manual.

- S. Investment Policy for Public Funds Annual Review .....263

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

- T. Pacific West Patrol Contract Extension of Security Services  
[Project Committees 2 and 17 .....272

ACTION      Staff recommends PC 2 and 17 Board of Directors authorize the General Manager to amend the existing services contract with Pacific West Patrol to add an additional year of service at a cost not to exceed \$18,000.

7. ENGINEERING MATTERS

- A. J.B. Latham Treatment Plant Package B Contingency Increase  
[Project Committee 2] .....274

South Orange County Wastewater Authority  
Board of Directors Meeting  
June 2, 2022, Agenda

PAGE NO

ACTION        Staff recommends that the PC-2 Board of Directors approve the following changes in contingencies for Change Orders associated with the Package B Olsson Construction Contract totaling \$690,000, as follows: (i) Increase liquids Area (3220-000) contingency by \$415,000 to a total of \$1,331,800, (ii) Increase Common Area (3231-000) contingency by \$25,000 to a total of \$121,800, (iii) Increase Solids Area contingency by \$250,000 to a total of \$2,107,400.

- B. An amendment to the Kleinfelder Engineering Contract for bidding and construction support services for the JBL Centrate Piping Reconstruction Project [Project Committee 2] .....281

ACTION        Staff recommends that the PC 2 Board of Directors approve the bidding and construction services contract amendment to Kleinfelder in an amount not to exceed \$71,374 for the J.B. Latham Treatment Plant Centrate Piping Reconstruction Project.

8. GENERAL MANAGER'S REPORTS

- A. Contract Amendments to Synagro for Biosolids Management .....289

ACTION        Staff recommends that the Board of Directors authorize the General Manager to execute contract amendment[s] with Synagro for Biosolids management consistent with the price quote provided in the staff report.

- B. Extension of Polymer Contract with Polydyne, Inc. [Project Committees 2 and 17] .....298

ACTION        Staff recommends that the PC 2 and 17 Board of Directors authorize the General Manager to negotiate a one-year contract extension with Polydyne Inc. for the polymer products currently under contract to be supplied by this vendor.

- C. SOCWA 457b Plan Loan Program Update .....300

ACTION        The Finance Committee recommends that the Board of Directors:

1. Approve the SOCWA 457b Plan Loan Program to allow for an offset of payments otherwise due to retirees to be allocated to retiree loan repayments following separation from employment with the caveat that should the repayment source become unavailable the loan balance would then become a taxable distribution event. [Employee Authorization Form attached]; and
2. Approve revision to the Nationwide 457b Plan Administration Agreement to allow for SOCWA to submit the offset monies for the repayment of loan amounts via Nationwide's Fast Pay system. [Document attached]

South Orange County Wastewater Authority  
Board of Directors Meeting  
June 2, 2022, Agenda

PAGE NO

D. Plume Tracking Technology Review [Project Committees 5 and 24] .....304

ACTION        Staff recommends that the PC 5 and PC 24 Board of Directors authorize the General Manager to enter into a contract with Michael Baker International for Plume Tracking Technology Review in an amount not to exceed \$50,000 to be cost shared as set forth in Table 1 and Table 2 of the staff report.

E. General Counsel's Updates.....

F. General Manager's Reports.....313

ACTION        Information Items, Board Discussion and Direction

G. Upcoming Meetings Schedule: .....

- June 9, 2022 – Engineering Committee Regular Meeting
- June 21, 2022 – Finance Committee Special Meeting – *To Be Cancelled*
- July 7, 2022 – Board of Directors Regular Meeting – *To Be Cancelled*
- July 14, 2022 – Engineering Committee Regular Meeting – *To Be Cancelled*
- July 19, 2022 – Finance Committee Special Meeting – *To Be Cancelled*
- August 4, 2022 – Board of Directors Regular Meeting

ACTION        Information Item

9. OTHER MATTERS

Determine the need to take action on the following item(s) introduced by the General Manager which arose subsequent to the agenda being posted. [Adoption of this action requires a two-thirds vote of the Board, or if less than two-thirds are present a unanimous vote.]

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING  
AUGUST 4, 2022

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

**June 9, 2022  
8:30 a.m.**

**Join Zoom Meeting by clicking on the link below:**

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

Meeting ID: 835 8698 7937  
Passcode: 016585

One tap mobile  
+16699006833,,83586987937#,,,,\*016585# US (San Jose)  
+13462487799,,83586987937#,,,,\*016585# US (Houston)

Dial by your location  
+1 669 900 6833 US (San Jose)  
+1 253 215 8782 US (Tacoma)  
+1 346 248 7799 US (Houston)  
+1 312 626 6799 US (Chicago)  
+1 929 205 6099 US (New York)  
+1 301 715 8592 US (Washington DC)

Find your local number: <https://socwa.zoom.us/j/83586987937>

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was called to be held by Teleconference on **June 9, 2022**. 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](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.*

*AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ENGINEERING COMMITTEE IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE ENGINEERING COMMITTEE ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY*



ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"), 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. Operations Report**

**Recommended Action:** Information Items.

#### **4. Capital Improvement Construction Projects Progress and Change Order Report (June) [Project Committees 2, 15, and 17]**

**Recommended Action:**

1. Staff recommends that the Engineering Committee approve the following Olsson Construction Change Orders:
  - Change Order 47 for \$45,682.30, including 0 additional day(s)
  - Change Order 48 for \$111,101.16, including 0 additional day(s)
  - Change Order 49 for \$71,864.17, including 0 additional day(s)

For a total of \$228,647.63, with no additional days, and a revised contract value of \$18,959,642.14 for the J.B. Latham Package B Project; and

2. Staff recommends that the Engineering Committee recommend that the PC 2 Board of Directors approve Change Order 1 with Hallsten Corporation for \$16,715.25 with no additional days, for a revised contract value of \$268,137.25 for the J.B. Latham Package B Project.

#### **5. Continuation of Meetings as Authorized Under AB361**

**Recommended Action:**

1. Verbal Report.
2. Consider in-person, virtual, or hybrid meeting options.
3. Direction to staff.

**Adjournment**

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

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

Dated this 2nd day of June 2022.



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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  
June 1, 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>

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

## AGENDA

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### 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. 2127**

### PRESENTATION/DISCUSSION ITEMS

#### **1. PRESENTATION BY MET STAFF REGARDING THE BAY/DELTA POLICY PRINCIPLES**

*Recommendation: Review and discuss the information presented.*

**2. 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.*

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

*Recommendation: Receive input and discuss the information presented.*

**ACTION ITEMS**

**4. 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.*

**5. H.R. 7612 (LEVIN) – DESALINATION RESEARCH ADVANCEMENT ACT**

*Recommendation: Adopt a Support position on H.R. 7612 (Levin, D-CA and Mace, R-SC) and send a letter to the authors' office and Orange County delegation.*

**6. S. 4231 (FEINSTEIN) – SUPPORT TO REHYDRATE THE ENVIRONMENT, AGRICULTURE, AND MUNICIPALITIES (STREAM) ACT**

*Recommendation: Adopt a Support position on S. 4231 (Feinstein) and send a letter to the author's office and Orange County delegation*

**INFORMATION ITEMS**

**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. Summaries regarding April and May MET Board Meetings
- b. MET 4-Month Outlook on Upcoming Issues
- c. 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

**PLANNING & OPERATIONS COMMITTEE**

June 6, 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

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

**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>.

**ACTION ITEM**

1. EXTENSION OF CONSULTING CONTRACT WITH ACKERMAN CONSULTING

**DISCUSSION ITEMS**

2. STATUS UPDATE REGARDING THE OC RELIABILITY STUDY

**3. PRESENTATION REGARDING THE ECONOMIC BENEFITS STUDY**

**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.)

4. UPDATE REGARDING MWDOC MEMBER AGENCY FACILITATED DISCUSSIONS
5. 2022 OC WATER SUMMIT UPDATE
6. STATUS REPORTS
  - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
  - b. WEROC
  - c. Water Use Efficiency Projects
  - d. Public and Government Affairs
7. 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.

MEETING OF THE BOARD OF DIRECTORS OF THE  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
Jointly with the  
**ADMINISTRATION & FINANCE COMMITTEE**  
June 8, 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

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

**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>.

**PROPOSED BOARD CONSENT CALENDAR ITEMS**

1. TREASURER'S REPORT
  - a. Revenue/Cash Receipt Report – May 2022
  - b. Disbursement Approval Report for the month of June 2022



- c. Disbursement Ratification Report for the month of May 2022
  - d. GM Approved Disbursement Report for the month of May 2022
  - e. Consolidated Summary of Cash and Investment – April 2022
  - f. OPEB and Pension Trust Fund monthly statement
2. FINANCIAL REPORT
- a. Combined Financial Statements and Budget Comparative for the Period Ending April 30, 2022

### **ACTION ITEMS**

- 3. APPROVE CONTRACT FOR CONSULTING SERVICES ON METROPOLITAN STRATEGIC ISSUES AND PRIORITIES
- 4. PARTICIPATION IN SOLVE THE WATER CRISIS COALITION

### **DISCUSSION ITEMS**

- 5. RESERVE FUND POLICY REVIEW PROCESS

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

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

### **OTHER ITEMS**

- 8. 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.

REGULAR MEETING  
OF THE BOARD OF DIRECTORS  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
18700 Ward Street, Fountain Valley, California  
June 15, 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#

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## 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>.

### EMPLOYEE SERVICE AWARDS

**NEXT RESOLUTION NO. 2127**

**CONSENT CALENDAR (Items 1 to 8)**

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

**1. MINUTES**

- a. May 4, 2022 Adjourned Workshop Board Meeting
- b. May 18, 2022 Board Meeting

*Recommendation: Approve as presented.*

**2. COMMITTEE MEETING REPORTS**

- a. Planning & Operations Committee Meeting: May 2, 2022
- b. Administration & Finance Committee Meeting: May 11, 2022
- c. Executive Committee Meeting: May 19, 2022

*Recommendation: Receive and file as presented.*

**3. TREASURER'S REPORTS**

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

*Recommendation: Ratify and approve as presented.*

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of April 30, 2022
- 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 April 30, 2022

*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.*

**6. EXTENSION OF CONSULTING CONTRACT WITH ACKERMAN CONSULTING**

*Recommendation: Authorize the extension of the contract for one-year with Ackerman Consulting for specialized services.*

**7. APPROVE CONTRACT FOR CONSULTING SERVICES ON METROPOLITAN STRATEGIC ISSUES AND PRIORITIES**

*Recommendation: Approve a contract with Paul Jones of Dopudja & Wells Consulting, for consulting services on Metropolitan Strategic issues and priorities.*

**8. PARTICIPATION IN SOLVE THE WATER CRISIS COALITION**

*Recommendation: Authorize the General Manager to have MWDOC become a participating member in the Solve the Water Crisis Coalition.*

**End Consent Calendar**

**ACTION CALENDAR**

**9-1 HOMELAND SECURITY APPROPRIATIONS SUBCOMMITTEE - WEROC EMERGENCY OPERATIONS CENTER – APPROVAL OF 25% LOCAL NON-FEDERAL MATCH FUNDING**

*Recommendation: Approve MWDOC underwriting the remaining 25% local cost share requirement for non-federal funds (Option 1) to pay for the WEROC Emergency Operations Center.*

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

**10. GENERAL MANAGER'S REPORT, JUNE 2022 (ORAL AND WRITTEN)**

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

**11. MWDOC GENERAL INFORMATION ITEMS**

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

*Recommendation: Receive and file as presented.*

**CLOSED SESSION ITEMS****12. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

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

**13. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

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

**14. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

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

**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.



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## **GENERAL MANAGER REPORT OF STAFF ACTIVITIES**

**June 2022**

## **MWDOC AGENCIES MANAGERS MEETING**

MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on Thursday, May 19, 2022.

**In attendance were:** R. Correa – Brea, D. Youngblood – EOCWD, M. Dunbar - Emerald Bay SD, M. Sprague & H. Lee – Fountain Valley, C. Pasillas – Garden Grove, K. Vecchiarelli – Golden State WC, A. Papa – Huntington Beach, P. Cook & P. Weghorst – Irvine Ranch WD, J. Chavira – La Palma, J. Cruz, K. Young & M. Collings – Moulton Niguel WD, S. Catron & M. Vukojevic – Newport Beach, M. Markus & J. Kennedy – OCWD, S. Tran – Orange, D. Ferons – Santa Margarita WD, I. Lee – Seal Beach, M. Serna – South Coast WD, F. Paludi & M. Perea– Trabuco Canyon WD, M. Grisso – Tustin, R. Weston – Yorba Linda WD, D. Rodrigo – CDM Smith, W. Walrod – OCBC, M. Boarnet – USC, O. Browne & D. Sunding – The Brattle Group.

**Staff in attendance were:** H. De La Torre, A. Heide, C. Lingad, C. Busslinger, V. Osborn, M. Baum-Haley, D. Micalizzi, K. Hostert, H. Baez, and H. Chumpitazi

### **General Meeting Information/Discussion Items:**

- MWDOC Draft Agendas
- MWDOC Reserves Process Update
- O.C. Reliability Study Update Status
- Economic Benefits Study
- WEROC Updates
- Metropolitan Updates
  - Shutdowns Update
  - Messaging

### **Announcements:**

- SWRCB Emergency Regulations Resolution
- Annual Water Supply and Demand Assessments

The next meeting will tentatively be held on June 16, 2022.



## **ENGINEERING & PLANNING**

### **MEETINGS**

- Charles Busslinger and Chris Lingad held meetings with IRWD and MET in April and May 2022 to discuss the startup plan of the Baker Water Treatment Plant following IRWD's shutdown of the plant due to maintenance.
- Charles Busslinger and Chris Lingad held meetings with CDM Smith in May 2022 to discuss the Orange County Water Reliability Study update.
- Chris Lingad attended a hydraulic model kick-off meeting held by SCWD and Black & Veatch on April 21, 2022. SCWD is the first agency to utilize the hydraulic model, and they will be looking at modeling different planning scenarios on the JRWSS and Doheny Desalination Project.
- Charles Busslinger and Chris Lingad attended a meeting with Mesa Water and MET on May 4, 2022, to discuss the upcoming Orange County Feeder shutdown logistics.
- Charles Busslinger and Chris Lingad attended a meeting with MET staff on May 5, 2022, to discuss the final steps for completing the OC-70 meter analysis.
- Charles Busslinger, Joe Berg, and Chris Lingad attended the kick-off meeting with SMWD and consultants WSC and M. Cubed on May 12, 2022, to discuss the Water Use Efficiency Economic Analysis schedule and work project.
- Charles Busslinger and Chris Lingad held a meeting with Huntington Beach staff on May 17, 2022, to discuss planned maintenance and upgrades to the OC-35 service connection.
- Charles Busslinger met with Moulton Niguel WD and Orange County WD on May 16, 2022, to discuss the scope of work for the East OC Feeder #2 Emergency Pilot Project.
- Charles Busslinger attended an Aliso Creek Watershed Collaboration meeting on May 25, 2022, to review the findings of a revised plan for restoration of the lower portion Aliso Creek watershed.
- Charles Busslinger attended a meeting on the progress of the design of the Emergency Operations Center on May 17, 2022. The design is estimated to be completed by September 2022.
- Charles Busslinger attended a meeting on May 31, 2022, of the South OC Watershed Management Area Integrated Regional Watershed Management Proposition 1 Project Review Committee. The committee will score projects for the remaining IRWM funding available to Orange County under Prop 1.

## **EAST ORANGE COUNTY FEEDER NO. 2 (EOCF#2) EMERGENCY PILOT PROGRAM**

Staff and Means Consulting are working with Metropolitan (MET) on defining and phasing a scope of work for emergency pump-in of local water supplies into EOCF #2 under MET Admin Code 4519: Emergency Deliveries of Member Agency Water Supplies in Metropolitan's System. The intended outcome of this effort is the establishment of an emergency pump-in program for EOCF#2 as provided by MET Admin Code 4519 and a set of guidelines for MET member agencies to use to establish their own emergency pump-in programs. The program is intended to enhance water supply reliability in the event of a prolonged emergency. Hazen & Sawyer is also providing technical assistance for this effort. This is a multi-year effort.

The staff has also been working with MET staff on a potential cost-share for the project.

Staff met with the Orange County EOCF #2 Joint Power Agreement members and capacity right holders to discuss the pilot project on March 31, 2022. Background information and key points/questions were presented to the group. A follow-up meeting will be scheduled in late June once JPA members have had a chance to review the information, discuss clarifications of key points, and determine how best to move forward with the Pilot Project.

Staff met with Moulton Niguel WD and Orange County WD on May 16, 2022, to discuss the scope of work developed with MET. MNWD is currently reviewing the scope to see how their design efforts with the City of Santa Ana will fit into the scope.

## **ECONOMIC BENEFIT STUDIES AND MODELING WORK TO QUANTIFY THE BENEFITS OF LOCAL PROJECTS IN THE CONTEXT OF MET'S 2020 INTEGRATED RESOURCES PLAN (IRP)**

Dr. Sunding, Dr. Walrod, Dr. Boarnet, and Dr. Browne presented the preliminary findings to the MWDOC Member Agencies Managers Meeting on May 19, 2022, where the agencies provided input and questions.

## **RELIABILITY STUDY UPDATE**

Staff is working with CDM Smith on an update to the reliability study. The update will look at a total of 5 scenarios that include recent information, including; demand forecasts from the 2020 Urban Water Management Plans, information from MET's 2020 IRP process, increased uncertainty with the Delta Conveyance Project, improved climate change impact information, and updated project cost information where available.

A presentation on the scope and status of the Reliability Study update was given at the May 2022 MWDOC Member Agencies Managers meeting. Several of the agencies provided their input which will be incorporated into the study.



A presentation and write-up of the status of the study is included in this month's P&O packet.

**DOHENY OCEAN DESALINATION PROJECT**

South Coast Water District (SCWD) continues to develop the Doheny Ocean Desalination Project. SCWD is currently working through multiple due diligence items to move the project forward, including; permitting, plant sizing and siting, financing, and project delivery method. SCWD anticipates having all necessary permits by the end of Summer 2022 and estimates an online date of 2026 if the SCWD Board approves.

SCWD held a Special Board Meeting on September 2, 2021, to discuss the financial implications of the project. Clean Energy Capital (CEC) presented a water cost analysis for the project where CEC presented cost projections for a 2 MGD project with an estimated 1<sup>st</sup>-year water cost of \$1,928/AF in 2021\$ and a 5 MGD project with an estimated 1<sup>st</sup>-year water cost of \$1,479/AF in 2021\$ (later updated to \$1,807/AF in 2027\$ vs. \$1,545/AF MET Rate in 2027\$).

On March 9, 2022, the San Diego Regional Water Quality Control Board approved the Tentative Orders related to the NPDES permits for discharge associated with the Doheny Desalination Project operation. This is an important step forward toward the realization of this project.

On April 14, 2022, Dudek presented information to the SCWD Board on a conceptual study of Ocean Water Augmentation for the Doheny Desalination Project. The study considered utilizing Direct Potable Reuse (DPR) source water by two alternative methods from the JB Latham Wastewater Treatment Plant to augment raw ocean water supplies to the proposed Doheny Desalination Project. The proposed conceptual raw water augmentation could potentially become a future phase of the ocean desalination project and was identified by the name: Doheny Ocean Pure Water Augmentation (DOPWA). This concept was based on the proposition that each other's advantages could offset the challenges of ocean desalination and DPR. The conceptual project proposes 5 MGD of product water from each source (recycled and ocean source water) to produce a combined total of 10 MGD of potable water. The report indicated that the gross cost of water in 2021 dollars for the DOPWA concept is similar to the cost of desalinated water from the Doheny Desalination Project, as shown below.

Gross Water Cost (without MET LRP incentive)	
• 5 MGD Doheny Ocean Desalination Project	\$2,081/AF
• DOPWA Raw Water Augmentation	\$2,227/AF
• DOPWA Treated Water Augmentation	\$1,954/AF

Further study is also needed to determine the impacts on ocean desalination brine mixing in the San Juan Creek Ocean Outfall from reduced wastewater discharges.

SCWD anticipates Coastal Commission consideration of a Coastal Development Permit in Fall 2022, depending on the CCC calendar.

## **POSEIDON RESOURCES HUNTINGTON BEACH OCEAN DESALINATION PROJECT**

On May 12, 2022, the California Coastal Commission (CCC) unanimously voted to reject Poseidon's Coastal Permit application to construct and operate a seawater desalination facility in Huntington Beach. Some of the CCC's key reasons for rejecting the permit included the concern for marine life mortality due to the proposed use of open ocean intakes, the inability to appropriately mitigate those impacts, and the inconsistency of continuing to build along the coast given sea-level rise issues.

On May 18, 2022, Scott Maloni, Vice President of Poseidon Water, made a public comment at the OCWD Board meeting and thanked OCWD for their support. He stated that the CCC's decision brings an end to the Huntington Beach desalination project, assuming there is no legal challenge to the determination by the CCC. Mr. Maloni stated he does not believe Poseidon intends to file a challenge.

## **SAN JUAN BASIN AUTHORITY**

The San Juan Basin Authority (SJBA) has been conducting a hydrogeology study of the San Juan Basin to understand better how groundwater flows through the lower portions of San Juan Basin under various conditions. How groundwater flows in the vicinity of Stonehill Drive is important due to potential impacts on pumping within the basin and may potentially influence pumping for the Doheny Desalination project.

A technical review panel consisting of three hydrogeologists teams has presented their preliminary findings at a special meeting on May 12, 2022. The presentation is available from the SJBA website: <https://www.sjbauthority.com/meetings/meetings-2022.html> (2022-05-12 SJBA Board Meeting TRP).

The preliminary findings are:

1. The Basin behaves like two separate areas or 'buckets' that are connected by a bedrock ledge area in the vicinity of Stonehill Drive. The bedrock ledge operates similar to a spillway, which, although not a boundary, does somewhat restrict flows under normal groundwater conditions.
2. Groundwater flows through the bedrock ledge area (spillway) are greatly restricted between the upper and lower portions of the basin when groundwater levels are low. This occurs during dry or excessive pumping periods.
3. Pumping on either side of the spillway (north or south) influences portions of the basin on the other side of the spillway. Without recharge and continued pumping, groundwater levels at the divide could precipitously decline.



4. Saline intrusion in the basin result from seasonal or longer-term declines in freshwater recharge coupled with pumping. Pumping to the north contributes by restricting freshwater flow across the spillway. Pumping south of the spillway exacerbates saline intrusion more than pumping to the north.

The Technical Review Panel recommends additional geologic and geophysical assessments of the spillway area. The area also recommends additional monitoring of groundwater levels and flow across the spillway.

## **SHUTDOWNS**

### **Diemer Water Treatment Plant**

MET is planning to repair a chlorine diffuser pipe at the Diemer WTP, requiring a seven-day full-plant shutdown. On February 3, 2022, a meeting was held to inform MET of the agencies' local supply conditions for this calendar year. MET reported that the diffuser pipe was not an imminent failure issue. Shutdown dates for repairing the Diemer chlorine diffuser pipe are being reevaluated by MET staff.

### **Orange County Feeder**

MET is planning to reline and replace valves in a section of the Orange County Feeder from Bristol Ave to Corona Del Mar – this is the last section of this 80-year-old pipeline to be lined.

MET has delayed the relining project and has proposed new shutdown dates of September 18, 2022, through June 16, 2023.

### **Orange County Feeder Extension**

MET plans to reline 300-linear feet of the OC Feeder extension affecting the City of Newport Beach, IRWD, and LBCWD. MWDOC and the City have held meetings with MET staff and MET's traffic consultant to review the Traffic Control Plan details.

MET has delayed the relining project by one year and has proposed new shutdown dates of June 18, 2023, through July 14, 2023.

### **Orange County Reservoir (OC Feeder)**

The decommissioning of the Orange County Reservoir has been rescheduled from March 20, 2023, through March 25, 2023. This work will affect the cities of Brea and La Habra.

### **Lake Mathews Facility Shutdown**

MET has canceled the Lake Mathews Facility shutdown, previously scheduled to begin on March 14, 2022, due to low State Water Project supplies. This shutdown will be rescheduled for the 2022-2023 shutdown season. During the shutdown, the following agencies will be affected: OCWD, YLWD, Serrano WD, IRWD, TCWD, ETWD, SMWD, MNWD, and the City of San Clemente.

### **Allen-McColloch Pipeline**

MET has completed 50% of the preliminary design of the AMP Prestressed Concrete Cylinder Pipe (PCCP) rehabilitation and is expected to complete the design by 2023. Preliminary design work currently underway includes identifying priority reaches, developing access locations, conducting geotechnical assessments, modeling a surge analysis, conducting real property assessments, identifying permitting requirements, and developing a feeder isolation plan. A draft project schedule will be developed at the completion of the preliminary design. Rehabilitation of individual reaches will be based on the ongoing condition assessments, priorities, and shutdown schedules.

MET plans to inspect additional PCCP sections of the AMP in FY 2023-24.

MWDOC staff continues to lead working group meetings with the impacted AMP agencies to discuss options to reduce the number of shutdowns needed for the AMP PCCP rehabilitation project while also helping to increase reliability toward future MET shutdowns. Two potential sites have been identified to construct a possible pump station to enhance the ability to accommodate longer shutdown durations for the rehabilitation project and provide long-term reliability benefits for future MET shutdowns.

MWDOC has formally proposed to MET staff a conceptual cost-share savings incentive approach following well-established public works contractor cost-share incentive programs that would allow for a sharing of realized cost savings. The staff looks forward to MET's response.

### **Upper Feeder**

MET sent a notification that an emergency repair to the Upper Feeder at the Santa Ana River is needed. Temporary repairs were made in April 2022 to an expansion joint installed in 2018 to keep the feeder in operation to continue to provide Colorado River water to the region. MET believes the repair will be sufficient until a shutdown can be scheduled to install a new expansion joint.



## **EMERGENCY PREPAREDNESS**

### **COVID-19 (CORONA VIRUS) COORDINATION**

- Overall, the Orange County healthcare system remains stable. As of 5/31, there were 10,847 new cases reported in the last two-week period, and the County is averaging about 21 new cases a day per every 100,000 residents. Still, it is hard to say exactly how accurate these numbers are unless people are seeing their physician or self-reporting with the at-home tests. The key statistic to track the medical system, on 5/31, hospitalizations were 140 people, and 18 required intensive care.
- With the current surge being seen with the Omnicron Stain, the main message is that we should expect to have people testing positive for COVID and needing to be out of the office for longer than the recovery period of a cold for the foreseeable future. With that in mind, our message with member agencies focuses on business continuity and dealing with the ongoing probability of being less than 100% staffed.
- California's State of Emergency for COVID-19 remains in place, and there is no update as to when the termination will occur.

### **MAY INCIDENTS/EVENTS (NON-COVID)**

\*\*The following event(s) in which WEROC provided information, coordination, and response to the EOC/CP.

- Coastal Fire 5/11/22

Vicki can provide an additional oral update to WEROC activities specific to the event as required/requested, including the post-fire recovery and planning, or give a presentation at a future committee meeting.

### **COORDINATION/PARTICIPATION WITH MEMBER AGENCIES AND OUTSIDE AGENCIES MEETINGS OUTSIDE OF PROGRAMS AREAS AND EMERGENCY RESPONSE**

- Vicki attended the California Emergency Services Association (CESA) Conference on May 2-5.
- On 5/4, Daniel attended the Orange County Intelligence Assessment Center (OCIAAC) Cyber Security Tabletop Exercise. Part of the scenario included impacts on water infrastructure. MWDOC Public Affairs and SMWD joined WEROC at the exercise
- On 5/10, Vicki attended the ISDOC Executive Committee Meeting and provided an Operational Area Update.
- On 5/13, Vicki attended the WACO meeting and provided a WEROC update.

- On 5/17, Vicki attended the County Board of Supervisor Special meetings as the representative for water and wastewater mutual aid regarding ratifying the proclamation for the Coastal Fire.
- On 5/18, Vicki attended the USACE Carbon Canyon Dam Tabletop Exercise. This event was held virtually and covered the USACE operations and specific notification and procedures in relation to the Carbon Canyon Dam.
- On 5/18, Vicki and Janine attended the planning meeting focusing on revising the Operational Area Disease Outbreak Annex. Vicki is providing recommendations as it relates to our water and wastewater agencies.
- On 5/18, Vicki attended the MWDOC Managers' meeting and provided a WEROC update.
- On 5/19, Vicki attended the Trabuco Canyon Water District Board Meeting and presented the WEROC program and future activities.
- On 5/24, Vicki attended the CalOES High-Frequency Communications Equipment Grant Program overview. On 5/31, WEROC received an award letter for \$58,396 as a sub-recipient of the grant to purchase and install the high-frequency radio equipment. This is another interoperable system WEROC will be able to communicate with the County and the State during emergencies.
- On 5/25, in partnership with Orange County Water District, we hosted a joint employee earthquake preparedness fair in the parking lot. The event was well-received by the employees and had various vendors providing disaster information and resources.
- On 5/25, Vicki attended the El Toro Emergency Drinking Water Supply Plan planning meeting. This project will be compassed into the regional water supply plan that the previous WEROC Director started but was not completely implemented.
- On 5/26, Janine conducted an AlertOC training with the member agencies.
- 5/27 was Daniel Harrison's last day with WEROC. He accepted a new position in Florida and relocated his family for a new chapter in their lives. Daniel was a great employee and will be deeply missed.

## **PLANNING AND PROGRAM EFFORTS**

### **AWIA**

- WEROC and MWDOC financial completed the reconciliation of the AWIA project. All agencies that did not spend their funding to 100% will receive a refund in accordance with the contract.

### **Cyber Security**

- WEROC continues to send out important information to the Cyber Security Distribution Group as received from DHS or the OCIAC.



## **WEROC Emergency Operations Center Project/Funding**

- WEROC Emergency Operations Center Funding continues to be pursued by WEROC Staff. This includes the submission of the project for Federal grants and appropriation opportunities.
- On 4/28, WEROC received the support letter from CalOES Director Mark Ghilarducci, a requirement to show edibility for the appropriations funding.
- On 5/17, Vicki and Charles attended Design Meeting with Brady to cover updated plans and information related to the phase 1 design.

## **WEROC EOC Update (6/8/22)**

The project has made it over the first hurdle as Senator Padilla's office submitted the Emergency Operations Center for the Water Emergency Response Organization of Orange County project to the Senate Appropriations Committee. The Senate Appropriations Committee will be submitting their earmarks this month.

With that being said, the Homeland Security Appropriations Subcommittee reached out to Senator's Padilla office to make sure this project meets the federal cost-share limit. The maximum federal cost-share for EOC projects is 75 percent. Meaning the remaining 25% is a local cost-share.

Our application mentions the following:

The total estimated cost for WEROC to build a new structure that addresses the shortcomings in the site facility assessment, ensuring that the EOC can continue to provide critical public services, is approximately \$3 million. This project can be successfully implemented with Federal Support funding of \$2 million.

An action item will be on the 6/15 board agenda regarding the commitment to underwrite the 25% local match funding required to approve this project. At the A&F committee meeting on 6/8, this immediate request was conveyed during the reserve discussion as it was not on the agenda due to the timing of the request from our federal partners. WEROC did notify the member agencies by email of this action on 6/8 due to the immediate actions required and not having an opportunity to brief them at the MWDOC Managers meeting, which would have been the normal process.

More information will be provided on the status of this project as it progresses.

## **Operational Area and Member Agency Plan Review**

Vicki has reviewed and provided written changes or feedback to the following:

- Orange County Operational Area – Disease Outbreak Annex
- County of Orange - Yorba Linda Dam ERP

## **MET ITEMS CRITICAL TO ORANGE COUNTY**

### **MET'S FINANCE AND RATE ISSUES**

#### **Current Update**

Water Transactions for March 2022 totaled 118.7 thousand acre-feet (TAF), which were 3.1 TAF higher than the budget of 115.6 TAF and translate to \$115.3 million in revenues for March 2022, which were \$8.9 million higher than the \$106.4 million budget.

Year-to-date water transactions through March 2022 were 1,231.1 TAF, which were 51.8 TAF higher than the budget of 1,179.3 TAF. Year-to-date water revenues through March 2022 were \$1,118.1 million, which were \$39.4 million higher than the budget of \$1,078.7 million. As of March 31, 2022, Metropolitan's investment portfolio balance was \$1.37 billion.

On May 24, the Metropolitan Board approved staff to work with a finance team to finalize Appendix A for distribution to potential investors as part of a preliminary offering statement. The first of four anticipated financings for calendar year 2022 is expected to set its bond rates on June 22, 2022 (pricing date); however, distribution of the preliminary offering statement to investors is expected to occur on or before June 13, 2022, when ratings are expected to be confirmed. This window of time between distribution of the preliminary offering statement and pricing date enables Metropolitan and its underwriting team to pre-market the bonds for broad investor participation to achieve best pricing execution that produces maximum debt service savings.

### **MET'S INTEGRATED RESOURCES PLAN UPDATE**

The 2020 IRP Regional Needs Assessment was adopted unanimously by the Board on April 12, 2022. As the first component of the 2020 IRP's development, the Regional Needs Assessment analyzed potential gaps between the expected supplies and the forecasted demands across four IRP scenarios. It presents key technical findings in five broad categories and examines the effectiveness of generalized portfolio categories. The Regional Needs Assessment will frame and guide the establishment of more specific targets to maintain water reliability through 2045 and inform the Board on resource investment decisions. Completion of this report concludes the 2020 IRP Regional Needs Assessment phase.

In the forthcoming One Water Implementation phase, portfolios of appropriate actions and investments will be advanced by identifying policies, programs, and projects which provide regional solutions to the IRP Regional Needs Assessment findings. A comprehensive adaptive management strategy will be developed in the One Water Implementation phase to guide these specific actions.

### **MET'S SUPPLY CONDITION UPDATE**

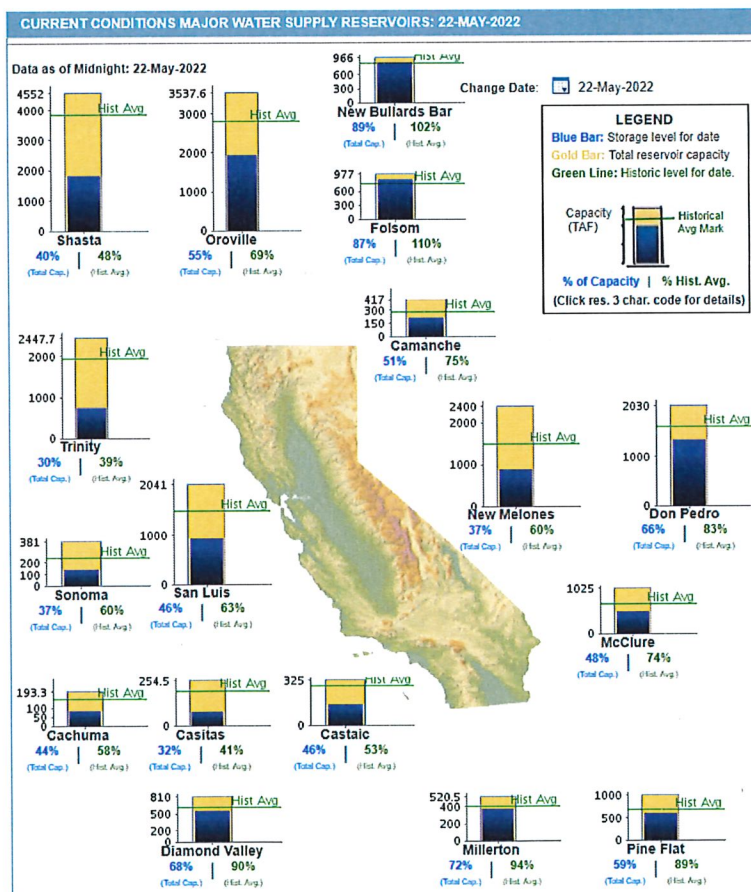
The 2021-22 Water Year (2021-22 WY) officially started on October 1, 2021. Thus far, Northern California accumulated precipitation (8-Station Index) reported **39.8 inches or**



**84% of normal** as of May 23rd. For 2021-22 WY, the Northern Sierra Snow Water Equivalent was at **7.7 inches on April 1st**, which is **27% of normal** for that day. Due to historical low precipitation/snowfall from January to March 2022, the Department of Water Resources (DWR) has decreased the State Water Project (SWP) **"Table A" allocation to 5%**. This allocation provides Metropolitan with approximately **95,575 AF in SWP deliveries this water year**. DWR's SWP Allocation considers several factors including existing storage in SWP, conservation reservoirs, SWP operational regulatory constraints, and the 2022 contractor demands.

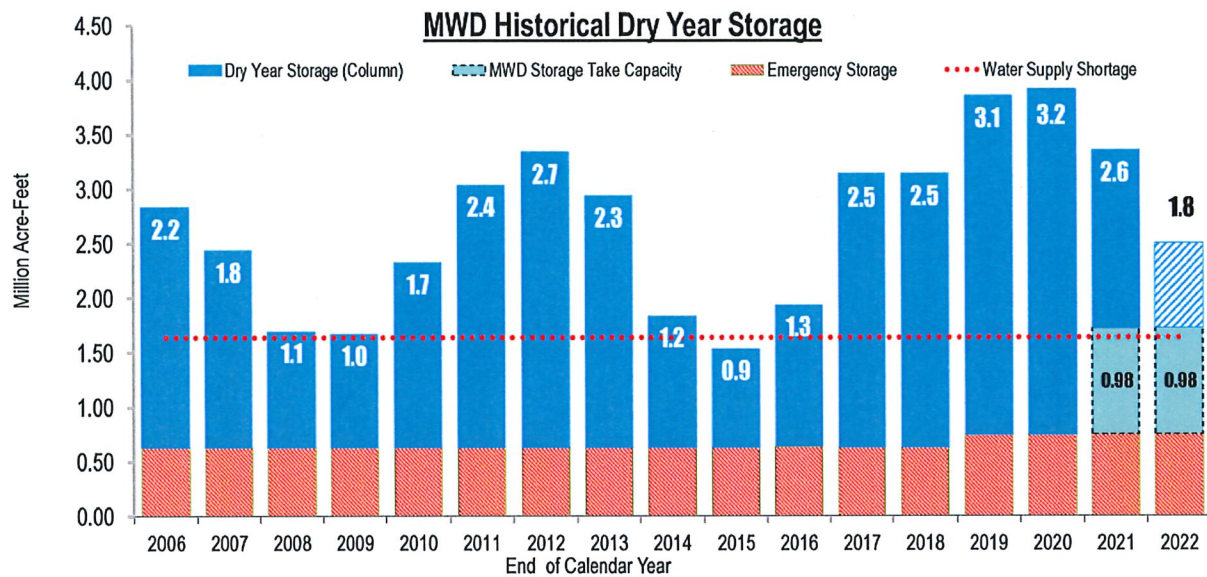
The Upper Colorado River Basin accumulated precipitation is reporting **19.6 inches or 92% of normal as of May 26th**. On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. The Upper Colorado River Basin Snow Water Equivalent was reporting **17.2 inches as of April 15th**, which is **86% of normal** for that day. Due to the below average precipitation/snowfall in 2020-21 WY, the United States Bureau of Reclamation **declared a shortage at Lake Mead starting January 1st, 2022**. There is and a 100% chance of shortage continuing in 2023.

As of May 22nd Lake Oroville storage is at **55% of total capacity and 69% of normal**. As of May 22nd San Luis Reservoir has a current volume of **46% of the reservoir's total capacity and is 63% of normal**.

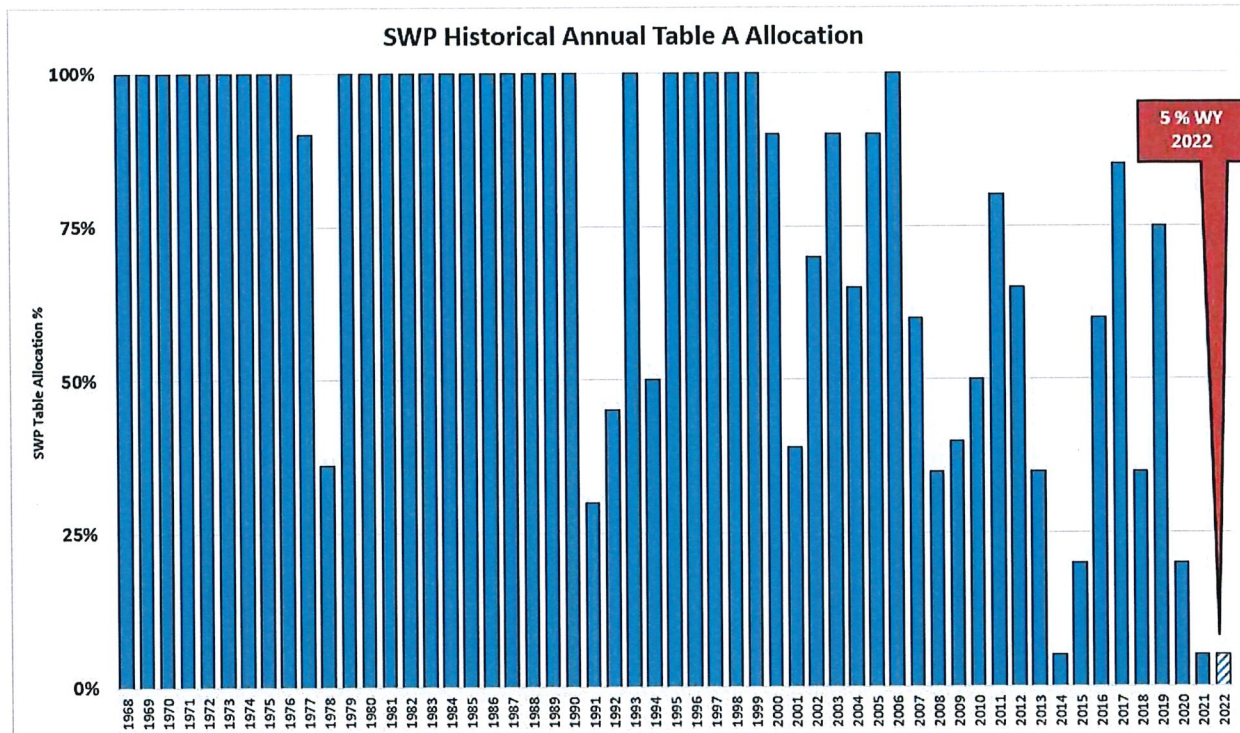


With early CY 2022 estimated total demands and losses of 1.861 million acre-feet (MAF) and with a 5% SWP Table A Allocation, Metropolitan is projecting that demands will exceed supply levels in Calendar Year (CY) 2022. Based on this, estimated total dry-year storage for Metropolitan at the end of **CY 2022 will go down to approximately 1.752 MAF.**

A projected dry-year storage supply of **1.752 MAF would still be about 0.752 MAF above where MWD has historically declared a water supply allocation.** A large factor in maintaining a high water storage level are lower than expected water demands. We are seeing regional water demands reaching a 38-year low.







## MET'S WATER QUALITY UPDATE

Metropolitan complied with all water quality regulations and primary drinking water standards during March 2022. Following up on its sanitary survey last month, the California State Water Resources Control Board's Division of Drinking Water (DDW) conducted the second part of the survey at the Jensen plant on April 19. Accompanied by Metropolitan staff, the DDW inspectors visited the plant and reviewed operational documentation. DDW will issue a survey report that summarizes its findings and any recommendations.

On April 8, Metropolitan staff submitted quarterly disinfection byproduct monitoring reports to DDW. These compounds, which may be produced through the disinfection process needed to ensure safe drinking water, are monitored in Metropolitan's main distribution system and in the domestic water systems at the desert pumping plants. All locations were in compliance with regulatory requirements.

### Water Treatment and Distribution

The State Water Project target blend entering the Weymouth and Diemer plants and Lake Skinner was zero percent in March 2022.

Flow-weighted running annual averages for total dissolved solids from February 2021 through January 2022 for Metropolitan's treatment plants capable of receiving a blend of supplies from the State Water Project and the Colorado River Aqueduct were 575, 570, and 577 mg/L for the Weymouth, Diemer, and Skinner plants, respectively.

On February 23, a Union Pacific railcar derailed during transport of an empty fluorosilicic acid railcar from the Los Angeles Aqueduct Filtration Plant (LAAFP). The train damaged

the rail and switch that serves the LAAFP and Jensen plant. Union Pacific suspended rail service to both facilities until repairs were complete. To ensure a continued supply of chlorine for the Jensen plant, contingency plans were developed to deliver 17-ton chlorine trailers from Metropolitan's Chemical Unloading Facility (CUF) located over 100 miles away in Riverside County. Metropolitan Staff developed special operational procedures to handle this unprecedented delivery coordinating with the Los Angeles Fire Department and California Highway Patrol. On March 15, Metropolitan staff placed one chlorine trailer in service. On April 1, Union Pacific completed its repairs, which now allows continued rail service to the Jensen plant.

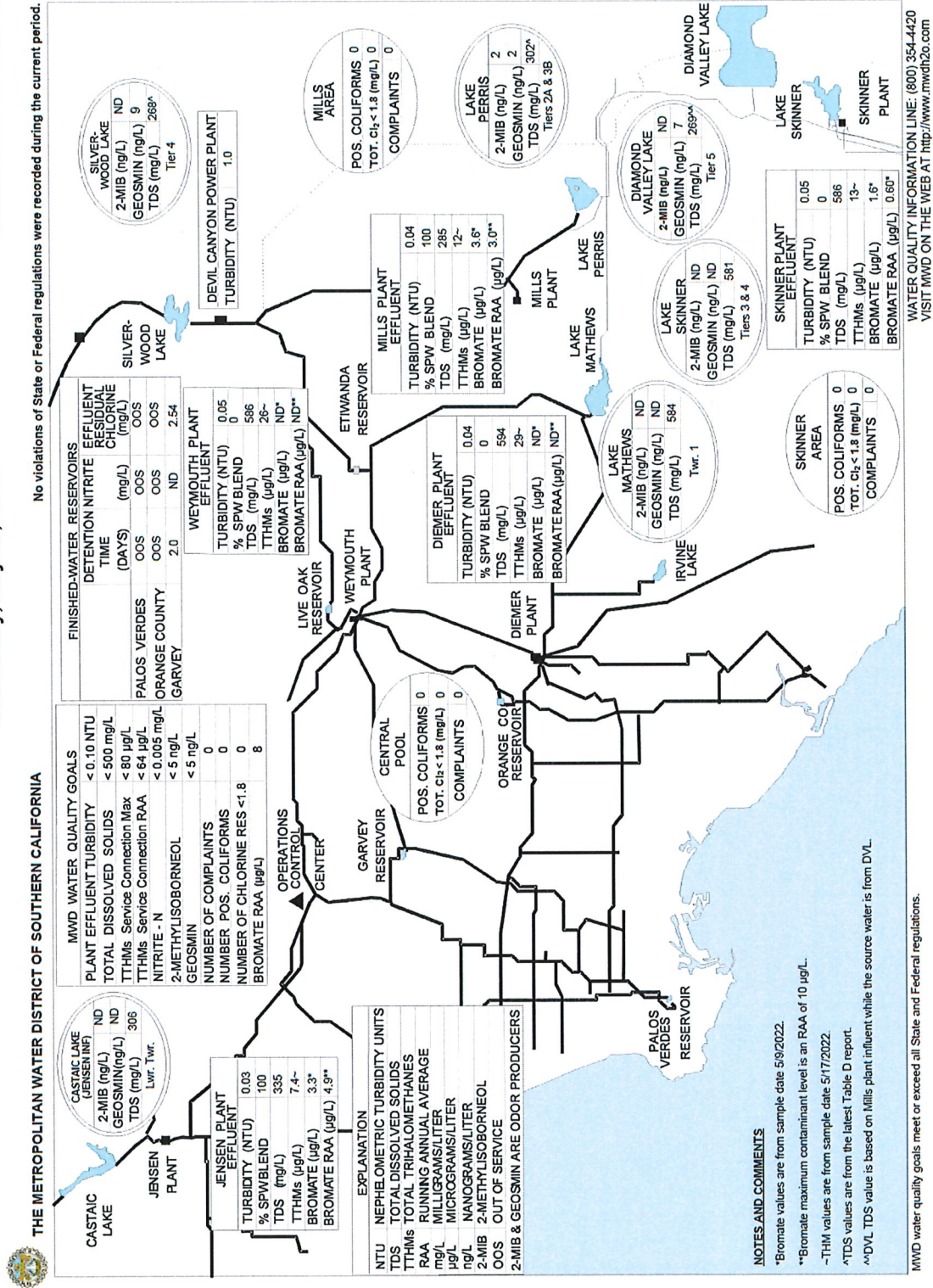
Metropolitan staff began installing an ammonia analyzer in the water quality instrumentation building at the Weymouth plant. The analyzer is used for monitoring the plant effluent and can be easily switched from the Orange Counter Feeder to the Upper Feeder west sample line. This analyzer helps to ensure a proper disinfectant residual in the distribution system.



## Weekly Water Quality System Status

**Wednesday, May 25, 2022**

Generated On:5/25/2022 9:41:36 AM





The Metropolitan Water District of Southern California														
GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES														
TABLE D														
February 2022														
CONSTITUENTS	UNITS	SOURCE WATERS								TREATMENT PLANT EFFLUENTS				
		LAKE HAVASU	SAN JACINTO TUNNEL	LAKE MATHEWS	CASTAIC LAKE	SILVER- WOOD LAKE	LAKE PERRIS	DIAMOND VALLEY LAKE	LAKE SKINNER	WEY- MOUTH	DIEMER	JENSEN	SKINNER	MILLS
SILICA	mg/L	7.9	8.0	8.3	14.8	10.9	2.3	6.1	7.7	8.0	8.2	14.6	7.4	6.4
CALCIUM	mg/L	71	71	69	32	24	27	25	67	71	72	31	66	26
MAGNESIUM	mg/L	28	28	27	8	6	14	13	25	27	27	8	26	13
SODIUM	mg/L	92	94	95	72	62	66	55	90	105	104	73	100	65
POTASSIUM	mg/L	4.5	4.5	4.6	2.1	1.9	3.8	3.6	4.4	4.8	4.7	2.2	4.7	3.6
ALKALINITY, CARBONATE AS CO <sub>3</sub>	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HC	mg/L	168	166	163	99	96	128	105	161	154	155	102	145	100
SULFATE	mg/L	208	204	203	63	51	42	46	202	217	212	68	214	55
CHLORIDE	mg/L	93	91	91	68	62	83	69	92	97	97	72	98	74
NITRATE	mg/L	1.5	1.2	0.9	3.7	2.1	<0.1	0.5	0.9	1.0	1.0	3.8	1.0	0.7
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	588	583	581	313	268	302	271	570	608	604	324	590	294
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	283	274	274	107	85	124	112	271	276	276	108	273	114
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	138	136	134	81	79	105	86	132	126	127	84	119	82
FREE CARBON DIOXIDE	mg/L	1.5	1.5	1.7	1.8	1.4	2.0	3.3	1.9	1.9	2.0	0.8	1.9	0.7
pH	pH	8.26	8.26	8.21	7.97	8.06	8.03	7.72	8.16	8.14	8.12	8.31	8.11	8.40
SPECIFIC CONDUCTANCE	µS/cm	948	943	935	525	477	557	494	934	965	956	555	954	526
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.59	0.94	0.73	1.9	0.39	1.6	0.27	0.64	0.04	0.04	0.04	0.05	0.04
TEMPERATURE	°C	11	12	15	12	9	12	14	16	14	15	15	16	16
BROMIDE	mg/L	0.08	0.06	0.08	0.24	0.23	0.26	0.21	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.94	3.06	2.90	1.84	2.90	3.80	2.60	3.02	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.51	0.51	0.26	0.48	0.25
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	5	100

## COLORADO RIVER ISSUES

### Actions to Protect Lake Powell Critical Elevation

The Department of the Interior's April 8 letter to the Governors' representatives of the Colorado River Basin States (Basin States) requested reducing Glen Canyon Dam releases from 7.48 million acre feet (MAF) to 7.0 MAF this water year in order to reduce the risks of Lake Powell declining below elevation 3,490 feet, including risks to dam infrastructure, power generation, and the ability to access water supply for the City of Page, Arizona and the LeChee Chapter of the Navajo Nation. The Basin States issued a response letter on April 22 indicating support for the proposal that the U.S. Bureau of Reclamation (Reclamation) implement the 480,000 acre-foot (AF) reduction to the 2022 water year release from Glen Canyon Dam to reduce the risks the Basin faces and urged Reclamation to evaluate any needed maintenance or feasible modifications to water delivery or hydropower generation infrastructure at the facility. The Basin States requested that such temporary reductions in releases from Glen Canyon Dam be implemented in a manner that is operationally neutral for tier and release determinations made pursuant to the 2007 Interim Guidelines, the 2019 Drought Contingency Plan, and Minute 323. Specifically requesting that operational determinations be made as if the 480,000 AF had been released from Glen Canyon Dam in the 2022 water year. A Department of the Interior response to the Basin States' letter is expected soon.

Implementation of the reduced releases from Glen Canyon Dam may begin after the Department of the Interior's responds to the Basin States' April 22 letter.

The Upper Colorado River Commission and Reclamation posted the Upper Basin's Drought Response Operation Plan for 2022. In this plan, an additional 500,000 AF of water will be released from Flaming Gorge reservoir by April 2023 to help support the elevation of Lake Powell. With the reduced Lake Powell releases to Lake Mead and the increased releases from Flaming Gorge reservoir, the risk of Lake Powell falling below minimum power pool in the next two years will be substantially reduced.

### **Metropolitan Confirms Storing 25,000 AF of water for Imperial Irrigation District (IID) in 2021**

Following approval of the settlement agreement between IID and Metropolitan, staff from the agencies reviewed the data and confirmed that IID conserved at least 25,000 AF of water in 2021 in addition to the water needed to meet its transfer commitments. Under the terms of the settlement agreement, Metropolitan will store that water in Lake Mead in an Intentionally Created Surplus sub-account, which IID can access in a future year to avoid an overrun. The extra conservation helped decrease the decline in Lake Mead in 2021.

## **DELTA CONVEYANCE ACTIVITIES AND STATE WATER PROJECT ISSUES**

On April 4, the State Water Resources Control Board (State Water Board) approved in part the Temporary Urgency Change Petition that DWR and Reclamation jointly filed in March in response to critically dry conditions in the BayDelta watershed. The State Water Board Order allows temporary changes for Delta outflow and Delta salinity requirements during the April 1 to June 30, 2022, timeframe.

### **Delta Conveyance**

The California Department of Water Resources (DWR) is continuing to develop a public Draft Environmental Impact Report (EIR) under the California Environmental Quality Act for the Delta Conveyance Project. The U.S. Army Corps of Engineers (USACE), as part of its permitting review under the Clean Water Act and Rivers and Harbors Act, is preparing an Environmental Impact Statement (EIS) to comply with the National Environmental Policy Act. DWR and USACE are planning to release draft environmental documents for public review in mid-2022.

### **Joint Powers Authority**

During a Special Board of Directors meeting on April 8, the Delta Conveyance Design and Construction Authority Board of Directors approved a resolution to extend virtual board and committee meetings pursuant to AB 361. The regularly scheduled April 21 meeting of the Delta Conveyance Finance Authority was cancelled.



## **Sites Reservoir**

At their April meetings, the Sites Project Authority Board and the Sites Reservoir Committee were presented an update to the Amendment 3 project agreement approval process (agencies approving continuation of funding for completion of planning process), including estimated participation levels. Current participants have all reported back and there is approximately 1,000 acre-feet of unsubscribed capacity. There is an approved “waiting list” for new participants who have submitted letters of interest before March 31. Sites Reservoir staff will reach out to current participants for interest in making voluntary reductions to accommodate increased U.S. Bureau of Reclamation (Reclamation) investment and “waiting list” capacity.

## **Science Activities**

Metropolitan staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team. In April, activity focused on discussion of a draft CSAMP Progress Report and priorities for the next year. CSAMP also received briefings on the impacts of thiamine deficiency on Central Valley salmon and on the Delta Science Program's Science Action Agenda.

Metropolitan staff continued collaboration with NGO environmental organizations and public water agencies on the CSAMP Salmon Recovery Initiative. In April, the project team continued presentations to interested parties throughout the Central Valley to make them aware of the project and ask for their participation in Phase 2 of the process. At the second large presentation, over 100 interested parties including tribal groups, conservation groups, water agencies, and state and federal agencies joined the meeting. The project team is now in the information collecting phase to collect information on existing projects to benefit salmon and potential habitat restoration. Phase 2 is focused on soliciting actions planned to aid in salmon recovery, and in phase 3, those actions will be analyzed to see which actions best achieve salmon recovery while meeting other objectives (e.g. cost, water supply, ag production, etc.).

Metropolitan staff co-authored a scientific paper that reported on results from a study evaluating the bioavailability of pesticides in juvenile Chinook salmon habitat in the Sacramento River watershed. The study was funded by a Prop 1 grant with cost-share from Metropolitan. The paper published on March 30 in the journal Environmental Science & Technology ([Dietary Exposure to Bifenthrin and Fipronil Impacts Swimming Performance in Juvenile Chinook Salmon \(\*Oncorhynchus tshawytscha\*\) | Environmental Science & Technology \(acs.org\)](#)) evaluated the swimming performance of Chinook salmon exposed to environmentally relevant concentrations of two pesticides commonly used in the Central Valley. The study found that juvenile salmon exposed to the pesticides had significantly reduced swimming performance and had impacts to their metabolism. These types of effects may have significant impacts on juvenile salmon abilities to avoid predators and forage for food.

### **Delta Levee Stability and Monitoring Efforts**

Delta levee stability and monitoring efforts are ongoing with implementation of an instrumentation pilot on Metropolitan's Bouldin Island Pilot to evaluate the effectiveness of detecting real time changes in levee conditions. This type of capability could provide both long-term levee management benefit, as well as the ability to quickly assess conditions in the event of an earthquake in the region. Efforts also include the storage of real time data produced from the instrumentation network in a manner that can be easily accessed for evaluation.

## **PUBLIC/GOVERNMENT AFFAIRS**

### **MEMBER AGENCY RELATIONS**

#### Public Affairs Staff:

- Staffed a booth at the Trabuco Canyon Water Awareness Day
- Ricky the Rambunctious Raindrop appearance at a Santa Margarita Water District Event
- Staffed a booth at the Bolsa Chica Earth Day Event
- Designed, printed, and distributed the summer bill insert
- Provided support to Moulton Niguel Water District and Golden State Water District and their represented schools for Metropolitan Water District of Southern California's 2022 Solar Cup competition.
- Speakers Bureau: Presented on drought outreach at the Orange County Water Use Efficiency Workgroup Meeting
- Prepared and shared drought collateral with Orange County member agencies and partners that included 75 unique messages including 18 water-saving tips, as well as 34 social media graphics, each with a unique persona and tip for saving water

#### Government Affairs Staff:

- Participated in a meeting with SMWD staff and Director Chuck Gibson regarding salinity control on the Colorado River

### **COMMUNITY RELATIONS**

#### Public Affairs Staff:

- Provided giveaway items for a Career Fair at Santiago Canyon College
- Planned the Water Awareness Poster Contest Awards Ceremony at Shipley Nature Center and invited winning families

#### Governmental Affairs Staff:

- Attended the ACC-OC Regulatory and Legislative Committee meeting (4/28)
- Attended the OCBC Legislative Committee meeting
- Participated in the ACC-OC Energy, Environment, and Water Committee
- Attended the ACC-OC Regulatory and Legislative Committee meeting (5/26)
- Coordinated with OCBC staff to make a presentation on the WEROC EOC at their Infrastructure Committee meeting in June



## EDUCATION

### Public Affairs Staff

- Speakers Bureau: Attended two (2) Metropolitan Water District of Southern California Education Coordinator meetings and participated as a guest speaker on drought in education
- Attended the bi-monthly California Department of Water Resources Water Education Committee meeting
- Speakers Bureau: Hosted a Project WET Orange County teacher training with Orange County Department of Education and Department of Water Resources, participated as a guest speaker on Orange County water supply and reliability issues.
- Participated in the bi-weekly California Environmental Literacy Initiative's Green Careers Innovation Hub
- Attended MET's 2022 Solar Cup Awards Ceremony
- Provided information regarding MWDOC Choice K-12 School Programs to the City of Fullerton, City of Brea, City of Orange, Mesa Water, Yorba Linda Water District
- Shared a Stormwater Leadership Project student presentation opportunity with the City of Santa Ana and the City of San Clemente
- Met with Ignited Education to discuss a partnership with the Water-Energy Education Alliance

## MEDIA RELATIONS

### Public Affairs Staff

- Prepared and distributed content for social media
- Prepared and submitted two articles to ACWA:
  - <https://www.acwa.com/news/huntington-beach-makes-waves-with-water-wise-art-displays/>
  - <https://www.acwa.com/news/mwdoc-public-affairs-manager-and-local-artist-unveils-stella-13/>
- Worked with HashtagPinpoint to film five (5) Garden Smart videos with the University of California Cooperative Extension (UCCE) Master Gardeners of Orange County
- Met with various members of the media to discuss drought, reliability, infrastructure projects, and regulations
- Distributed weekly Critical Mention news reports to the MWDOC Board of Directors and staff

## **SPECIAL PROJECTS**

### **Public Affairs Staff:**

- Participated in an Orange County Cyber Disruption Resiliency Workshop and led a water treatment plant scenario
- Responded to MWDOC department requests for website information and published website updates
- Participated in several preliminary OC Water Summit Planning Meetings
- Attended Supervisors Academy - Ideas into Action training
- Attended a Regional Update on Southern California Water Supplies webinar hosted by Orange County Water District with the Metropolitan Water District of Southern California
- Met with the Centers of Excellence, BAYWORK, and Cuyamaca College to review statewide water and wastewater survey questions
- Prepared content for MWDOC eCurrents newsletter

### **Governmental Affairs Staff:**

- Staffed the ISDOC Quarterly Luncheon, featuring guest speaker Neil McCormick of CSDA
- Completed the CSUF course, "Leading Change in Organizations"
- Attended the ACWA Spring Conference, including numerous sessions, in Sacramento
- Staffed the ISDOC Executive Committee meeting
- Completed the CSUF course, "Designing and Delivering Effective Presentations."
- Staffed the WACO Committee featuring speakers from MWD on the drought and outreach response
- Staffed the WACO Planning meeting
- Completed the CSUF course, "Group Facilitation – An Art Form."
- Booked speakers from Sites Reservoir for the July WACO meeting

## **LEGISLATIVE AFFAIRS**

### **Governmental Affairs Staff:**

- Participated in the ACWA Region 10 State Legislative Committee prep meeting
- Attended the ACWA State Legislative Committee meeting (4/29)
- Attended the ACWA Federal Affairs Committee meeting
- Participated in the CSDA Brown Act working group meeting
- Participated in the CMUA Regulatory and Legislative Committee meetings
- Attended the California Natural Resources Agency webinar on climate and water investments in the Governor's budget
- Attended the CSDA Legislative Days event in Sacramento
- Met with Assembly Member Laurie Davies, re: WEROC EOC and AB 2142 (tax exemption for turf rebates)



- Attended the ACWA State Legislative Committee meeting (5/20)

## **WATER USE EFFICIENCY: APRIL – MAY 2022**

### **ORANGE COUNTY DATA ACQUISITION PARTNERSHIP (OCDAP)**

On May 10, Rachel Waite attended the OCDAP Working Group Meeting. The working group collaborates on and organizes a regional effort to cost share the acquisition of high-resolution aerial imagery and related products. Topics on the agenda included:

- Status of RFP for Cycle 2
- Group Discussion on Cycle 2 Agreements
- OCDAP Data Sharing Efforts and Projects Underway

The next meeting is scheduled for June 14.

### **ORANGE COUNTY WATER LOSS CONTROL WORKGROUP MEETING**

On May 10, Joe Berg and Rachel Davis hosted the Orange County Water Loss Control Workgroup meeting via Zoom. Approximately 34 agency staff attended this meeting. Items on the agenda included:

- Water Loss Updates
  - Customized Model Inputs
  - Meeting Format Survey Results
- Team Building Module: Water Supplied
- Water Loss Learning Module: An Introduction to Production Meter Testing and Its Effect on the Water Audit
- Discussion and Questions

The next workgroup meeting is scheduled for July 12.

### **METROPOLITAN WATER USE EFFICIENCY COORDINATOR MEETING**

On May 10, Joe, Rachel W. Beth Fahl, Rachel D., and Sam Fetter attended Metropolitan's monthly Water Use Efficiency Coordinator Meeting. Topics on the agenda included:

- April Board Items
- Upcoming May Board Items
- MWD Updates
  - External Affairs
  - Water Supply Update
  - Drought Response Planning
  - USBR Grant
  - CA Friendly Landscape Classes
- Drought Response Actions

The next meeting is scheduled for June 16

## **WATER CONSERVATION DATA COLLABORATION**

On May 20, Rachel W. joined the Water Conservation Data Collaborative hosted by San Antonio Water Systems (SAWS). The goal of this group is for water industry data analysts from across the country to discuss, share, and collaborate on relevant projects and ideas. Topics discussed included: multi-family water conservation programs, energy star portfolios, and multi-family outreach.

The next meeting will be scheduled next quarter.

## **ALISO CREEK WATERSHED COLLABORATION GROUP**

On May 25, Rachel W. joined the Aliso Creek Watershed Collaboration Group meeting hosted by the South OC IRWM Group. The meeting objectives included:

- Review recent creek reconnaissance and field verification
- Introduce two conceptual alternative approaches
- Seek feedback on potential approaches
- Present guidance for interested parties to bring forward concepts
- Introduce potential for funding opportunities

The next meeting is scheduled for June 22.

## **PROP 1 ROUND 2 - NORTH ORANGE COUNTY CALL FOR PROJECTS**

On May 26, Rachel W. submitted Making Conservation an OC Way of Life, a water use efficiency program, to the Prop 1 Round 2 North/Central Orange County call for projects from the County. The proposed project will facilitate the transformation of turfgrass to California Friendly landscapes and upgrade antiquated irrigation equipment to high efficiency options. This will result in reduced water consumption, supporting water supply reliability, reduced runoff, reduced energy consumption, and reduced carbon dioxide emissions. Additionally, this project is designed to support Orange County urban water suppliers in complying with the Conservation Framework.

## **PROP 1 ROUND 2 - SAWPA CALL FOR PROJECTS**

On June 1, Rachel D. submitted the Regional Water Distribution System Leak Detection and Repair Program, a water loss control project proposal, to the Prop 1 Round 2 Santa Ana Watershed call for projects from SAWPA. The proposed project will facilitate acoustic leak detection surveys in North Orange County, with potential additional program partners in the upper watershed. The project will also focus on the early detection of non-surfacing leaks. This will result in reduced real losses, supporting water supply reliability, reduced runoff, reduced energy consumption, and reduced carbon

dioxide emissions. Additionally, this project is designed to support Orange County urban water suppliers in complying with the Conservation Framework.

## **CALIFORNIA WATER EFFICIENCY PARTNERSHIP (CALWEP) PEER-TO-PEER**

On June 1 and 2, Joe, Steve, Rachel W., Beth, Sam, Daniela Velasquez, Letty Aguilar, and Cristal Castro participated in the two-day Peer-to-Peer conference. Joe and Rachel W. sat on the Complying with the Residential Outdoor Standard panel and presented what MWDOC is doing to support compliance with the standard. Additional topics discussed at the conference included:

- Inside CA State Water Management with DWR and SWRCB staff
- Complying with CII Landscape Requirements with MNWD, Eagle Aerial, and City of Santa Barbara staff
- Connect, Collaborate, and Grow discussion with a panel that included members of CalWEP, Flume, AWE, and MWDSC





## MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AGENCIES MANAGERS MEETING

### ZOOM LINK:

<https://us06web.zoom.us/j/82608765902>

Meeting ID: 826 0876 5902

Passcode: 830570

Dial-in option: (669) 900-9128

**WHEN:** Thursday, June 16, 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. Grant Assistance Funding Update 2022..... ([Link](#))

2-3. Member Agency Facilitated Discussion Phase II..... ([Link](#))

2-4. WEROC Update

a. Emergency Operations Center Funding Match..... ([Link](#))

2-5. Roundtable on Emergency Regulations Response

2-6. Engineering Update

#### **3. Announcements:**

3-1. Final Annual Water Supply and Demand Assessments..... [Due to DWR July 1](#)

3-2. OC Water Summit.....[September 16, 2022](#)

#### **4. Report Items:**

4-1. Monthly GM Report ..... ([Link](#))

4-2. Legislative Reports ..... ([Link](#))

4-3. WEROC Matrix ..... ([Link](#))

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

#### **5. Next meeting will tentatively be held July 21, 2022.**

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#### 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

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



**May 26, 2022**  
2:30 – 3:00 p.m.

**Meeting Held Remotely**

**[Click Here to Join Webinar](#)**

**Call-in: (415) 655-0001 (Access Code: 2458 577 8062)**  
**Event Password: socwma**

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**Tiffany Ackley, Chair**

City of Aliso Viejo

**Debbie Neev**

Laguna Beach County Water District

**Saundra Jacobs**

Santa Margarita Water District

**Kelly Jennings**

City of Laguna Niguel

**Mike Frost**

City of Dana Point

**Karen McLaughlin**

Irvine Ranch Water District

**Sue Kempf**

City of Laguna Beach

**Dave Wheeler**

City of Laguna Hills

**Carol Moore**

City of Laguna Woods

**Brian Goodell**

City of Mission Viejo

**Neeki Moatazedi**

City of Lake Forest

**Kay Havens, Vice Chair**

El Toro Water District

**Bill Moorhead**

Moulton Niguel Water District

**Megan Yoo Schneider**

Municipal Water District of OC

**Lisa Bartlett**

County of Orange

**Brad McGirr**

City of Rancho Santa Margarita

**Steve Knoblock**

City of San Clemente

**Norris Brandt**

San Juan Basin Authority

**Doug Erdman**

South Coast Water District

**Betty Burnett**

South OC Wastewater Authority

**Ed Mandich**

Trabuco Canyon Water District

**Howard Hart**

City of San Juan Capistrano

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*The Watershed Management Area Executive Committee welcomes you to this meeting and encourages your participation. This agenda contains a brief general description of each item to be considered. Except as otherwise provided by law, no action shall be taken on any items not appearing in the following agenda. However, items may be taken up in a different sequence.*

*As a result of the COVID-19 emergency and State Assembly Bill 361, this meeting will be held via webinar and teleconference only. Important privacy note: This is a public meeting and as such, the webinar and teleconference access information is published and available to everyone at [www.southocirwm.org](http://www.southocirwm.org). Executive Committee members and staff may attend this meeting via telephone and/or online.*

*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 Executive Committee less than seventy two (72) hours prior to the meeting will be available on the South OC IRWM website at [www.southocirwm.org](http://www.southocirwm.org).*



*In compliance with the American Disabilities Act, those requiring accommodations for this meeting should notify the SOCWMA Meeting Administrator 72 hours prior to the meeting at 714-955-0635 or [maria.tamez@ocpw.ocgov.com](mailto:maria.tamez@ocpw.ocgov.com).*

**LINK: [Click Here to Join Webinar](#) (Event Password: socwma)**

**FOR AUDIO:**

1. Use computer audio through Microsoft Teams; or
2. From Phone: **Dial (415) 655-0001 (Access Code: 2458 577 8062)**

***If you have any questions, please contact the designated SOCWMA Meeting Administrator at [maria.tamez@ocpw.ocgov.com](mailto:maria.tamez@ocpw.ocgov.com) or 714-955-0635.***

**TO PROVIDE PUBLIC COMMENT ON AGENDA ITEMS:**

*Members of the public have the opportunity to submit comments in writing via mail to Maria Tamez (SOCWMA Meeting Administrator) at 2301 N. Glassell, Orange CA 92665 or by email at [maria.tamez@ocpw.ocgov.com](mailto:maria.tamez@ocpw.ocgov.com) prior to the meeting. If submitting comments via mail, please ensure your comments are received prior to 2:30 PM on May 26, 2022. Comments may also be submitted during the meeting via the “Q&A” or “raise hand” functions of Microsoft Teams – if members of the public indicate they have a comment on an item using the “raise hand” function, the SOCWMA Meeting Administrator or SOCWMA Executive Committee Chair will acknowledge. Comments on agenda items submitted via comments or email will be read aloud by the SOCWMA Meeting Administrator during the appropriate agenda item. Please identify the applicable agenda item number and keep public comments to three minutes.*

*Public comments on non-agenda topics as noted for Item #3 below may be submitted using the same methods noted above. Members of the public are asked to indicate the agenda item for which they are providing comment in either instance.*



## **REGULAR BUSINESS & DISCUSSION**

### **CALL TO ORDER**

### **WELCOME AND PLEDGE OF ALLEGIANCE**

### **ITEM # 1 INTRODUCTIONS/ROLL CALL**

### **ITEM # 2 BROWN ACT TELECONFERENCING AB 361 FINDINGS**

#### **Recommended Actions:**

- 1) Review and reconsider the circumstances of the state of emergency.
- 2) Confirm that the South Orange County Watershed Management Area Executive Committee finds:
  - a. The South Orange County Watershed Management Area Executive Committee has reconsidered the state of emergency; and,
  - b. The state of emergency continues to directly impact the ability of the members to meet safely in person or State or local officials continue to impose or recommend measures to promote social distancing.
- 3) Based upon the findings in recommendations #1 and #2, the South Orange County Watershed Management Area Executive Committee will continue teleconference meetings, unless and until the findings in recommended actions #1 and #2 no longer apply.

### **ITEM # 3 2022 MEETING SCHEDULE AMENDMENTS**

#### **Recommended Actions:**

- 1) Approve removal of June 23, and July 21, 2022 meeting dates, discontinuing meetings scheduled to review circumstances of the state of emergency and making findings to meet requirements of AB 361 to teleconference for future meetings.
- 2) Approve moving the November 3, 2022 meeting to either November 10<sup>th</sup> or 17<sup>th</sup> to accommodate use of the Laguna Niguel Counsel Chambers.
- 3) Approve canceling and removing from the meeting calendar the August 4, 2022 meeting in deference to the Proposition 1 – Round 2 IRWM Grant project review and prioritization process.

### **ITEM # 4 PUBLIC COMMENTS (NON-AGENDA ITEMS)**

### **ITEM # 5 APPROVAL OF MINUTES**

**Recommended Action:** Approve the minutes of the April 28, 2022 meeting.

**ADJOURNMENT – NEXT MEETING DATE: TBD**



## AGENDA STAFF REPORTS

### Regular Business

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#### CALL TO ORDER

#### WELCOME AND PLEDGE OF ALLEGIANCE

### ITEM # 1. INTRODUCTIONS

**Committee Members:** *The SOCWMA Meeting Administrator will record your attendance and webinar/call-in ID name, and request confirmation during a verbal roll call. Please unmute your connection when your name is read aloud during roll call, and re-mute until you would like to speak on subsequent agenda items. The SOCWMA Meeting Administrator will read all Executive Committee member names during roll – if an alternate is serving on the Committee, they will respond when the name of the primary member is read and indicate which member they are sitting in for on the record.*

**Members of the Public:** *your line will be muted upon joining. As with all SOCWMA Executive Committee meetings, you are welcome to introduce yourself to sign-in but are not required to do so. Please either enter your name as you join or email the SOCWMA Meeting Administrator to ensure your name appears on the public record if you so choose. If you wish to submit a public comment, please use the “raise your hand” function in the webinar to be recognized or unmute yourself to speak if you’re joining via a phone connection by dialing \*6 (“star 6”). If you provide comment over the telephone, please state your name, affiliation (if applicable), and provide your comment.*

### ITEM # 2. BROWN ACT TELECONFERENCING FINDINGS FOR FUTURE MEETINGS

Executive Order No. N-29-20 suspended the Ralph M. Brown Act (Brown Act) requirements for teleconferencing as a result of the COVID-19 pandemic. To continue to provide increased remote access to public meetings, the state legislature passed and the Governor signed into law<sup>1</sup>, [AB 361](#) on September 16, 2021. This bill authorizes a local agency to use teleconferencing without complying with the teleconferencing requirements imposed by the Brown Act<sup>2</sup> when a state of emergency remains active, or state or local officials have imposed or recommended measures to promote social distancing. In order to continue to teleconference without compliance with teleconference location posting requirements, the legislative body shall, not later than 30 days after teleconferencing for the first time, and every 30 days thereafter, make the following findings by majority vote:

1. The legislative body has reconsidered the circumstances of the state of emergency.
2. Any of the following circumstances exist:
  - i. The state of emergency continues to directly impact the ability of the members to meet safely in person.
  - ii. State or local officials continue to impose or recommend measures to promote social distancing.

The [state of emergency issued in March 2020](#) by Governor Newsom is still in effect, and AB 361 applies. To provide for teleconferencing during this (May 26th) Committee meeting, recommended actions are included to make appropriate findings. Staff recommend that the Committee discuss and make findings, as appropriate, to allow teleconferencing of the May 26, 2022 meeting.

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<sup>1</sup> <https://www.gov.ca.gov/2021/09/20/governor-newsom-signs-executive-order-9-20-21/>

<sup>2</sup> Effective until January 1, 2024

### **Recommended Actions:**

- 1) **Review and reconsider the circumstances of the state of emergency.**
- 2) **Confirm that the South Orange County Watershed Management Area Executive Committee finds:**
  - a. **The South Orange County Watershed Management Area Executive Committee has reconsidered the state of emergency; and,**
  - b. **The state of emergency continues to directly impact the ability of the members to meet safely in person or State or local officials continue to impose or recommend measures to promote social distancing.**
- 3) **Based upon the findings in recommendations #1 and #2, the South Orange County Watershed Management Area Executive Committee will continue teleconference meetings, unless and until the findings in recommended actions #1 and #2 no longer apply.**

### **ITEM # 3. 2022 MEETING SCHEDULE AMENDMENTS**

The Committee meetings typically occur on a quarterly basis, and at least twice per year in accordance with the Cooperative Agreement. Meeting dates for the subsequent calendar year are proposed and approved at the last meeting of the current calendar year. At the November 4, 2021 meeting, the Committee approved a set of meeting dates to provide flexibility related to the Proposition 1 – Round 2 IRWM Grant solicitation. At the March 3, 2022 meeting the Committee approved removing the May 5, 2022 meeting from the calendar, and added monthly meeting dates through August for the purposes of reviewing findings on the state of emergency to comply with AB 361.

As noted at the March 3, 2022 meeting, the State Department of Water Resources (DWR) schedule for the Proposition 1 – Round 2 IRWM Grant application is the primary driver for South OC IRWM activities and Committee action in 2022. An application deadline of February 2, 2023 was formalized by DWR on May 17, 2022. Please reference **Figure 1** below for the full anticipated project review and prioritization schedule for the grant. As expected, staff initiation of the local call for projects will take place in the June/July 2022 timeframe. Launching a call for projects includes a public technical assistance workshop on the grant program – Committee members will be invited to attend<sup>3</sup>. Reviewing projects submitted for funding consideration through the call for projects is a significant commitment of staff time and resources. Additionally, Management Committee members will be heavily engaged in the review and ranking of projects for public and Committee consideration. Staff recommend forgoing the August quarterly meeting to focus on project review, and the associated public workshop. Staff recommend the next quarterly meeting be held in November in accordance with the approved schedule, and to review and approve a final slate of projects for Proposition 1 – Round 2 IRWM Grant funding.

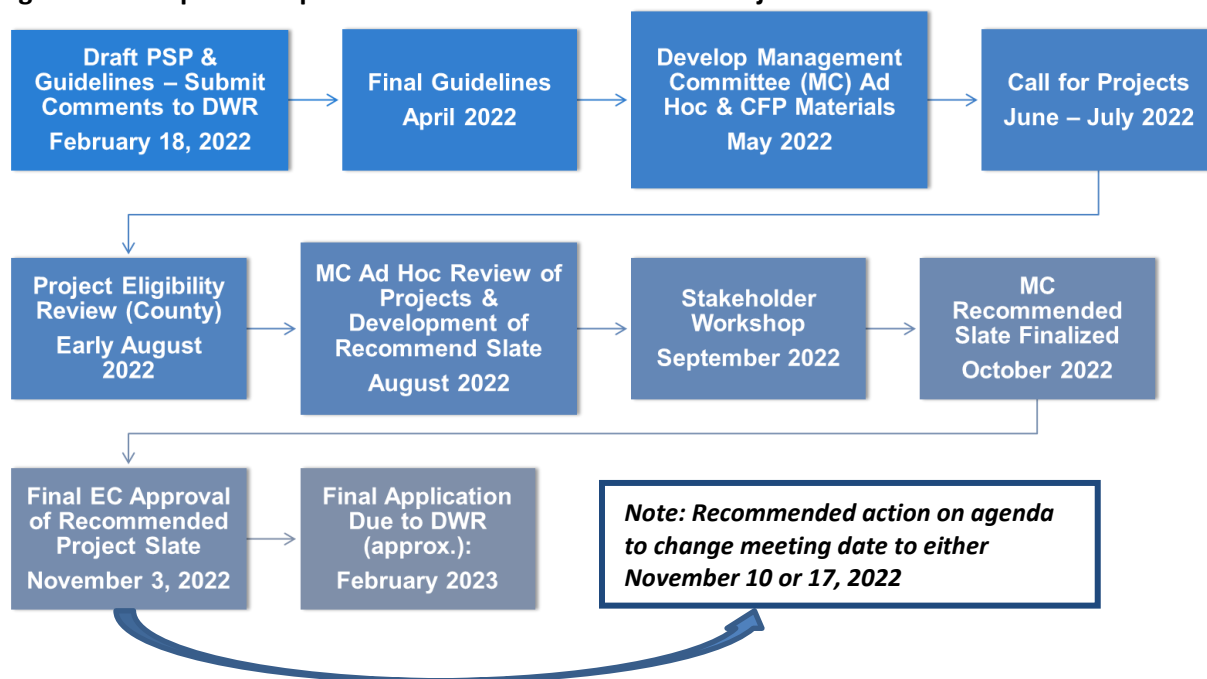
Additionally, at the March 3, 2022 meeting the Committee requested staff seek a venue for the Committee to meet in person for the next quarterly meeting. Additional direction was provided to staff at the April 28, 2022 meeting, confirming that should a venue be available, the Committee would discontinue monthly meetings included on the schedule for the purposes of making findings in accordance with AB 361. Staff have confirmed the availability of the Laguna Niguel Council Chambers for either November 10 or November 17, 2022 – the facility is not available for the currently scheduled November 3, 2022 meeting date. To accommodate the use of this facility, staff recommend modifying the November meeting date from November 3 to either November 10 or 17, 2022 based upon Committee member availability.

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<sup>3</sup> A maximum of 11 Committee members may attend; 12 or more Committee members would meet quorum.



**Figure 1: Anticipated Proposition 1 – Round 2 IRWM Grant Project Prioritization & Selection Process**



**Recommended Actions:**

- 1) Approve removal of June 23, and July 21, 2022 meeting dates, discontinuing meetings scheduled to review circumstances of the state of emergency and making findings to meet requirements of AB 361 to teleconference for future meetings.
- 2) Approve moving the November 3, 2022 meeting to either November 10<sup>th</sup> or 17<sup>th</sup> to accommodate use of the Laguna Niguel Counsel Chambers.
- 3) Approve canceling and removing from the meeting calendar the August 4, 2022 meeting in deference to the Proposition 1 – Round 2 IRWM Grant project review and prioritization process.

**ITEM # 4. PUBLIC COMMENTS, NON-AGENDA TOPICS**

*Any member of the public wishing to provide public comment on non-agenda items under the jurisdiction of the Executive Committee may do so during Public Comments. If you wish to submit a public comment, please use the “raise your hand” function in the webinar to be recognized or unmute yourself to speak if you’re joining via a phone connection by dialing \*6 (“star 6”). If you provide comment over the telephone, please state your name, affiliation (if applicable), and provide your comment. All persons addressing the Executive Committee are requested to limit comments to three minutes.*

**ITEM # 5. APPROVAL OF MINUTES**

**MINUTES OF APRIL 28, 2022 FOR APPROVAL**

**Date and Location:** April 28, 2022, 2:30 – 3:00 p.m.; meeting held remotely

**\*\*Audio recording for the April 28, 2022 meeting is available [here](#). Recording times noted in the minutes correspond to that item on the recording. \*\***

**ITEM # 1 Introductions/Roll Call (Recording: 00:00:41)**



Kay Havens, Vice-Chair, El Toro Water District	Bill Moorhead, Moulton Niguel Water District
Saundra Jacobs, Santa Margarita Water District	Megan Yoo Schneider, Municipal Water District of OC
Kevin Onuma for Lisa Bartlett, County of Orange	Karen McLaughlin, Irvine Ranch Water District
Brendan Dugan for Brad McGirr, City of Rancho Santa Margarita	David Shissler for Sue Kempf, City of Laguna Beach
Norris Brandt, San Juan Basin Authority	Donald Caskey for Dave Wheeler, City of Laguna Hills
Betty Burnett, South OC Wastewater Authority	Howard Hart, City of San Juan Capistrano

## **ITEM # 2 Brown Act Teleconference AB 361 Findings (Recording: 02:40:00)**

The Committee reviewed the teleconferencing findings for future meetings, in compliance with AB 361.

The Committee asked staff to include an action item on the May 26 agenda to discontinue and cancel all future teleconference meetings if a location is secured for the August meeting to be in person.

### **Recommended Actions:**

- 1) Review and reconsider the circumstances of the state of emergency.
- 2) Confirm that the South Orange County Watershed Management Area Executive Committee finds:
  - a. The South Orange County Watershed Management Area Executive Committee has reconsidered the state of emergency; and,
  - b. The state of emergency continues to directly impact the ability of the members to meet safely in person or State, or local officials continue to impose or recommend measures to promote social distancing.
- 3) Based upon the findings in recommendations #1 and #2, the South Orange County Watershed Management Area Executive Committee will continue teleconference meetings, unless and until the findings in recommended actions #1 and #2 no longer apply.

*Motion: Based upon the Committee making findings per recommendations #1 and #2, the South Orange County Watershed Management Area Executive Committee will continue teleconference meetings, unless and until the findings in recommended actions #1 and #2 no longer apply.*

*First/Second: Saundra Jacobs/Megan Yoo Schneider*

*Roll Call:*

<i>Betty Burnett: Yes</i>	<i>Brendan Dugan: Yes</i>	<i>David Shissler: Yes</i>	<i>Donald Caskey: Yes</i>
<i>Howard Hart: Yes</i>	<i>Karen McLaughlin: Yes</i>	<i>Kay Havens: Yes</i>	<i>Kevin Onuma: Yes</i>
<i>Megan Yoo Schneider: Yes</i>	<i>Norris Brandt: Yes</i>	<i>Sandra Jacobs: Yes</i>	<i>Bill Moorhead: Yes</i>

*Outcome: Motion Passed*

## **ITEM # 3 Public Comments (Non-Agenda Items) (Recording: 00:19:35)**

There were no public comments on non-agenda items.





**ITEM # 4      Approval of Minutes (Recording: 00:19:52)**

The March 31, 2022 meeting minutes were presented to the Executive Committee for approval.

**Recommended Action:** Approve the minutes of the March 31, 2022 meetings.

*Motion:*                      *Approve minutes*

*First/Second:*              *Sandra Jacobs/Norris Brandt*

*Roll Call:*

<i>Betty Burnett: Yes</i>	<i>Brendan Dugan: Yes</i>	<i>David Shissler: Yes</i>	<i>Donald Caskey: Yes</i>
<i>Howard Hart: Yes</i>	<i>Karen McLaughlin: Yes</i>	<i>Kay Havens: Yes</i>	<i>Kevin Onuma: Yes</i>
<i>Megan Yoo Schneider: Yes</i>	<i>Norris Brandt: Yes</i>	<i>Sandra Jacobs: Yes</i>	<i>Bill Moorhead: Yes</i>

*Outcome:*                      *Approved*

**Adjournment (Recording: 00:21:07) – Next meeting May 26, 2022 (For AB 361 Compliance)**

**END MEETING MINUTES OF APRIL 28, 2022**

**Recommended Action:** Approve the minutes of the April 28, 2022 meeting.

**ADJOURNMENT**

Next meeting date: TBD



**Proposition 1 Round 2 IRWM Grant Program  
South Orange County Watershed Management Area  
Call for Projects Technical Assistance Workshop**  
June 9, 2022; 10:30AM – 12PM

**WEBINAR LOG IN:**

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only): 949-543-0845

Phone Conference ID: 489 700 639#



- 1. Welcome & Introductions**  
*Group*
- 2. Proposition 1 IRWM Grant Process Overview**  
*Jenna Voss, County of Orange*
- 3. Eligibility Requirements**  
*Karen Ashby, LWA*
- 4. Online Project Submittal and Resources**  
*Andrew McGuire, County of Orange*
- 5. Project Scoring and Ranking**  
*Avery Blackwell, Geosyntec*
- 6. Questions and Answers**  
*Group*
- 7. Adjourn**

**SOUTH ORANGE COUNTY AGENCIES GROUP MEETING**  
**THURSDAY, MAY 26, 2022**  
**12:00 P.M. to 1:30 P.M.**  
**AGENDA**

EL TORO WATER DISTRICT  
24251 LOS ALISOS BLVD., LAKE FOREST, CA 92630

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1. Welcome and Introductions
2. MWDOC Update/Discussion
  - a. MWDOC Current Issues
  - b. Other Matters
    - i. Update on Salinity Control Discussion
3. MET Update/Discussion
  - a. MET Current Issues
  - b. Other Matters
4. Legislative Information
  - a. Local
  - b. State
  - c. Federal
    - i. STREAM Act
5. Regional Project Interests/Updates
  - a. South County Emergency GW Supply Project
  - b. Doheny Ocean Desalination Project Update
  - c. San Juan Watershed Project
  - d. Solve the Water Crisis Coalition
  - e. R-6 Reservoir Floating Cover and Liner Replacement Project
  - f. Other Project Interests/Updates
6. Any Agency/City Updates
  - a. ACWA Region 10 Update
    - i. Survey Results
    - ii. August 2nd Region Meeting Announcement

Adjournment

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*SOUTH ORANGE COUNTY AGENCIES' GROUP CONSISTS OF MEMBERS AND REPRESENTATIVES FROM*  
City of San Clemente • El Toro Water District • Emerald Bay Service District  
Irvine Ranch Water District • Laguna Beach County Water District • Moulton Niguel Water District  
Santa Margarita Water District • South Coast Water District • Trabuco Canyon Water District

**LOCAL AGENCY FORMATION COMMISSION  
OF  
ORANGE COUNTY**

**REGULAR MEETING AGENDA**

**Wednesday, June 8, 2022  
8:15 a.m.**

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

***Any member of the public may request to speak on any agenda item at the time the Commission is considering the item.***

- 1. CALL THE MEETING TO ORDER**
- 2. PLEDGE OF ALLEGIANCE**
- 3. ROLL CALL**
- 4. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATION  
(Communication received after agenda distribution for agendized items.)**

**5. 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 off-agenda items unless authorized by law.

**6. CONSENT CALENDAR**

**a.) May 11, 2022 – Regular Commission Meeting Minutes**

The Commission will consider approval of the May 11, 2022 meeting minutes.

**b.) Proposed “Pomeroy Property Detachment from the City of Tustin (CD 20-13)”**

The Commission will consider the proposed detachment of approximately .18 acres from the City of Tustin and, as the responsible agency, review the Notice of Exemption in accordance with the California Environmental Quality Act (CEQA) for the proposed detachment.

**c.) Six-Month Strategic Objectives Update**

The Commission will receive an update on the six-month strategic objectives.

**7. PUBLIC HEARING**

**a.) Proposed “Hamer Island Annexation to the City of Placentia (IA 22-02)”**

The Commission will consider the annexation of approximately 76 acres of unincorporated territory to the City of Placentia and, as the responsible agency, review the Notice of Exemption in accordance with the California Environmental Quality Act (CEQA) for the proposed annexation.

**8. COMMISSION DISCUSSION AND ACTION**

**a.) Legislative Report (June 2022)**

The Commission will receive the quarterly legislative report and consider adopting positions on proposed legislation of LAFCO interest.

**9. 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.

**10. EXECUTIVE OFFICER’S REPORT**

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

**11. INFORMATIONAL ITEMS & ANNOUNCEMENTS**

**a.) 2022 Strategic Planning Workshop**

The Commission will hold its Annual Strategic Planning Workshop on Wednesday, July 13, 2022, 8:30 a.m. to 12:00 p.m., at the County Administration South (CSA) Multipurpose Room, 601 North Ross Street, Santa Ana, CA 92701. **There will be no regular meeting of the Commission during the month of July.**

## 12. CLOSED SESSION

No closed session items scheduled.

## 13. ADJOURNMENT OF REGULAR COMMISSION MEETING

### **PUBLIC PARTICIPATION:**

The Local Agency Formation Commission of Orange County welcomes your participation. The public may share general comments or comments on agenda items through the following options:

- 1) **In-person** comments may be provided during the general comment period on off-agenda items and during the hearing of a specific agenda item. In accordance with the OC LAFCO guidelines, each speaker's comments may not exceed three (3) minutes for the respective item. If you have documents for the Commission, please bring 15 copies and submit to the Commission Clerk for distribution.
- 2) **Written** general comments or comments on specific agenda items may be submitted by email to the Commission Clerk at [ccarter-benjamin@oclafco.org](mailto:ccarter-benjamin@oclafco.org). Comments received no less than twenty-four (24) hours prior to the regular meeting will be distributed to the Commission and included in the record.

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 [www.oclafco.org](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.

### **AMERICANS WITH DISABILITIES ACT (ADA)**

All regular meeting agendas and associated reports are available at [www.oclafco.org](http://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 February 9, 2022

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 (*8:30 a.m. to 12:00 p.m.*)  
**Location:** County Administration South (CSA) Multipurpose Room, 601 North Ross Street, 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, June 7, 2022

7:30 a.m.

### Mailing Address

P.O. Box 20895  
Fountain Valley, CA 92728

### Meeting Location

MWDOC/OCWD  
18700 Ward Street  
Fountain Valley, CA 92708

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

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

### Executive Committee

#### **President**

**Hon. Mark Monin**  
*El Toro Water District*

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

**Hon. Arlene Schafer**  
*Costa Mesa Sanitary District*

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

**Hon. Bob McVicker**  
*Municipal Water District  
Orange County*

#### **3<sup>rd</sup> 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. Saundra Jacobs**  
*Santa Margarita Water District*

### Staff Administration

#### **Heather Baez**

*Municipal Water District of Orange  
County*

#### **Tina Dubuque**

*Municipal Water District of Orange  
County*

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

Join Zoom Meeting

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

Dial by your location

669 900 9128 US (San Jose)

877 853 5247 US Toll-free

888 788 0099 US Toll-free

Meeting ID: 992 8738 4726

## AGENDA

### **I. Welcome, Introductions – 7:30 am**

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

### **II. Approval of Minutes – 7:35 am**

- Approval of May 10, 2022 minutes.

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

### **IV. New Business – 7:45 am**

- Highlights from Governor's May Budget Revision – Zach Bunshaft & Maurice Lyles
- Discussion on Bank Balance Limits – Director Green
- Associate Member Limits and Expectations – President Monin
- ISDOC Quarterly Meeting in-person

### **V. Old Business – 8:00 am**

- ISDOC Website Updates

### **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)**

May 10, 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, 1<sup>st</sup> Vice President (CMSD)  
Bob McVicker, 2<sup>nd</sup> Vice President (MWDOC)  
Brooke Jones, 3<sup>rd</sup> Vice President (YLWD)  
Greg Mills, Secretary (SWD)  
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)  
Alison Martin (YLWD)  
Jim Fisler (Mesa WD)  
Tina Dubuque (MWDOC)  
Kay Havens, Director (ETWD)  
Gavin Orange (LAFCO)  
Alison Martin (YLWD)  
Vicki Osborn (WEROC)  
John Withers (IRWD)  
Stephen Faessel (City of Anaheim)  
Brad Reese (Serrano Water District)  
John Withers (IRWD)  
Chris Palmer (CSDA)  
Bill Morton (Municipal Finance Corporation)  
Paul Mesmer (Surfside CSD)  
Noelani Solomon ???

## II. **Minutes**

A motion was made (Director Schafer), seconded (Director Jacobs), and unanimously carried via roll call vote to approve the minutes of the April 5, 2022 meeting as submitted.

## III. **Public Comments**

- Director Green announced that South Coast Water District approved their new districts.

## IV. **New Business**

- Associate Member Approval: Bill Morton, Municipal Finance Corporation – has been the CSDA lease/purchase finance program consultant since 1998. Director McVicker made a MOTION, and Director Green seconded for Municipal Finance Corporation to become an ISDOC Associate Member.
- ISDOC Bank Accounts: Director Bill Green noted that the ISDOC bank account balance is \$11,829.54. This balance has been consistent for 12 months. Director Green suggested that this money should be put into a short-term investment. Director Monin agreed with this strategy. Director Schafer recommended that Director Green contact Rick Wood, Finance & Administration Director (CSDA). Director Fisler asked that additional options other than investing be reviewed to avoid IRS violations. Director Green concurred with Director Fisler. President Monin requested that Director Green look into all options and noted that this item would be put on June's ISDOC Executive Committee Meeting.
- President Monin solicited input regarding the in-person ISDOC Quarterly Luncheon Meeting. Director Jacobs commented that she would be willing to try in-person meetings again. She offered assistance to Heather Baez in planning that meeting. This item will be put on the June Executive Committee Meeting agenda.

## V. **Old Business**

- There was no old business to discuss.

## VI. **Treasurer's Report – Director Green**

- Director Green reported a balance of \$11,829.54, which represents no change over the last few months.

## VII. **CSDA - Director Schafer**

- Chris Palmer of CSDA reported on Director Schafer's behalf. Legislative Days are next week. GM Summit will take place June 19-21 (San Diego), and Annual Conference is August 22-25 in (Palm Desert). He noted scholarships are available. California Business Roundtable is trying to get signatures on a ballot proposition that would severely limit Special Districts on any fee raising.

VIII. **LAFCO Report – Director Fisler**

- Director Fisler reported that the next meeting is May 11. A public hearing will be conducted to adopt a final budget for approximately \$1.5 million.
- A professional services agreement will be considered with a company called RSG to prepare the Municipal Service Reviews for the Southwest and West regions.
- LAFCO Public Member process appointment will be reviewed.
- There will be updates to the California Environmental Quality Act (CEQA) guidelines
- On June 8, the Strategic Planning Workshop will be held.

IX. **ACWA Report – Director Jacobs**

- Director Jacobs provided an ACWA Spring Conference recap
- ACWA DC Conference is July 12-14 at the Mayflower Hotel in Washington DC

X. **OCCOG**

- President Monin provided information on new Board appointments and changes. He stated AB1845 and other projects were reviewed.

XI. **Orange County Operational Area Report**

- Ms. Vicki Osborn stated that the Urban Area Security initiative updates the threat hazard and risk assessment. This document is updated every three years to go with the state preparedness report.
- WEROC and a couple of water agencies participated in a cyber-security tabletop exercise with the Orange County Intelligence Assessment Center. These exercises will be replicated with the Special Districts over the next year.
- State Association President for the California Emergency Services Association (CESA) spoke with Director CalOES and Region 9 FEMA Regional Administrator regarding tapping into the emergency funding for Special Districts.

XII. **Subcommittee Reports**

- **Programs** – Director Schafer stated that the timing might be suitable to feature the OC Registrar of Voters for the July 28, 2022, ISDOC Quarterly Meeting. John Withers noted that the new Registrar is Bob Page. President Monin, Directors Green, and McVicker agreed the OC Register of Voters would be a timely choice.

Heather Baez suggested that the member spotlight should be a member that has not been highlighted before and for a while. Director Schafer agreed. President Monin noted that the final decision would be made at the June 2022 Executive Meeting on who the member spotlight will be at the July ISDOC Quarterly Meeting.



Director McVicker noted that Orange County Sanitation District would be the Associate Member Spotlight.

- **Membership** – Director McVicker stated that he would invite potential associate member additions to future meetings. Orange County Sanitation District is the proposed guest spotlight speaker for the July meeting.
- **Legislative** – Director Jones reported on various items. He discussed that the Senate seems to be focusing on the Build Back Better issues, Federal Bill HR 2467 (Dingell D-MI). The revised budget is due this month at the state level, fiscal and non-fiscal bills should be completed by May 6, and appropriations committees should have their hearings by May 19. He finished by highlighting the pending State Bills and new bills. Ms. Vicki Osborn asked that the following bills be watched: AB1721 California Emergency Services Act: Emergency Medical Services Mutual Aid Program. Ms. Osborn asked that ISDOC draft an opposed unless amended letter for SB1044 Employers: State Of Emergency Or Emergency Condition: Retaliation.

XIII. **Adjourn:** President Monin thanked the various attendees and staff for their assistance and participation. The next meeting is scheduled for June 7, 2022, at 7:30 a.m. via Zoom. The quarterly meeting is scheduled for July 28 at 11:30 a.m. The meeting was adjourned at 8:29 a.m.

Signed: \_\_\_\_\_



ISDOC Secretary

Date: May 31, 2022



## AGENDA

Friday, June 3, 2022  
7:30 a.m. – 9:00 a.m.

Register in advance:

<https://ocwd.zoom.us/join/9tZ0scugggDsoHNeex5lt5eTWPwtdTjQXizNt>

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

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#### MWDOC:

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 Municipal Water District of OrangeCounty

## 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

Update from the California Department of Fish and Wildlife

Speaker: Charlton “Chuck” Bonham, Director, California Department of Fish and Wildlife

## 6. Adjourn

### **Next WACO Meeting**

Friday, July 8, 2022 at 7:30 a.m. via Zoom

### **Next WACO Planning Committee Meeting**

Tuesday, June 21, 2022 at 7:30 a.m. via Zoom

## **DATES TO REMEMBER**

### **JUNE/JULY 2022**

1. Jun 23 – 2:30 p.m. – SOCWMA Executive Committee Meeting
2. Jun 24 – 12 noon – Pres/VP/GM Meeting
3. Jul 1 – DISTRICT OFFICE CLOSED
4. Jul 4 – Independence Day Holiday – DISTRICT OFFICE CLOSED
5. Jul 5 – 7:30 a.m. – ISDOC Executive Committee Meeting
6. Jul 6 – 8:30 a.m. – MWDOC/MET Directors Workshop
7. Jul 8 – 7:30 a.m. – WACO
8. Jul 8 – 12 noon – Pres/VP/GM Meeting
9. Jul 11 – 8:30 a.m. – MWDOC Planning/Operations Meeting
10. Jul 13 – 8:15 a.m. – LAFCO
11. Jul 13 – 8:30 a.m. – MWDOC Admin/Finance Meeting
12. Jul 14 – 8:30 a.m. – SOCWA Engineering Committee Meeting
13. Jul 15 – DISTRICT OFFICE CLOSED
14. Jul 18 – 9:00 a.m. – Agenda Review Meeting
15. Jul 19 – 7:30 a.m. – WACO Planning Committee Meeting
16. Jul 19 – 10:30 a.m. – SOCWA Finance Committee Meeting
17. Jul 20 – 8:30 a.m. – MWDOC Board Meeting
18. Jul 21 – 10:30 a.m. – MWDOC Managers Meeting
19. Jul 22 – 12 noon – Pres/VP/GM Meeting
20. Jul 25 – 7:30 a.m. – Regular Engineering/Finance Committee Meetings
21. Jul 28 – 7:30 a.m. – Regular Board Meeting
22. Jul 28 – 11:30 a.m. – ISDOC Quarterly Meeting
23. Jul 28 – 12 noon – South County Agencies Meeting
24. Jul 29 – 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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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

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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.

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

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

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

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

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

**Water table:** The top level of water stored underground.

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

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

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

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

**Xeriscape:** Landscaping that requires minimal water.