

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



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



AGENDA
EL TORO WATER DISTRICT
REGULAR MEETING OF THE
BOARD OF DIRECTORS

April 28, 2022

7:30 a.m.

Members of the public who wish to comment on any item within the jurisdiction of the District or on any item on the agenda, 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/85129832780>. (Meeting ID: 851 2983 2780).

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 – Director Vergara

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 March 24, 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. **1985-5 (IV) Travel and Expense Reimbursement Policy** (Reference Material Included)

Staff and the Board will review the District's Travel and Expense Reimbursement Policy.

Recommended Action: Staff recommends no amendments to the Districts Policy Statement 1985-5 (IV) Travel and Expense Reimbursement Policy.

GENERAL MANAGER INFORMATION ITEMS

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

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

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 – April 7, 2022
 - b. SOCWA Special Board Meeting – April 12, 2022
 - c. SOCWA Engineering Committee Meeting – April 14, 2022
 - d. SOCWA Finance Committee Meeting – April 19, 2022
9. **Municipal Water District Of Orange County (MWDOC) Report**
(Reference Material Included)
 - a. MWDOC Planning/Operations Meeting – April 4, 2022
 - b. MWDOC/MET Directors Workshop – April 6, 2022
 - c. MWDOC Elected Officials Forum – April 7, 2022
 - d. MWDOC Admin/Finance Committee Meeting – April 13, 2022
 - e. MWDOC Board Meeting – April 20, 2022
 - f. MWDOC Managers Meeting – April 21, 2022
10. **South Orange County Watershed Management Area (SOCWMA) Reports**
(Reference Material Included)
 - a. Report on the March 31, 2022 Executive Committee meeting
11. **Local Agency Formation Commission (LAFCO) Report**
 - a. Report on the April 13, 2022 meeting
12. **ISDOC Meetings** (Reference Material Included)
 - a. Report on the April 5, 2022 ISDOC Executive Committee meeting

13. **WACO Meetings** (Reference Material Included)
- a. Report on the April 1, 2022 WACO meeting
 - b. Report on the April 19, 2022 WACO Planning Committee meeting

COMMITTEE AND GENERAL INFORMATION

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

COMMENTS REGARDING NON-AGENDA ITEMS

ATTORNEY REPORT

CLOSED SESSION

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

1. Pursuant to Government Code Section 54956.9 (d) (2) to consult with legal counsel and staff – Anticipated Litigation (two matters).

REGULAR SESSION

REPORT ON CLOSED SESSION (Legal Counsel)

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

ADJOURNMENT

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

Request for Disability-Related Modifications or Accommodations

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

MINUTES OF THE REGULAR MEETING
OF THE
BOARD OF DIRECTORS
OF THE
EL TORO WATER DISTRICT
March 24, 2022

President Freshley called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 a.m. on March 24, 2022.

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

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

Director JOSE VERGARA was absent.

Also present were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, JASON HAYDEN, CFO, SCOTT HOPKINS, Operations Superintendent, HANNAH FORD, Engineering Manager, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, GILBERT J. GRANITO, General Counsel, ANDY SELLS, ACWA/JPIA, CATHY GREEN, ACWA/JPIA, ADRIENNE BEATTY, ACWA/JPIA, CAROL MOORE, Laguna Woods Mayor (zoom), SUDHIR PARDIWALA, Raftelis Representative, and POLLY WELSCH, Recording Secretary.

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.

ACWA/JPIA Presentation

Mr. Andy Sells, Chief Executive Officer, Ms. Adrienne Beatty, Assistant Executive Officer, and Ms. Cathy Green, Executive Committee Member, presented the District with a refund check for the District's participation in the safety program, reduction of risks, and staff participation in training classes.

At approximately 7:50 a.m. Mr. Sells, Ms. Beatty, and Ms. Green left the meeting.

Consent Calendar

President Freshley asked for a Motion.

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

Roll Call Vote:

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

Adoption of an Amended Water Shortage Contingency Plan (Appendix H to the ETWD 2022 Urban Water Management Plan)

Mr. Cafferty stated that when the Board approved the Urban Water Management Plan in May, the District's Water Shortage Contingency Plan had 3

levels of shortage which went from 0-20%, 20-40%, and larger than 40%. He further stated that the State has certain mandated shortage levels in 10% increments.

Mr. Cafferty stated that staff updated the Table which explains what actions we might take at each of the different levels. He further stated that in 2015 when the District last updated the Ordinance, it included a clear definition of the Drought Factor which is used as a calculation of our water budget and how it might be implemented.

Mr. Cafferty stated that an Appendix was added to the Ordinance 2015-1, and 2 months after its adoption, changes were made and the Ordinance was adopted again as Ordinance 2015-3 and the Appendix disappeared. He further stated that the Drought Factor is still a defined part of our response actions, so staff has updated the Drought Factor description using current numbers, and added it as an Appendix to the Water Shortage Contingency Plan.

Adoption of ETWD Water Shortage Contingency Response Ordinance 2022-1

Mr. Cafferty stated that the Ordinance is what we are adopting which is a part of the Appendix for the Water Shortage Contingency Plan. He further stated that in 2015 in response to the mandated conservation requirements from the State, the District was required to cut back by 24%, and an Administrative Penalty was added and set at \$2 per unit for customers not meeting their budgets.

Mr. Cafferty stated that the Administrative Penalty has been renamed as the Water Shortage Rate Surcharge, but neither penalty is being implemented

currently. He further stated that in 2015/16, when we were collecting the Administrative Penalty, MET had gone into allocations and there were surcharges for exceeding certain water budgets. However, MWDOC did not enter allocations, which meant we did not pay any penalties, and all of the penalty money that was collected had to be returned.

Vice President Havens asked for clarification on page 193, numbers 3 & 4. Mr. Cafferty replied that our Water Budget Based Tiered Rates have a formula that calculates the indoor budget (Tier 1 at 55 gallons per day per person), which includes a Drought Factor set at 100%. He further stated that there is a similar calculation for Tier 2 outdoor usage.

Mr. Cafferty stated that the Water Shortage Rate Surcharge is a separate and additional tool where we have the ability to enact a surcharge defined in the Ordinance in a range of \$2 - \$10 per billing unit for water used in excess of the Tier 1 and Tier 2 budget. He further stated that this surcharge was what was refunded.

Public Hearing

At approximately 8:05 a.m. President Freshley opened the Public Hearing. Public Hearing Regarding Adoption of an amended Water Shortage Contingency Plan (Appendix H to the ETWD 2022 Urban Water Management Plan)

Ms. Moore asked 1) what is the cost to collect the surcharge and then refund it, and 2) if the State could enact a restriction causing the District to reduce water, and how will it work with recycled water. Mr. Cafferty replied that there was an administrative effort to refund the money, and if there gets to be a

point where the Board decides to implement the surcharge, we would carefully track who has paid it with the anticipation of possibly returning it. He further stated that devoted staff time would be minimal.

Mr. Cafferty stated that mandating reduction of recycled water is unnecessary and financially impactful to agencies that produce recycled water and rely on the revenue to support the cost of installing the recycled water systems.

Public Hearing Regarding Adoption of ETWD Water Shortage Contingency

Response Ordinance 2022-1

There were no comments.

Close Public Hearing

At approximately 8:10 a.m. President Freshley closed the Public Hearing.

Regular Session – Action Items

Resolution No. 22-3-1 Adopting the Amended Water Shortage Contingency Plan

(Appendix H to the ETWD 2022 Urban Water Management Plan)

President Freshley asked for a Motion.

Motion: Director Gaskins made a Motion, seconded by Director Monin and unanimously carried across the Board to approve Resolution No. 22-3-1 which adopts the amended Water Shortage Contingency Plan (Appendix H to the ETWD 2022 Urban Water Management Plan).

Roll Call Vote:

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

Resolution No. 22-3-2 Adopting the ETWD Water Shortage Contingency

Response Ordinance 2022-1

Mr. Cafferty pointed out that there are a few typographical errors in the Ordinance which staff will correct.

President Freshley asked for a Motion.

Motion: Director Monin made a Motion, seconded by Vice President Havens and unanimously carried across the Board to approve Resolution No. 22-3-2 which adopts the ETWD Water Shortage Contingency Response Ordinance 2022-1 subject to the corrections of typographical errors therein.

Roll Call Vote

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

Resolution No. 22-3-3 Declaring a Level 2 Water Shortage

Mr. Cafferty stated that in 2020 the Governor declared a 15% cutback which is challenging given the 24% we had already cutback relative to the 2013 benchmark.

Vice President Havens noted the signage for recycled water throughout the community.

President Freshley asked for a Motion.

Motion: Director Gaskins made a Motion, seconded by Director Monin and unanimously carried across the Board to approve Resolution No. 22-3-3 which adopts the ETWD Water Shortage Contingency Response Ordinance 2022-1.

Roll Call Vote

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

R-2 Reservoir Funds

Mr. Cafferty stated that the grant funds have been awarded, and the Contractor can now proceed with the project.

Attorney Report

Mr. Granito reported that there is a need for a Closed Session as set forth in today's agenda.

Closed Session

At approximately 8:20 a.m. President Freshley stated that the Board will now go into Closed Session. Also at this time, everyone left the meeting except the Board members, General Counsel, the Chief Financial Officer and the General Manager.

Open Session Report

At approximately 9:50 a.m. the Board returned to regular session, and Ms. Cimorell, Ms. Ford, Mr. Hopkins, Ms. Seitz, Ms. Moore, and Ms. Welsch returned to the meeting.

Mr. Granito reported that the Board did go into Closed Session with regards to one matter on today's Closed Session agenda. Mr. Granito further reported that during the Closed Session the General Manager and General Counsel reported on a matter of potential litigation. No reportable action was taken.

Director Reports for Meetings Attended

Director Monin stated that he attended the ISDOC Executive Committee meeting, the MWDOC/MET Director workshop, WACO, the MWDOC Admin/Finance meeting, WACO Planning Committee meeting, Laguna Hills City Council meetings, the Laguna Woods City Council meeting, the South OC Economic Coalition, the regular Board meetings, and will be attending the South Orange County Economic Coalition tomorrow.

Director Gaskins stated that he attended the RRC meeting, the MWDOC/MET Directors workshop, the MWDOC Planning/Operations, the MWDOC Board meeting, the SOCWA Board meeting, WACO, the SOCWA Finance Committee meeting, the OCWA luncheon, the regular Board meetings, and will be attending the South Coast Agencies meeting this afternoon.

Vice President Havens stated that she attended the ISDOC Executive Committee meeting, the MWDOC/MET Directors workshop, the Watershed

Executive Quarterly meeting, WACO, the Pres/VP/GM meetings, TV-6, the MWDOC Planning/Operations meeting, the Agenda Review meeting, a Third Mutual meeting, the MWDOC Board meeting, the OCWA meeting, and the regular Board meetings, WaterReuse meetings, and is considering attending the UCI Water Roundtable on Inclusion.

President Freshley attended the WACO meeting, the RRC meeting, the SOCWA Board meeting, the SOCWA Finance Committee meeting, the SOCWA Special Board meeting, the MWDOC Board meeting, the MWDOC/MET Directors workshop, Pres/VP/GM meetings, Agenda Review, the Laguna Woods City Council meeting, LAFCO, the OCWA luncheon, and the regular Board meetings.

General Manager Action Items

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

Mr. Cafferty stated that Seat B is a 2-year term, and it is time to nominate a candidate for the seat, and the current incumbent is running for re-election. He further stated that, if the Board does not nominate anyone for the seat, there will be no need for a Motion today.

The Board concurred that there will not be a nomination for Seat B, therefore no Motion was taken.

Appointment for the Orange County LAFCO Regular and Alternate Special District Member Seats

Mr. Cafferty stated that the Regular and Alternate Special District Members seats expire June 30, 2022. He further stated that Doug Davert,

current Special District Member and President Freshley current Alternate member are asking to be considered for re-election.

President Freshley asked for a Motion.

Motion: Vice President Havens made a Motion, seconded by Director Monin and unanimously carried across the Board to 1) authorize Director Gaskins to vote in the OC LAFCO Special District Selection Committee election, 2) designate Director Monin as the Alternate voting member, 3) nominating President Freshley for the OC LAFCO Alternate Special District member, and 4) to direct the General Manager to submit the Declaration of Qualification to Vote form and Nomination Form to LAFCO by the April 22, 2022 deadline.

Roll Call Vote

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

General Manager Information Items

COVID-19 Update

There were no comments.

General Manager's Monthly Report

Mr. Cafferty stated that OCWD and MNWD are working to get emergency water from the groundwater basin. He further stated that groundwater producers who don't have storage have raised significant objection to providing water to an agency outside of the basin.

Mr. Cafferty stated that they have gone from calling it an emergency storage program to an emergency supply program, and the study has identified a \$24 million project to build a new well in Santa Ana as well as conveyance facilities to convey water to the East Orange County Feeder #2. He further stated that Santa Ana would operate the well and in an emergency the well could send water to South Orange County, with MNWD being the primary recipient.

Mr. Cafferty stated that they are looking for other interested agencies for this project, but it is only available in the event that MET cannot deliver water to South Orange County.

Mr. Cafferty stated that he asked if the program would activate if the Allen-McColloch Pipeline (AMP) fails and MET is still delivering water to East Orange County Feeder #2. He was told the program would not activate in this scenario, so our District would only receive water through this program in the event of a Diemer failure. He further stated that this project is expensive, costing \$24 million for 14 cfs of water that will only be used in an emergency.

Mr. Cafferty stated that MNWD is happy to participate in the project.

Director Monin asked what is the cost difference in participating in this project compared to the cost of water we get from MET. Mr. Cafferty replied that the project could cost approximately \$13,000 per acre foot, which is significantly higher than MET.

Director Monin asked for clarification of what will be stored in the new warehouse building at the Filter Plant site. Mr. Cafferty replied that it will be

mostly non-daily use equipment, like trailered equipment.

Mr. Cafferty stated that the District received \$617,000 grant funding for the R-2 Reservoir Interior Recoating project.

At approximately 10:20 a.m. Director Monin left the meeting.

Legislative Reports

Director Gaskins stated that AB 1944 and AB 2449 both involve teleconferencing and hybrid meetings and noticing requirements on agendas.

Public Education and Outreach & Water Use Efficiency Reports

Ms. Seitz stated that staff is reaching out to customers to let them know that the moratorium for non-payment is expiring, and shut-off for non-payments will be returning. She further stated that we will also inform customers about the arrearages program and how it will affect their delinquent bills.

Ms. Seitz stated that the newsletter is going out shortly which will include the notice of a Level 2 shortage.

Ms. Seitz stated that Vice President Havens was on TV-6 in March, and President Freshley will be speaking next month. She further stated that Mr. Cafferty spoke at the LWV Third Mutual Board meeting on Water Supply Conditions and Water Conservation.

Ms. Seitz stated that staff will speak at the LWV Third Mutual Gate 11 meeting on April 12th on Water Supply Conditions and Water Conservation.

Ms. Seitz stated that the Wyland Foundation delivered the Stella whale to the Laguna Woods Art Association, and a group of 6 artists completed the project over the weekend.

Ms. Seitz stated that the Department of Education's Outdoor department is reaching out to El Toro High School to invite them to participate in the campaign for student groups, and we are waiting for confirmation.

Ms. Seitz stated that ETWD will staff a booth at the LWV Concerned Citizens Earth Day event on Thursday, April 21st in Clubhouse 1.

Ms. Seitz stated that ETWD will staff a booth at the City of Mission Viejo's Earth Day/Arbor Day Celebration on April 23rd on Oso Creek Trail.

Ms. Seitz stated that ETWD is sponsoring the table centerpieces for the Lake Forest Chamber of Commerce's State of the City & Meet the Mayor event on April 26th.

Ms. Seitz stated that Director Monin spoke to Sergio from the County and they are having a State of the District event on May 5th at the Laguna Niguel Community Center and they are looking for sponsors and offer 3 levels of sponsorship; table of 8 guests for \$750, gold level at \$1,200 which includes 2 guest tickets, a \$3,000 sponsorship, and a \$6,000 sponsorship.

After discussion and due to scheduling conflicts, the Board decided not to participate in this event.

Ms. Seitz is also checking into the "adopt a creek" cleanup program and will retrieve additional information for the Board.

SOCWA Reports

Ms. Ford stated that at the Engineering meeting there was nothing related to our project committees. SOCWA did provide updated capital requirements that will be reflected in the District's 5-Year Capital Replacement

and Refurbishment Program budgeting.

President Freshley stated that at the Special Board meeting there was a presentation by MNWD and SMWD on the JPA Agreement Draft Withdrawal Provisions.

President Freshley stated that IRWD made a presentation relative to the agreement where it won't cost anyone else anything. Mr. Cafferty stated that the IRWD withdrawal could result in slightly increased costs to the remaining agencies when SOCWA allocates the General Fund portion of their Administrative Costs to 8 agencies instead of 10.

Mr. Cafferty stated that at the Finance meeting they discussed budget.

MWDOC Reports

Vice President Havens stated that Reserves were discussed at the MWDOC meetings.

Mr. Cafferty stated that at the MWDOC Managers meeting while discussing the budget they identified approximately \$1 million of their Tier 2 Reserves that they are planning to return by applying it as bill credit in the next fiscal year which will offset the impact of their rate increase.

SOCWMA Reports

Vice President Havens stated that there was discussion on AB 361, meeting sites, dates for upcoming meetings, and Aliso Creek restoration.

LAFCO

President Freshley stated that discussion was focused on the budget and drawing down Reserves.

ISDOC

Director Monin stated that the ISDOC elections are coming up, and the bylaws state the need for only 1 quarterly meeting for the election. He further stated that they also discussed their website, and having the quarterly luncheons in person.

WACO

Director Monin stated that Jose Solario and Joe Yum from the California Water Commission gave a presentation of the California Water Commission.

COMMITTEE AND GENERAL INFORMATION

Dates to Remember for March/April

There were no comments.

Comments Regarding Non-Agenda Items

Vice President Havens stated that we should support Director Dick for promoting WEROC everywhere he goes and soliciting funding.

Adjournment

There being no further business to come before the Board, the meeting was adjourned at 11:10 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

Prepared by: Staff	EL TORO WATER DISTRICT POLICY STATEMENT 1985-5 (IV) TRAVEL AND EXPENSE REIMBURSEMENT POLICY	Page 1 of 14 Item 4 Section IV
Approved by: Board of Directors		Date: 9-26-19 Revision: 15

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Superseded by Resolution: 97-07-2	Date: 07/31/97
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Prepared by: Board	EL TORO WATER DISTRICT POLICY STATEMENT 1985-5 (IV)	Page 2 of 14 Item 4 Section IV
Approved by: Board of Directors		Date: 9/26/19 Revision: 15

TRAVEL AND EXPENSE REIMBURSEMENT POLICY
FOR EMPLOYEES

I. PURPOSE

To advance training and professionalism, the El Toro Water District (District) encourages and authorizes attendance at various schools, seminars and conferences by its employees. Employees may also be required to travel both in and outside the state to conduct official District business. The purpose of this travel and expense policy is to furnish rules, guidelines, and procedures for governing reimbursement for travel expenses, and to establish certain procedures concerning travel authorization, documentation, and accounting. The District's objectives are to allow travel arrangements, and activities for its employees that conserve District funds and that have a significant and meaningful link to the purposes, policies, and interests of the District.

"Travel" shall mean attendance at meetings, conferences, or other functions on District business at other than the employee's headquarters. Employees shall not be in travel status to the extent that they travel to perform job assignments related to District facilities within designated service or maintenance areas unless it is overnight.

II. AUTHORIZATION FOR TRAVEL

Employees, if authorized by their supervisors, may travel anywhere within Orange County to carry out their assignments.

Other travel on District business by employees shall be undertaken only with the prior approval of the General Manager, or the Assistant General Manager.

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Approved by: Board of Directors	POLICY STATEMENT 1985-5 (IV)	Date: 9/26/19 Revision: 15

TRAVEL AND EXPENSE REIMBURSEMENT POLICY
FOR EMPLOYEES
(Continued)

III TRAVEL ARRANGEMENTS

To ensure the accuracy of travel arrangements and compliance with District policy, all employees will be required to complete all the appropriate travel forms. The forms will then be submitted to the Board Secretary or designee for processing.

Employees traveling on District business may make all travel arrangements and registrations through the Board Secretary or designee. All such payment and registration requests must be submitted in a timely manner to allow sufficient time for normal processing.

IV. POLICY

1. Employees are expected to exercise good judgment and a proper regard for economy in incurring expenses.
2. When required, the District will prepay airfares, lodging costs and conference registration fees. All such payment requests must allow sufficient time for normal processing and approval prior to payment.
3. When traveling on official District business, employees are encouraged to utilize their personal credit cards and/or cash for all expenses, and then to request reimbursement for such expense. However, in circumstances where the use of such credit cards and/or cash is deemed impractical, and where the total expense is expected to exceed fifty (\$50.00), the District may provide an advance of funds. Such advance shall not exceed one hundred percent (100%) for the total estimated expense.
4. Within ten (10) working days after completion of a trip, a travel expense report should be submitted to the Board Secretary or designee.

Prepared by: Board	EL TORO WATER DISTRICT	Page 4 of 14 Item 4 Section IV
Approved by: Board of Directors	POLICY STATEMENT 1985-5 (IV)	Date: 9/26/19 Revision: 15
<p style="text-align: center;">TRAVEL AND EXPENSE REIMBURSEMENT POLICY FOR EMPLOYEES (Continued)</p> <p>5. Paid receipts for lodging, rail or airfares and conference registration fees are required if such expenses have been incurred. All other receipts received in the normal course of business shall also be attached.</p> <p>6. There is no objection to an employee's spouse and/or other family member accompanying them on an official trip, provided that their presence does not detract from the employee's performance of duty. However, the District will not reimburse any expenses attributable to any companion.</p> <p>7. In any situation where extraordinary travel expenses are expected to be incurred, or where this Policy does not adequately cover the situation or would result in an undue hardship, exceptions may be made with prior approval.</p> <p>8. An employee may use any mode of transportation, designated or approved, including airline, railroad, bus or automobile. Reimbursement will be based on the following paragraphs.</p> <p style="padding-left: 40px;">A. Travel shall be by the most direct route. If an indirect route is used, the additional costs shall be at the employee's personal expense. Whenever air travel is used, an advance travel request shall be submitted to the Board Secretary or designee in order to obtain the lowest possible fare.</p> <p style="padding-left: 40px;">B. Air travel reimbursement shall be limited to economy fares including all applicable fee charges and taxes where such service is available. Travel to and from airports shall be by the most cost effective method.</p>		

Prepared by: Board	EL TORO WATER DISTRICT	Page 5 of 14 Item 4 Section IV
Approved by: Board of Directors	POLICY STATEMENT 1985-5 (IV)	Date: 9/26/19 Revision: 15
<p style="text-align: center;">TRAVEL AND EXPENSE REIMBURSEMENT POLICY FOR EMPLOYEES</p> <p>C. Reimbursement for the use of private cars, except those receiving a car allowance, shall be at the rate as established by the Internal Revenue Services (IRS). Mileage reimbursement shall be limited to the economy fare for air travel. Parking charges at the destination will be reimbursed in accordance with the provisions of this policy.</p> <p>D. Reimbursement for the use of rental cars will be allowed only when such use has been approved in advance. Maximum reimbursement for car rental will be for a full-size car.</p> <p>E. Travel in District vehicles may be approved when circumstances warrant it. When traveling in a District vehicle, receipts shall be secured for the purchase of gas, oil, and other supplies necessary en-route. These amounts shall be shown on the expense report with a notation that a District vehicle was used, indicating the District unit number, the license plate number and make of the vehicle. The amount of the charge shall be typed opposite the transportation category.</p> <p style="padding-left: 40px;">If emergency repairs are necessary, they shall be paid for by the person to whom the car is assigned. All receipts for such payments must be furnished in order to obtain reimbursement.</p> <p>F. It is expected that hotel and motel reservations will be made in advance whenever possible, and that lodging will be secured at rates considered reasonable for the particular destination. "Government rates" or "commercial rates" shall be requested at hotels and motels offering these discounts.</p>		

Prepared by: Board	EL TORO WATER DISTRICT	Page 6 of 14 Item 4 Section IV
Approved by: Board	1985-5 (IV)	Date: 9/26/19 Revision: 15
<p style="text-align: center;">TRAVEL AND EXPENSE REIMBURSEMENT POLICY FOR EMPLOYEES (Continued)</p> <p>G. Reimbursement for lodging shall be limited to the minimum number of nights required to conduct the assigned District business. If an employee chooses to arrive earlier or stay later, the additional lodging and other expenses related to this decision will be the employee's personal expense.</p> <p>H. Generally, an employee shall not use lodging unless the destination is a 75-mile or more drive from the District's Administration Office or unless there is a very early or late official meeting that could justify the employee staying overnight at the destination.</p> <p>I. Any room service charges appearing on the hotel bill shall be deducted from the bill and reimbursed in accordance with the provisions of this policy.</p> <p>J. Local and long distance telephone and computer access charges will be reimbursed when such charges are incurred in conducting official District business or making essential personal calls such as a "safe arrival call." Charges will be shown on a separate line of the travel expense report and shall, therefore, be deducted from the hotel bill.</p> <p>K. When meals are associated with employee travel the following policies and procedures will apply:</p> <p style="margin-left: 40px;">i. Maximum allowance to cover meals, including meal tips, will be provided as follows:</p> <div style="margin-left: 120px;"> <p>Breakfast \$15.00</p> <p>Lunch \$20.00</p> <p>Dinner \$30.00</p> </div>		

Prepared by: Board	EL TORO WATER DISTRICT	Page 7 of 14 Item 4 Section IV
Approved by: Board of Directors	POLICY STATEMENT 1985-5 (IV)	Date: 9/26/19 Revision: 15
<p style="text-align: center;">TRAVEL AND EXPENSE REIMBURSEMENT POLICY FOR EMPLOYEES (Continued)</p> <p>Under certain meeting or conference circumstances the maximum meal allowance may not be sufficient. In such cases, the General Manager has the authority to review and, if deemed appropriate, may approve the expenditure. Under similar instances involving the General Manager, the President of the Board of Directors shall review and, if deemed appropriate, may approve the expenditure.</p> <p>ii. No reimbursement shall be made for meals, other than during travel, without prior approval.</p> <p>iii. No reimbursement shall be made for alcohol at any time.</p> <p>iv. For travel that requires less than a full day, and for the day of departure and day of return on longer trips, the above amounts will be allowed for the meals actually required. All meal allowances shall be entered on the appropriate lines of the Travel Expense Report, with receipt(s) attached.</p> <p>v. When conference, seminar or school registration fees include one or more meals, or where individual meals are otherwise provided, no amount shall be entered for this meal on the travel expense form.</p> <p>vi. Paid, itemized receipts for meals, in addition to any credit card receipts, are required if meal expenses have been incurred.</p> <p>L. At times when other expenses associated with travel are required, employees will be reimbursed for all business expenses necessary to conduct the assigned District business. Examples include, but are not limited to the following:</p> <p>i. Airport parking charges when air travel is used.</p>		

Prepared by: Board	EL TORO WATER DISTRICT	Page 8 of 14 Item 4 Section IV
Approved by: Board of Directors	POLICY STATEMENT 1985-5 (IV)	Date: 9/26/19 Revision: 15
<p style="text-align: center;">TRAVEL AND EXPENSE REIMBURSEMENT POLICY FOR EMPLOYEES (Continued)</p> <ul style="list-style-type: none"> ii. Parking charges at the destination hotel or garage when transportation is by private or rental car. iii. Airport bus/shuttle, or taxi fares where free airport bus/shuttle service is not available. iv. Conference, seminar or school registration fees. v. Local transportation (only as required for official District business). vi. A reasonable amount will be allowed for baggage handling, laundry and dry cleaning for employees attending a conference or school of more than one week in length. All receipts for such expense must be submitted with the travel expense report. vii. No reimbursement will be made for personal expenses such as newspapers, magazines, haircuts, shoeshines, excessive personal telephone calls, taxi fares to and from restaurants, and other personal expenses. 		

Prepared by: Staff/General Counsel	EL TORO WATER DISTRICT POLICY STATEMENT DIRECTOR TRAVEL AND EXPENSE REIMBURSEMENT 1985-5 (IV)	Page 9 of 14 Item 4 Section IV
Approved by: Board		Date: 9/26/19 Rev. 15
I. <u>PURPOSE</u>		
<p>To advance training and professionalism, El Toro Water District (District) encourages and, with prior approval by the Board, authorizes attendance at conferences (i.e. ACWA, CSDA, WaterReuse, CASA) by its Board members (Directors). Directors may be required to travel both in and outside the state to conduct official District business. This policy is to furnish guidelines for reimbursement for travel expenses and to establish certain procedures concerning travel authorization and documentation.</p>		
<p>Members of the Board of Directors are encouraged to attend, with prior approval by the Board or the Board President, educational conferences and professional meetings when the purposes of such activities are to benefit the El Toro Water District. In addition, subject to prior approval of the Board or the Board President, the District encourages Directors development and excellence of performance by reimbursing expenses incurred for tuition, travel, lodging and meals as a result of training, educational courses and participation with professional organizations, associated with the interests of the District.</p>		
<p>This Policy will be reviewed annually by the entire Board of Directors at a regular monthly meeting of the Board.</p>		
II. <u>GOVERNANCE</u>		
<p>The District shall adhere to Government Code Sections 53232 through 53232.4 when dealing with issues of Director remuneration and reimbursement.</p>		

Prepared by: Staff/General Counsel	<p style="text-align: center;">EL TORO WATER DISTRICT</p> <p style="text-align: center;">POLICY STATEMENT</p> <p style="text-align: center;">DIRECTOR TRAVEL AND EXPENSE</p> <p style="text-align: center;">REIMBURSEMENT</p> <p style="text-align: center;">1985-5 (IV)</p>	Page 10 of 14 Item 4 Section IV
Approved by: Board of Directors		Date: 9/26/19 Rev. 15

III. AUTHORIZED EVENTS

Subject to the District's enabling statutes, attendance at the following qualifies a Director to be eligible to receive compensation.

- A. A conference or organized educational activity conducted in compliance with Government Code Section 54952.2(c), including but not limited to ethics training required by Government Code Section 53234.
- B. Official business representing the District.

IV AUTHORIZED EXPENSES

- A. Reimbursement rates shall coincide with rates set by Internal Revenue Service Publication 463 or its successor publication(s).
- B. If lodging is in connection with the above or other prior approved event, such lodging costs shall not exceed the maximum group rate published by the conference or activity sponsor. If the published group rate is unavailable, Directors shall be reimbursed for comparable lodging at government or IRS rates.
- C. Reimbursement for lodging shall be limited to the minimum number of nights required for the Director's attendance at the event. Charges for local and long distance telephone calls and computer access will be reimbursed when such calls are made in conducting official District business or essential personal calls such as a "safe arrival call". There will be no reimbursement for personal telephone calls or other hotel charges not related to District business needs.
- D. A Director's spouse or other family member(s) may accompany the Director on trips authorized under this policy provided that their presence does not detract from the Director's performance of duty. However, no expenses attributable to any companion will be reimbursed by the District.

Prepared by: Staff/General Counsel	EL TORO WATER DISTRICT POLICY STATEMENT DIRECTOR TRAVEL AND EXPENSE REIMBURSEMENT 1985-5 (IV)	Page11 of 14 Item 4 Section IV
Approved by: Board of Directors		Date: 9/26/19 Rev. 15
<p>E. If travel and lodging is in connection with the above or other prior approved event, Directors shall use government or group rates offered by the provider of transportation when available.</p> <p>F. If transportation is by commercial airline, reimbursement shall generally not exceed the standard round-trip airline economy airfare in effect at the time.</p> <p>G. Travel shall be by the most direct route. If an indirect route is used, the additional costs shall be at the Director's personal expense. Whenever air travel is used, an advance travel request shall be submitted to the Board Recording Secretary in order to obtain the lowest possible fare.</p> <p>H. If the use of the Director's personal automobile is required, the owner will be compensated for the mileage driven at the rate established by the Internal Revenue Service (IRS). Parking charges at the destination will be reimbursed with a receipt.</p> <p>I. Maximum reimbursement for car rental will be for a full-size car.</p> <p>J. Reimbursement for meals (including tips) during travel to, from and during the event, not included in the registration fee shall be limited to the minimum number of days required for attending the event.</p> <p>K. Any and all expenses that do not fall within the adopted travel reimbursement policy or the IRS reimbursable rates are required to be approved by the District's Board of Directors in a public meeting prior to the expenses being incurred.</p> <p>L. Expenses that do not adhere to the adopted travel reimbursement policy or the IRS reimbursable rates, and that do not receive prior approval from the District's Board of Directors in a public meeting prior to the expense being incurred, shall not be eligible for reimbursement.</p>		

Prepared by: Staff/General Counsel	<p style="text-align: center;">EL TORO WATER DISTRICT</p> <p style="text-align: center;">POLICY STATEMENT</p> <p style="text-align: center;">DIRECTOR TRAVEL AND EXPENSE</p> <p style="text-align: center;">REIMBURSEMENT</p> <p style="text-align: center;">1985-5 (IV)</p>	Page 12 of 14 Item 4 Section IV
Approved by: Board of Directors		Date: 9/26/19 Rev. 15

AUTHORIZED EXPENSES (Continued)

- M. *Expenses in General and Registration* - Authorized expenses may include registration, lodging, communication (telephone, computers, fax), business meals, common carrier fares, automobile rentals, parking fees, and use of personal automobiles at the standard mileage rate permitted at the time by the Internal Revenue Service.

V. **REIMBURSEMENT**

- A. The District shall provide expense reimbursement report forms to Directors who attend the above functions on behalf of the District, which shall document that expenses adhere to this policy.
- B. Except when customarily no receipts are provided or available (i.e. baggage handling), receipts are required to be submitted in conjunction with the expense report form. Failure to submit necessary receipts will result in denial of the reimbursement claim.
- C. Directors attending functions consistent with the above or other prior approved events shall submit written or oral reports to the District on the meeting(s) that were attended.
- D. It is against the law to falsify expense reports. Penalties for misuse of public resources or violating this policy may include, but are not limited to, the following:
- (A) The loss of reimbursement privileges;
 - (B) Restitution to the District;
 - (C) Civil penalties for misuse of public resources pursuant to Government Code Section 8314; and
 - (D) Prosecution for misuse of public resources, pursuant to Section 424 of the Penal Code, penalties for which include 2, 3 or 4 years in prison.

Prepared by: Staff/General Counsel	<p style="text-align: center;">EL TORO WATER DISTRICT</p> <p style="text-align: center;">POLICY STATEMENT</p> <p style="text-align: center;">DIRECTOR TRAVEL AND EXPENSE</p> <p style="text-align: center;">REIMBURSEMENT</p> <p style="text-align: center;">1985-5 (IV)</p>	Page 13 of 14 Item 4 Section IV
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VI. TRAVEL ARRANGEMENTS

- A. To ensure the accuracy of travel arrangements, Directors are to complete and sign the appropriate travel forms and submit them to the Board Recording Secretary or designee for processing per attachment ("A").
- B. Travel arrangements and registrations are to be made through the Board Recording Secretary. All payment and registration requests must be submitted in a timely manner to allow sufficient time for normal processing.
- C. Once the appropriate travel requests have been submitted and processed, a Travel Order (Attachment "B") authorizing the travel and attendance will be sent to the Director.

VII. GENERAL PROVISIONS

- A. All costs, including those pre-paid by the District prior to the Director's attendance at an approved meeting, will be listed on the Director's expense report at the end of the month in which the expenses were incurred, and wherever possible, must be substantiated with a receipt attached to the expense report.
- B. Travel related expenses for each Director are limited to \$7,000 per fiscal year. Unused portions of the Director's annual budget for this purpose cannot be carried over to a subsequent budget period. No further reimbursements will be made to any Director if their travel related expenses reach the \$7,000 limit in any fiscal year.
- C. In any situation where extraordinary travel expenses is expected to be incurred, or where this Policy does not adequately cover the situation, or would work an undue hardship, exceptions may be made with prior approval of the Board President and General Manager.

Prepared by: Staff/General Counsel	<p style="text-align: center;">EL TORO WATER DISTRICT</p> <p style="text-align: center;">POLICY STATEMENT</p> <p style="text-align: center;">DIRECTOR TRAVEL AND EXPENSE</p> <p style="text-align: center;">REIMBURSEMENT</p> <p style="text-align: center;">1985-5 (IV)</p>	Page 14 of 14 Item 4 Section IV
Approved by: Board of Directors		Date: 9/26/19 Rev. 15

GENERAL PROVISIONS (Continued)

- D. Directors will submit their Travel Expense Claim Form for reimbursement to the District office within the first week, if possible of each month for the prior month's expenses. The Board President, General Manager or designated representative will approve and sign the Claim Form before request for payment can be processed. The Board President's Claim Form shall be approved by the General Manager or Assistant General Manager.

- E. When a Director is obtaining authorization for travel and is aware that the circumstances are such that the charges should not be made against their annual budget, they may request authorization from the Board of Directors or President of the Board that the charges for this activity not be charged against their annual budget.



STAFF REPORT

To: Board of Directors

Meeting Date: April 28, 2022

From: Dennis Cafferty, General Manager

Subject: COVID-19 Update

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

The reduction of COVID impacts in Orange County has continued over the last month. The most recent seven day average daily case rate was reported to be 4.6 per 100,000 slightly less than the 4.9 figure reported a month ago. As of April 18 hospitalizations in the County continued to decline from 137 on March 16 to 60 with a decrease in the ICUs from 27 to 10. The disparity between the severity of the current status of the pandemic between vaccinated people and people not fully vaccinated remains apparent as 84% of hospitalized persons and 86% of the ICU admissions are unvaccinated.

Through April 19, 201,000 people in Orange County have received their first vaccine dose and another 2.16 million people have received both the first and second dose. In addition, 141,000 people have received the single dose Johnson and Johnson vaccine. Approximately 2.3 million people in Orange County are now fully vaccinated representing approximately 72% of Orange County Residents. In addition, if all the persons that have received the first dose complete the process, the percentage of vaccinated Orange County residents will rise to nearly 78%. Approximately 1.27 million Orange County residents have received the booster dose as well. As the perception of the severity of the pandemic has declined, vaccination rates are growing at a much slower rate. Approximately 10,000 Orange County residents have been vaccinated in the past month.

As of April 18, approximately 28.3 million people in the State of California are fully vaccinated representing approximately 75% of the State population with approximately 84% receiving at least one dose.

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

Customer Billing – Staff has received a check for funding under the California Water and Wastewater Arrearage Payment Program for water in the amount of \$53,591. Staff submitted an application to the wastewater arrearage program in the amount of \$26,518.

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 have been reminded to follow all of the District's requirements and protocols. The State mandate for indoor masking has been lifted for all ETWD employees. Staff is monitoring State and local health officials as well as OSHA for further modifications.
- **Vaccination** – The District's employees have been advised of their eligibility and encouraged to consider vaccination. Approximately 68% of the District's staff have provided documentation of vaccination to Human Resources. 12 ETWD employees (20%) have documented they have received the COVID vaccine booster.

GENERAL MANAGER'S REPORT

April 2022

I. OFFICE OF THE GENERAL MANAGER

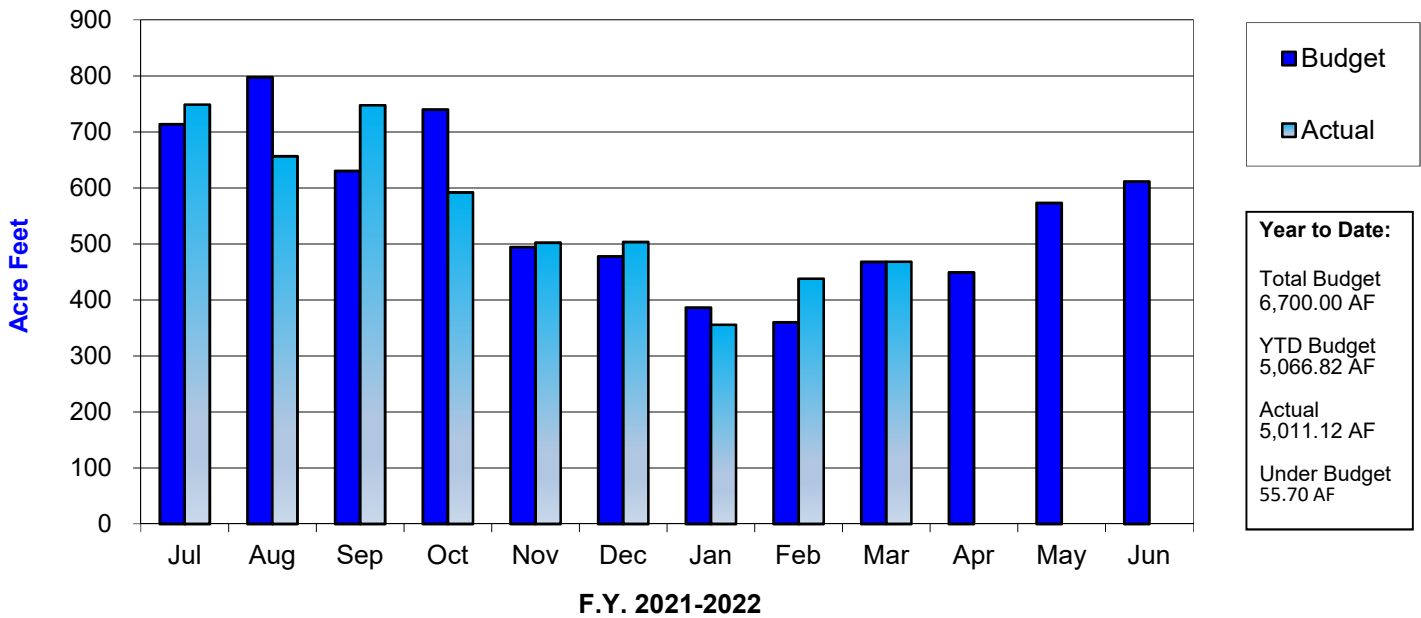
- Attended South Orange County Agencies Group Meeting
- Attended Meetings with MWDOC to Discuss LRP Agreement Amendment
- Attended SOCWA Finance Committee Meetings
- Attended ETWD JTM Pump and Pre-purchase Package Meeting
- Attended ETWD NHA Advisors Meeting
- Attended ETWD Pres/VP/GM Meetings
- Attended Meetings with JKA Architects to Discuss Potential Board Room Expansion
- Attended East Orange County Feeder #2 Meeting
- Attended Asset Management Meeting with Carollo
- Attended Asset Management Meeting with Black & Veatch
- Attended Asset Management Meeting with Irvine Ranch Water District
- Attended ETWD RRC Meeting
- Attended MWDOC/MET Directors Workshop
- Attended SOCWA Board Meeting
- Attended MWDOC Elected Officials Forum
- Attended MWDOC Planning & Operations Committee Meeting
- Attended MWDOC Administration & Finance Committee Meeting
- Attended MWDOC Board Meeting
- Attended MWDOC / OCWD Joint Planning Committee Meeting
- Attended MET Diemer Shutdown Planning Meeting
- Attended SOCWA Ad Hoc Task Force Meeting
- Attended City of Lake Forest State of the City Meeting
- Attended ACWA Pam Tobin / Cathy Green Reception
- Attended ETWD All Employee Meeting
- Attended ETWD Agenda Review Meeting
- Attended ETWD Rules and Regulations Update Meeting
- Attended ETWD Budget Committee #1 Meeting
- Attended Meeting with Brady Regarding Filter Plant Project Update
- Attended OCWA Webinar
- Attended City of Laguna Woods Earth Day Speaker Series
- Attended ETWD Engineering and Finance & Insurance Committee Meeting
- Attended ETWD Board Meeting

II. DOMESTIC AND RECYCLED WATER SALES

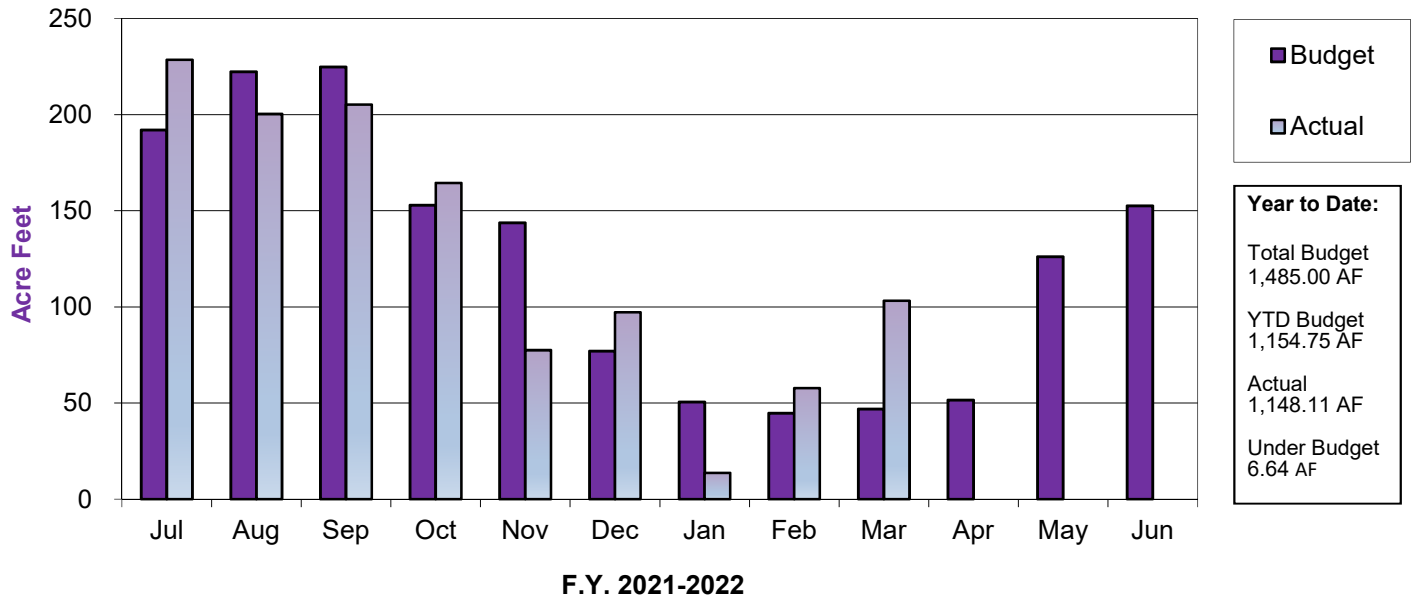
Actual domestic sales for the year-to-date as of March 31, 2022 are 5,011.12 acre-feet. This compares to year-to-date budgeted domestic sales of 5,066.82 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 55.70 acre-feet. Actual sales are 386.04 acre-feet lower than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of March 31, 2022 are 1,148.11 acre-feet. This compares to year-to-date budgeted recycled sales of 1,154.75 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 6.64 acre-feet. Actual sales are 23.13 acre-feet higher than last year-to-date actual sales for the same period.

POTABLE WATER SALES



RECYCLED WATER SALES



Customer Service Activity Report

Regular Service Calls	MAR 2022	MAR 2021	Telephone Calls	MAR 2022	MAR 2021
Serviceman Dispatched to Read, Connect/Disconnect Service	75	74	Change of Service: Connections and Disconnections	68	86
Field Investigations:			Billing / Payments & Graph Inquires	134	191
Check for leaks - calls to CS			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	11	12
Office:(irrigation,meter,street leaks)					
Customer Responsible	12	9			
District Responsible	8	8	Variance / Adjustment Inquiries	16	20
None found/other	6	4	Variance / Adjustment Requests Processed	8	9
High Reads Checked - High Consumption (Billing Dept.)	20	15	Ordinance Infraction / Water Waste Complaints	0	1
Cust Leaks: _11_ No Leaks: _9_					
Check Stopped Slowed Meters-Low Consumption (Billing)	18	14	Outside Utility Districts	33	74
Re-Check Read	11	2	Phone calls Transfer to other Departments within ETWD	44	62
Ordinance Infraction	1	0	Phone calls for the Board of Directors	1	1
Recycled Water	0	0	Recycled Water	0	0
Water Quality: Taste / Odor / Color	2	4	Water Quality Taste - Odor - Color	0	4
Phone response: _1_ Field response: _1_			Leaks / Breaks	6	15
Flooding (Hydrant) Meters issued	3	1	Flooding Meter calls (Hydrant)	3	4
Sewer - Odor/Stoppage/ Manhole Covers	3	5	Sewer Problems (odor / spills)	1	4
Meter Box: Lids / Covers Replaced	15	19			
Meter Box Clean, Digout	7	8	Backflow / Cross Connection (questions or yearly testing forms)	0	0
			ETWD facilities inquiries:		
Raised Meter Box	4	1	Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	9	18
Trim Bushes / Meter Obstruction	10	27			
General Maintenance Response	2	4	Tyco (ADT) Calls (Alarms to ETWD facilities)	1	4
Fire Hydrants: Hit / Leaks / Caps	0	2	ATT Calls (access to tower sites)	0	0
Pressure(psi) Checks / Reads	1	4	SCE Calls (access to tower sites)	1	0
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	5	5	Pager Calls specifically for Pump Stations - SCADA	0	0
AMS angle-meter-stop replace/repair	1	0			
Bees Removed	4	0			
Backflow / Cross Connection	0	8	Payment Extensions	1	1
			Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)		
Fogged Registers	0	62		219	185
			Return Calls from customers left on our voice mail system. Ext 500	12	7
OMCOP: Old Meter Change - Out Program	2	4	Email Correspondence:	95	135
Other: (uncommon non-maintenance calls)	5	4	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	13	7
On-Call After Hrs. CS Response	12	13	Misc. (other: employment, deliveries, sales calls)	28	33
# 48/24 Hr. Door Hangers Hung	0	0	Payment Processing Fee Complaints	0	0
# Locked Off For Non-Pay (Disconnect)	0	0			
Removed Meter	0	0			
New Meter	0	4			
Unread Meters	6	2			
Total Field Investigations	233	303	Total Telephone Calls	704	873
Uncollectible Accounts:			Credit Card Payments	MAR 2022	MAR 2021
Budget YTD	\$15,000.00	\$ 15,000.00	REGULAR	1,042 \$168,018.80	943 \$99,973.49
Actual YTD	\$ 1,199.00	\$ 11,561.00			

(WRP) Tertiary Treatment Plant

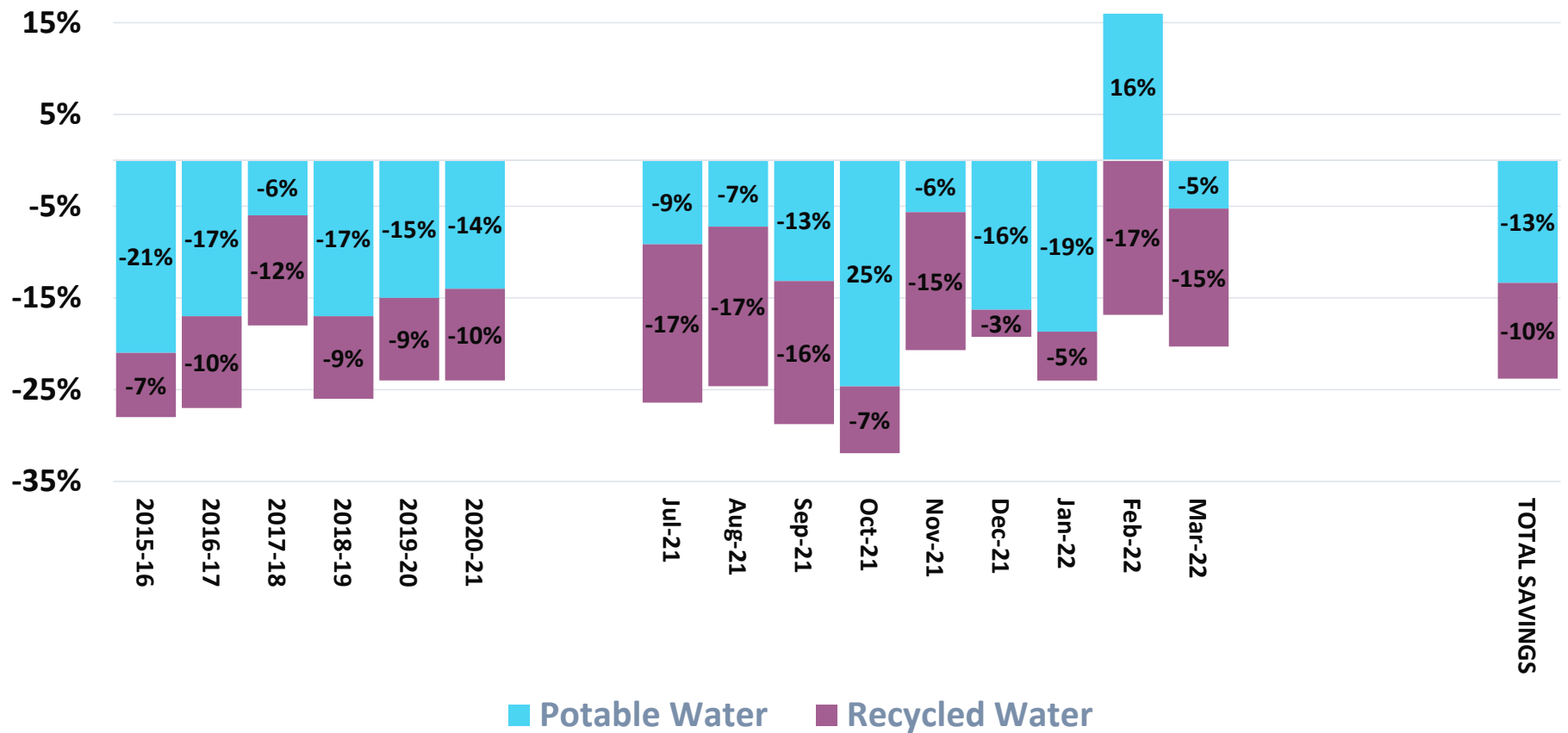
March-22

Total Recycled Water Production

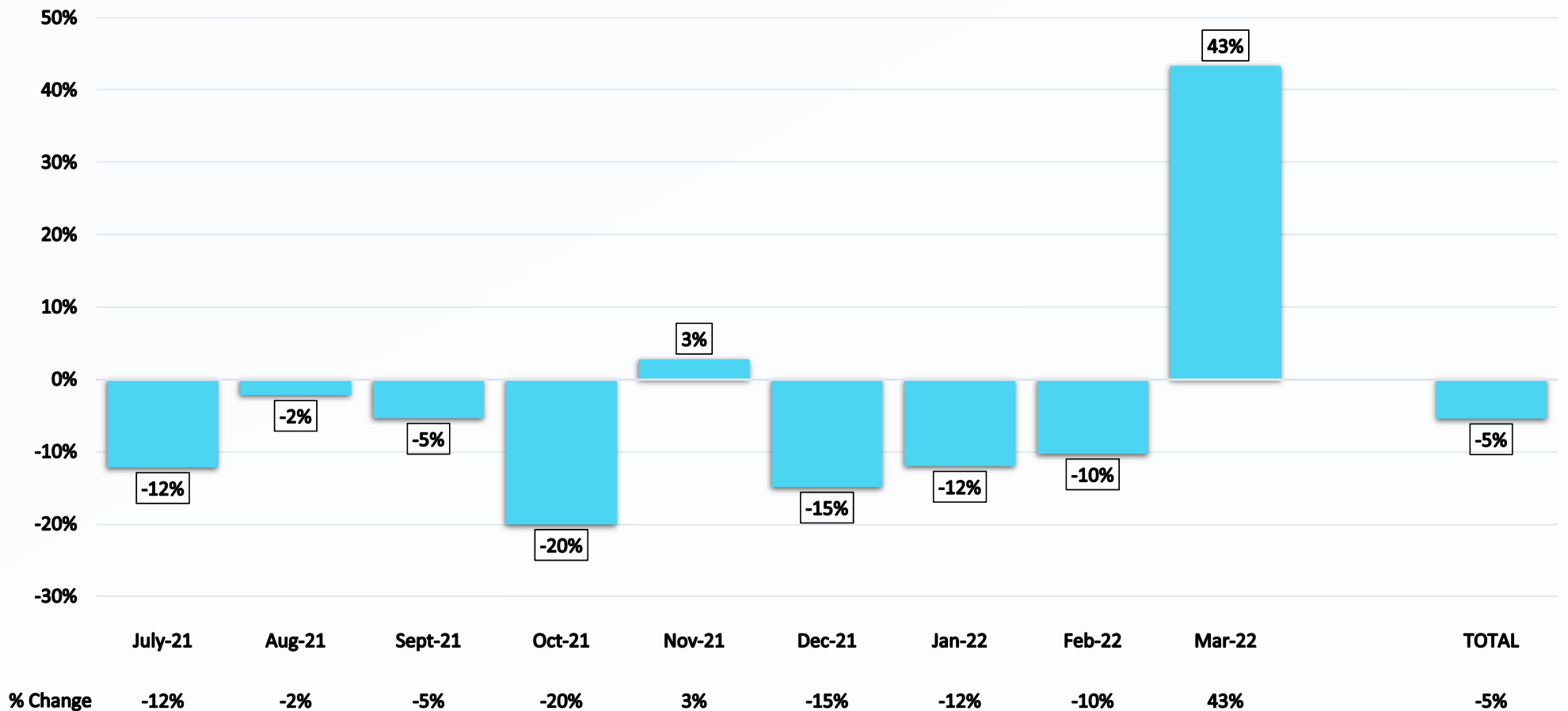
"Corrected"

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q, MGD	0.273	1.164	0.047	1.484
Total Q, MG	7.468	36.082	1.451	45.001
Total Acre Feet	22.918	110.732	4.453	138.103
]				
* Note: A total of 2,484,190 gallons of potable make-up water was used to supplement				
the recycled water demand for the month of March.				

ETWD WATER USAGE COMPARED TO 2013



ETWD WATER USAGE COMPARED TO 2020



March 2022



CHLORINE RESIDUAL MONITORING

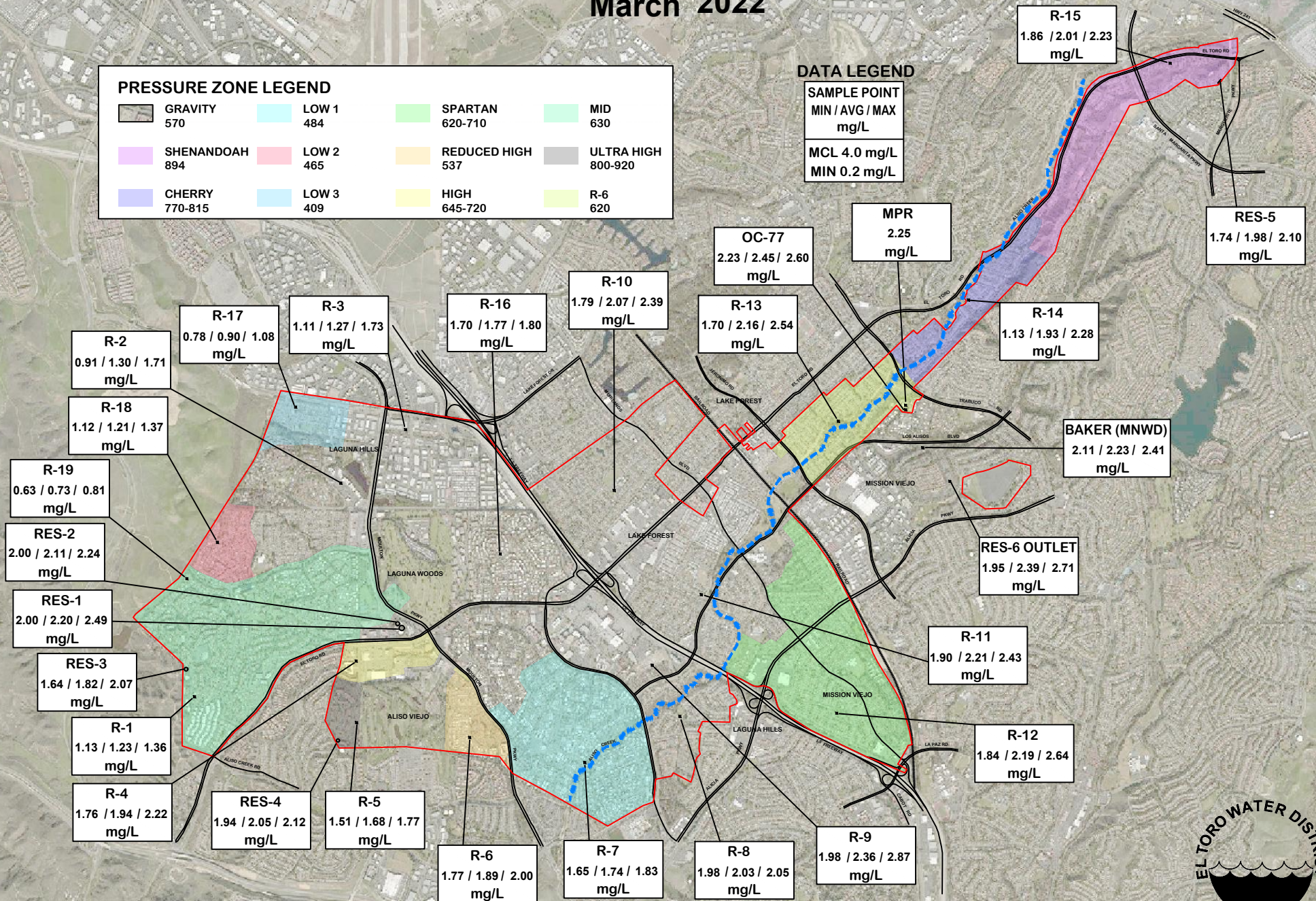
March 2022

PRESSURE ZONE LEGEND

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

DATA LEGEND

SAMPLE POINT MIN / AVG / MAX mg/L
MCL 4.0 mg/L MIN 0.2 mg/L



FLUORIDE MONITORING

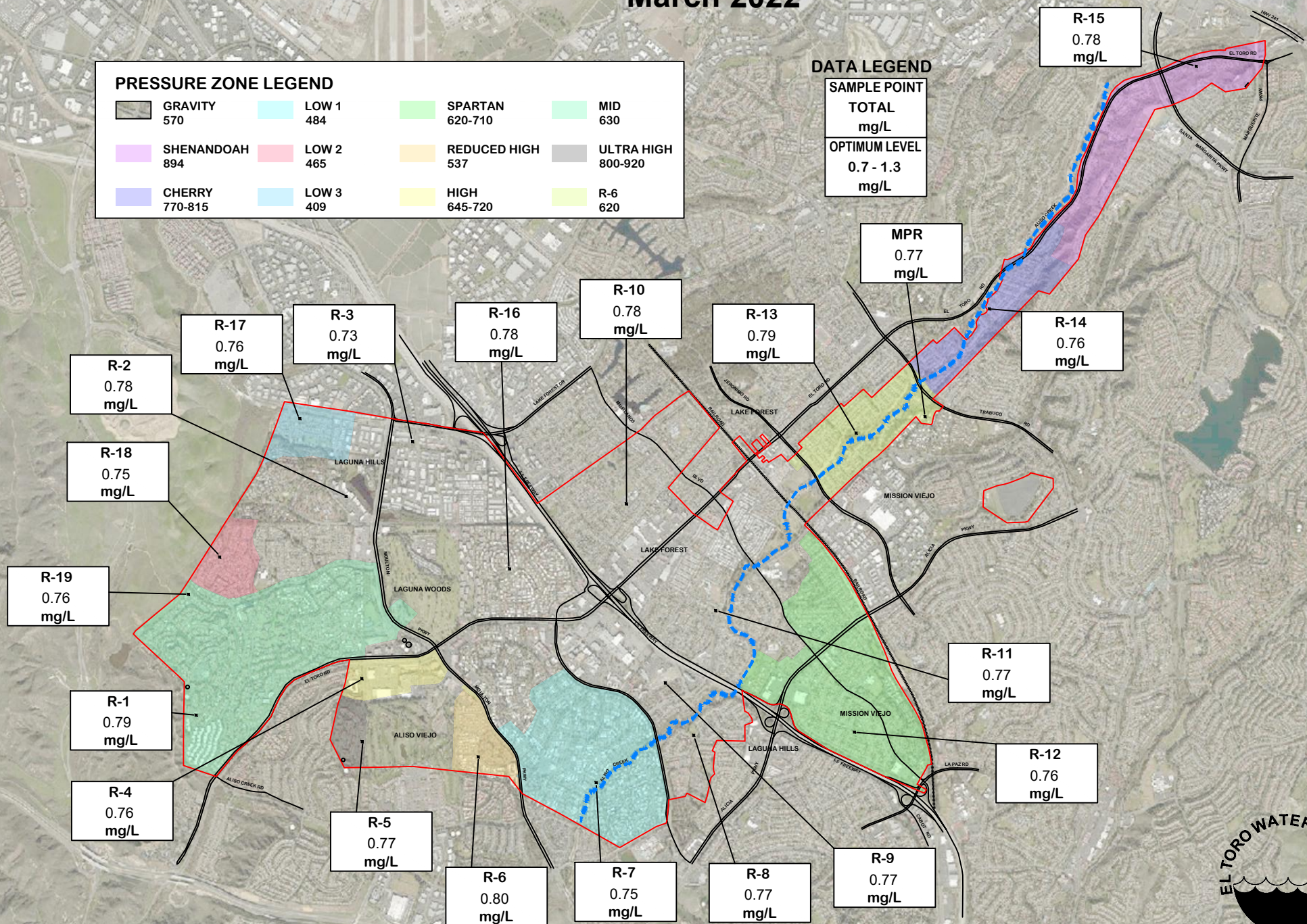
March 2022

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

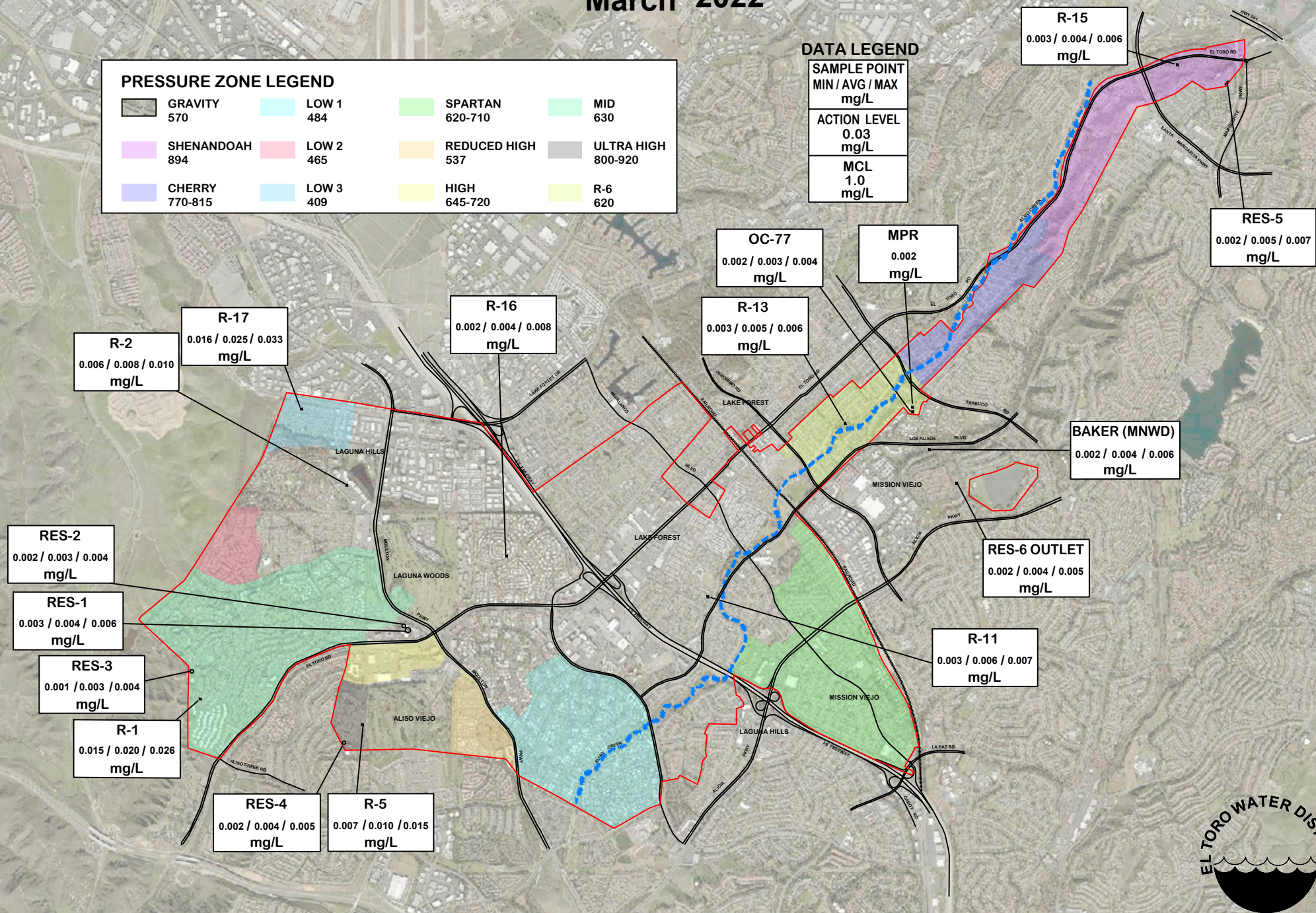
March 2022

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



STAGE 2 TOTAL TRIHALOMETHANES (TTHM) MONITORING

1st QUARTER 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 ppb
MCL 80 ppb

SITE 2
35.0
ppb

SITE 5
38.6
ppb

SITE 8
37.8
ppb

SITE 7
34.6
ppb

SITE 4
35.6
ppb

SITE 3
37.1
ppb

SITE 1
34.4
ppb

SITE 6
38.4
ppb



STAGE 2 HALOACETIC ACIDS (HAA5) MONITORING

1st QUARTER 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 ppb
MCL 60 ppb

ND : NONE
DETECTED

SITE 2
12.3
ppb

SITE 8
9.2
ppb

SITE 5
9.4
ppb

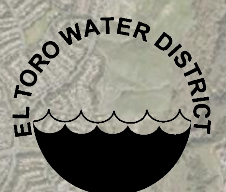
SITE 4
21.3
ppb

SITE 3
15.5
ppb

SITE 1
9.5
ppb

SITE 6
13.3
ppb

SITE 7
10.1
ppb



**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:		MARCH		YEAR : 2022	
CONSTITUENT ANALYSIS		INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	152	Absence		Average
2 Chlorine (ppm)	Detectable Resid	151	Average = 1.71 ppm		
3 TTHM (ppb) (Stage 2)	80 ppb			8	36.4 ppm
3 HAA5 (ppb) (Stage 2)	60 ppb			8	12.57 ppm
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.00 to 0.10 Res.		
Odor	3 Units	20	ND<1		
Color	15 Units	20	ND<5		
Temperature	No standard	20	55.0°F To 66.0°F		
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	134	0.001 to 0.007 Res.		

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

Abbreviations:

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

EL TORO WATER DISTRICT COLLECTION SYSTEM ACTIVITY REPORT



MONTH ENDING:

MARCH

2022

ODOR COMPLAINTS	MONTHLY	ANNUAL	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village	3	4	23321 Guinea St. LF, 23992 Bough Ave MV. 23601 Cavanaugh Rd. LF.		
Laguna Woods Village	0	0			
New World	0	0			
Private System	0	0			
Other: WRP	0	0			
TOTAL	3	4			
ROOT FOAMING	FOOTAGE	CHEMICAL USED	COMMENTS		
Outside Laguna Woods Village	0	0			
Laguna Woods Village	0	0			
New World	0	0			
Other	0	0			
TOTAL	0	0			
ROOT CUTTING	FOOTAGE	COMMENTS:			
Outside Laguna Woods Village	0				
Laguna Woods Village	0				
New World	0				
TOTAL	0				
HYDRO-CLEANING ¹	MONTHLY FOOTAGE	TOTAL CYCLE FOOTAGE	TOTAL CYCLE COMPLETE	PERCENT OF CYCLE COMPLETE	PERCENT OF WEEKS INTO THE 2 YEAR CYCLE
Outside Laguna Woods Village	6,217	344,431	408,849	119%	69%
Laguna Woods Village	11,268	263,336	247,368	94%	69%
New World	0	7,728	5,591	72%	69%
Private System	0		0		
TOTAL	17,485	615,495	661,808	108%	69%
Hot Spots	24,357		414,502		
COMBINED TOTALS:	41,842		1,076,310		
TV INSPECTIONS ²	MONTHLY FOOTAGE	TOTAL CYCLE	TOTAL CYCLE COMPLETE	PERCENT CYCLE COMPLETE	PERCENT OF WEEKS INTO THE 5 YEAR CYCLE
Outside Laguna Woods Village	13,435	344,431	109,652	32%	17%
Laguna Woods Village	0	263,336	3,321	1%	17%
New World	8,846	7,728	8,846	114%	17%
Private System	0		0		
Other	0		0		
TOTAL	22,281	615,495	121,819	20%	17%
Wet Well Cleaning	3	Mathis, Westline, Veeh 1 and Veeh 2			
Flow Meter/Sampling	0				
Water Tank Fills 44	44,000				
1. The Hydrocleaning Objective is a 2 Year Cycle to Clean the Entire System. The current cycle began on 07/01/2020					
2 The TV Inspection Objective is a 5 Year Cycle to Inspect the Entire System. The current cycle began on 01/25/2021					

Weekly Water Quality System Status

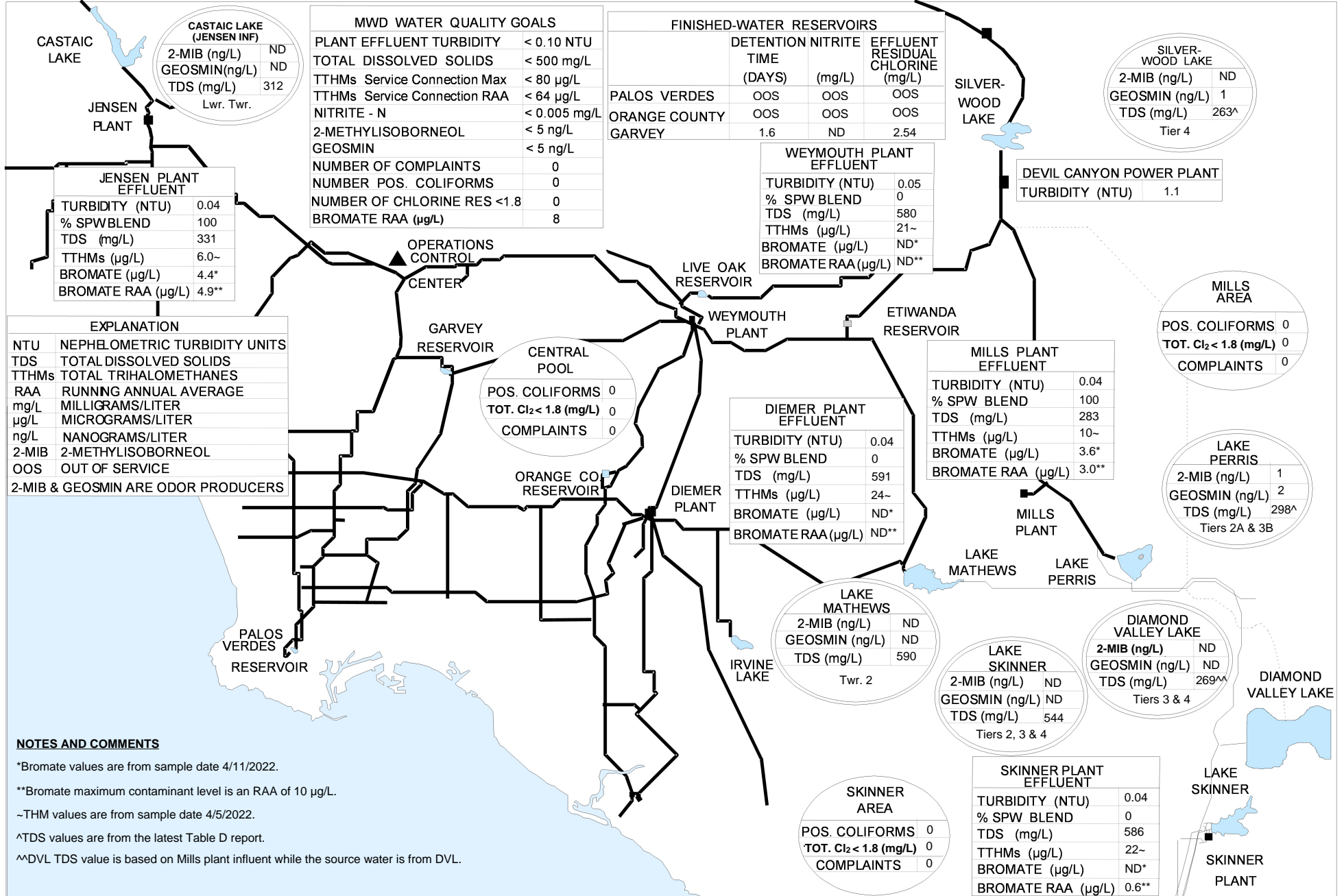
Wednesday, April 20, 2022

Generated On: 4/20/2022 10:55:40 AM



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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

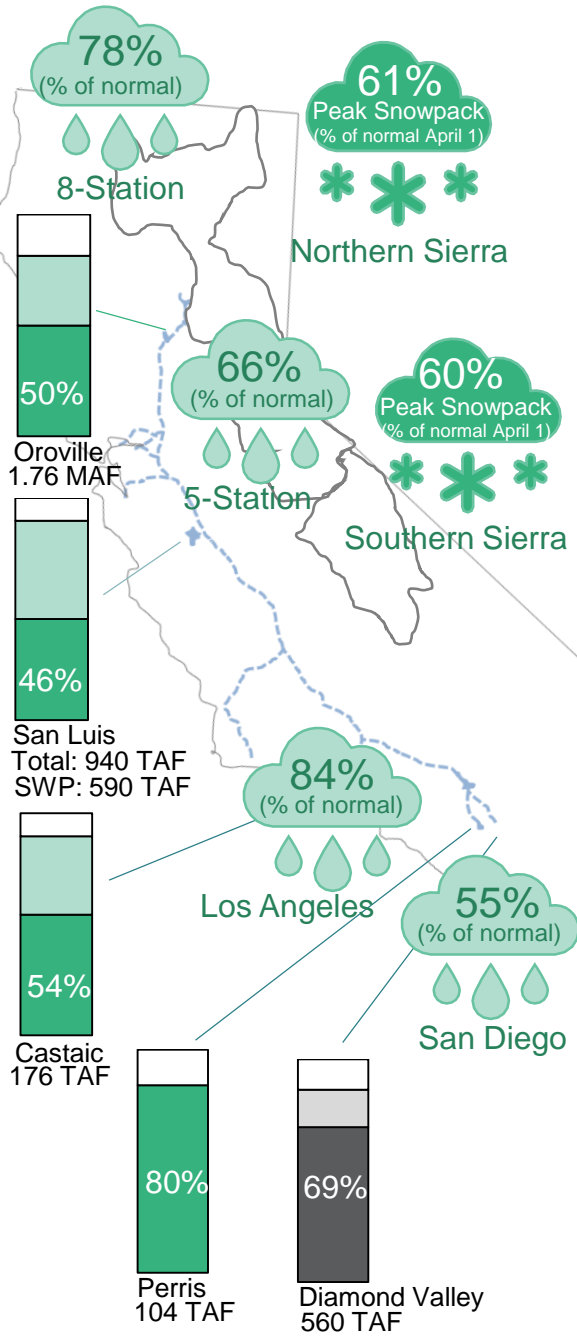


MWD water quality goals meet or exceed all State and Federal regulations.

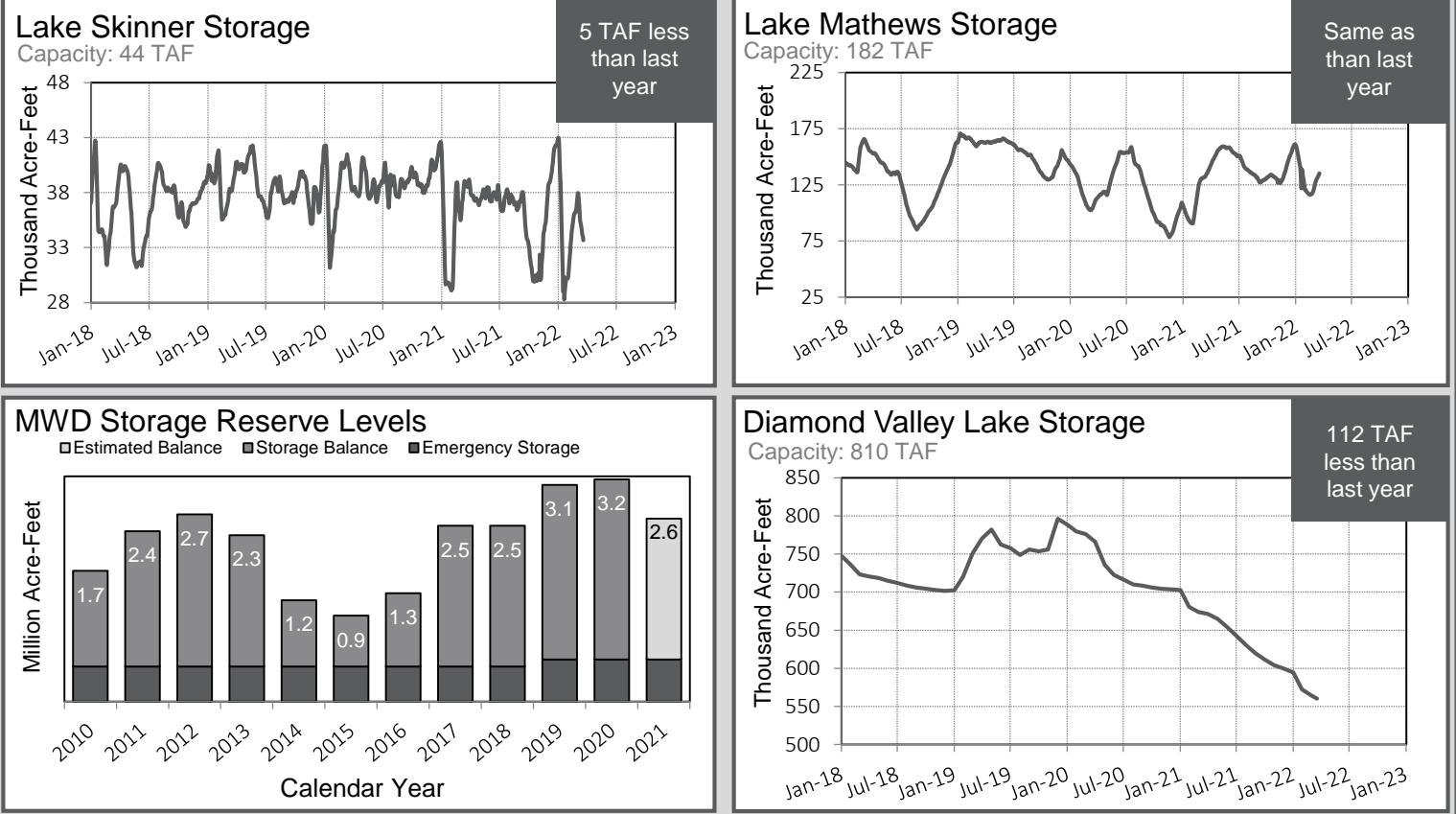
WATER QUALITY INFORMATION LINE: (800) 354-4420
VISIT MWD ON THE WEB AT <http://www.mwdh2o.com>



SWP Table A – 5% - 95,575 AF



Metropolitan Resources



Highlights

- SWP allocation is 5% of Table A plus Human Health and Safety (HH&S)
- Recent rains added 60,000 acre-feet to Lake Oroville
- Snowpack in the Northern Sierra went up 2 inches of snow water equivalent



This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale. Questions? Email mferreira@mwdh2o.com

Projected CRA Diversions – 1,135,000 AF

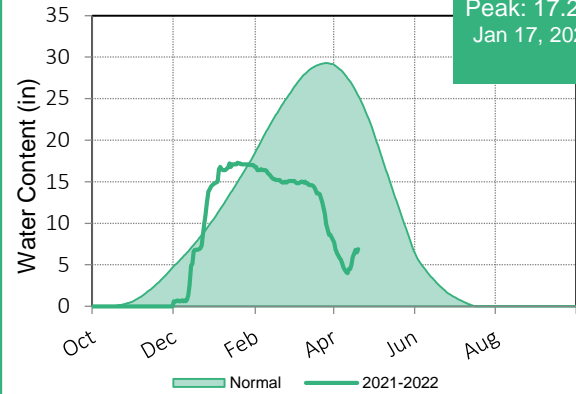


State Water Project Resources

As of: 04/18/2022

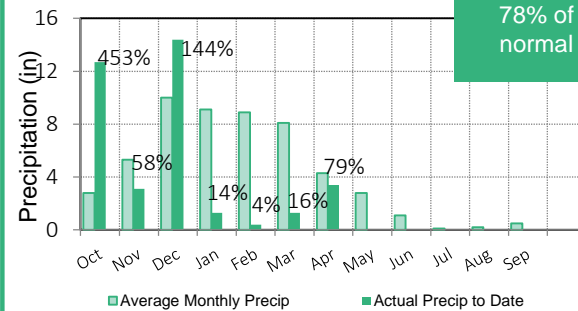
Northern Sierra Snowpack

Peak: 17.2 in
Jan 17, 2022



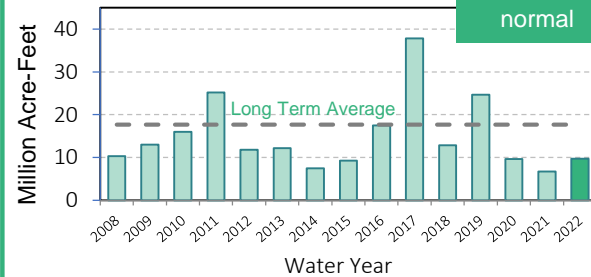
8 Station Index Precipitation

36.6 in
78% of normal



Sacramento River Runoff

Forecast:
55% of normal



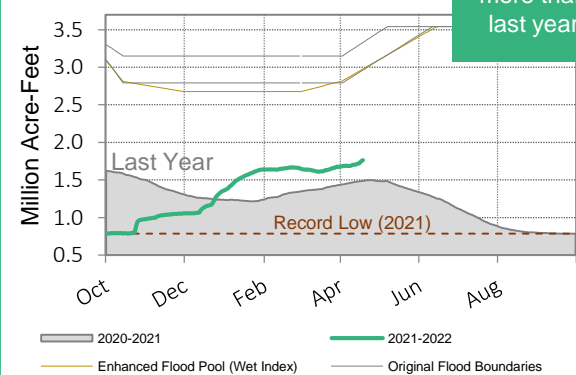
Other SWP Supplies Calendar Year 2022

Carryover 38,000 AF (Est.)

Oroville Reservoir Storage

Capacity: 3.54 MAF

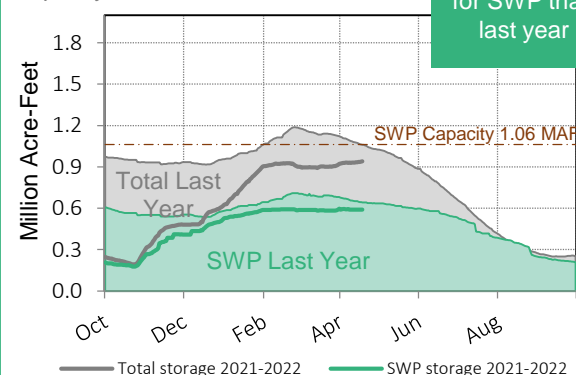
302 TAF
more than last year



San Luis Reservoir Storage

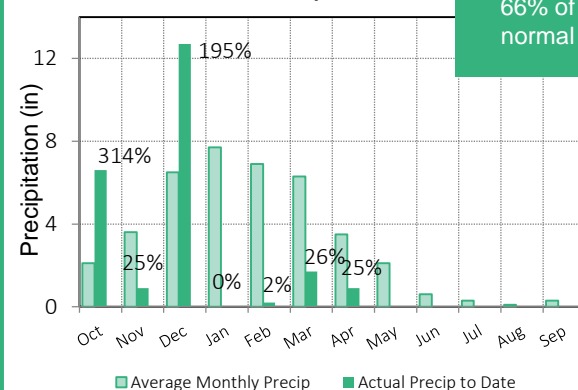
Capacity: 2.04 MAF

65 TAF less
for SWP than last year



5 Station Index Precipitation

23.0 in
66% of normal

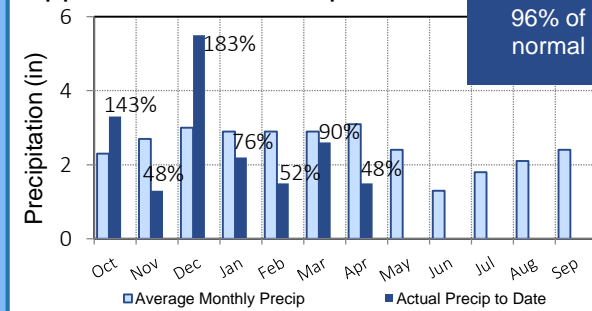


Colorado River Resources

As of: 04/18/2022

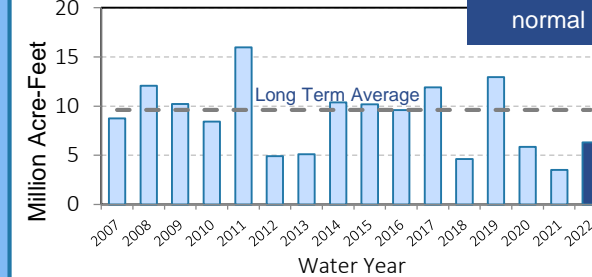
Upper Colorado Precipitation

17.9 in
96% of normal



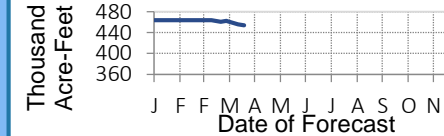
Powell Unregulated Inflow

Forecast:
66% of normal



PVID/Yuma Agricultural Use

Annual Forecasted for 2022



Current
Annual
Forecast:
454 TAF

Projected Lake Mead ICS

Calendar Year 2022

Put (+) / Take (-)
-236,000 AF

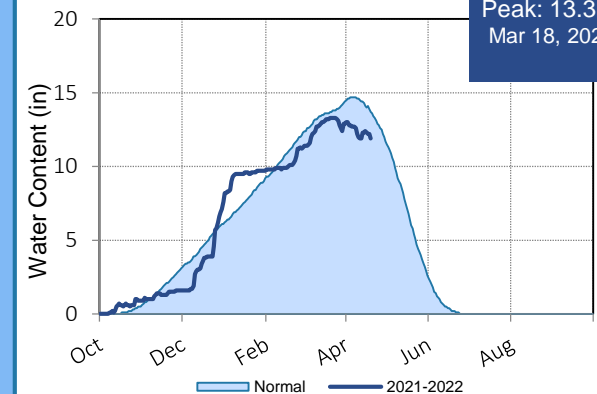
Lake Mead Surplus/Shortage Outlook

	2022	2023	2024	2025	2026
Surplus	0%	0%	0%	0%	0%
Shortage	100%	100%	93%	93%	93%
Metropolitan DCP*			60% 245 TAF	63% 287 TAF	60% 295 TAF

Likelihood based on results from the corrected February 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

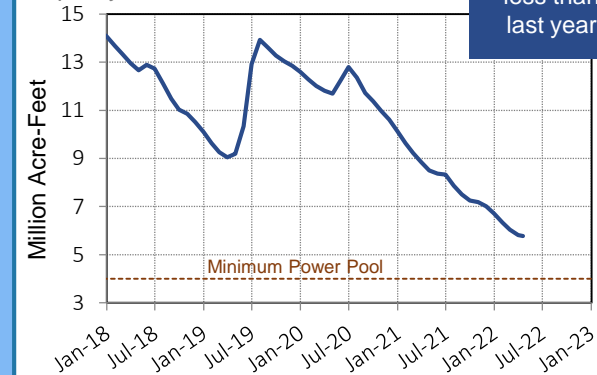
Peak: 13.3 in
Mar 18, 2022



Lake Powell Storage

Capacity: 24.3 MAF

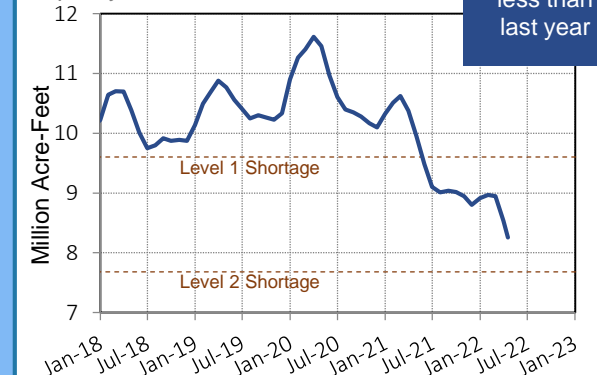
2.86 MAF
less than last year



Lake Mead Storage

Capacity: 26.1 MAF

1.92 MAF
less than last year





Memorandum

DATE: April 19, 2022
TO: Member Agencies – MWD OC Division Five
FROM: Sat Tamaribuchi, Director – Division Five
SUBJECT: Monthly Water Usage Data, Tier 2 Projection & Water Supply Information

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

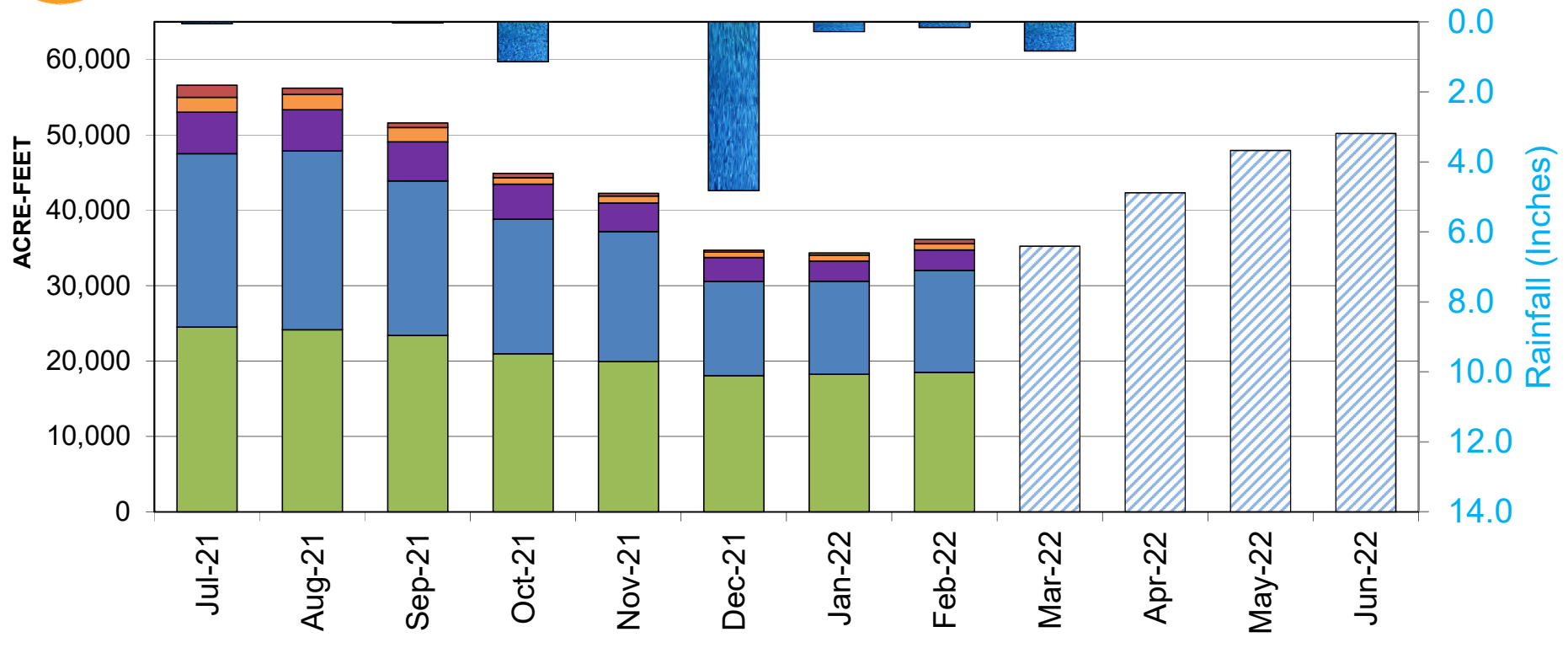
- OC Water Usage, Monthly by Supply ***OCWD Groundwater was the main supply in February.***
- Estimated OC Water Usage, Monthly, Comparison to Previous Years Water usage in February ***2022 was above average compared to the last 5 years.*** We are projecting a decrease in overall water usage compared to FY 2020-21. On July 8th 2021, state officials have ask California residents to voluntary reduce their water usage by 15% compared to 2020 levels.
- Historical OC Water Consumption Orange County M & I water consumption is ***projected*** to be ***533,000 AF in FY 2021-22 (this includes ~11 TAF of agricultural usage and non-retail water agency usage).*** This is about ***27,000 AF less than FY 2020-21*** and is about ***200 AF more than FY 2019-20.*** Water usage per person is projected to be slightly lower in ***FY 2021-22 for Orange County at 151 gallons per day*** (This includes recycled water usage). Although OC population has increased 20% over the past two decades, water usage has not increased, on average. A long-term decrease in per-capita water usage is attributed mostly to Water Use Efficiency (water conservation) efforts. ***O.C. Water Usage for the period of Fiscal Years FY 2015-16 to FY 2019-20 was the lowest since the 1982-83 Fiscal Year*** (FY 1982-83 was the third wettest year on record). ***O.C. Water Usage in FY 2020-21 was the highest since FY 2010-11.***

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

- Orange County's accumulated precipitation through **early April was below average** for this period. Water year to date rainfall in Orange County is **7.31 inches**, which is **63% of normal**.
- Northern California accumulated precipitation through **early April was 81% 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 1st, 2022. As of late March, 100.0%** of California is experiencing **moderate to extreme 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 **early April was 97% of normal** for this period. The **Upper Colorado Basin snowpack was 84% of normal** as of April 4th 2022. **Lake Mead and Lake Powell** combined have about **43.0% of their average storage volume** for this time of year and are at **28.5% of their total capacity**. For the first time on the Colorado River, Lake Mead's **levels have fallen below the "trigger" limit of 1,075 ft. at the end of a calendar year**. The US Bureau of Reclamation (USBR) has declared a shortage at Lake Mead, impacting Colorado River water deliveries to the Lower Basin states. Lake Mead as of early April, were **14.16' BELOW the "trigger" limit**. The USBR has declared a **shortage on the Colorado River starting January 1st 2022. There is and a 97% chance of shortage continuing in 2023, 95% in 2024, 96% in 2025 and 93% in 2026.**



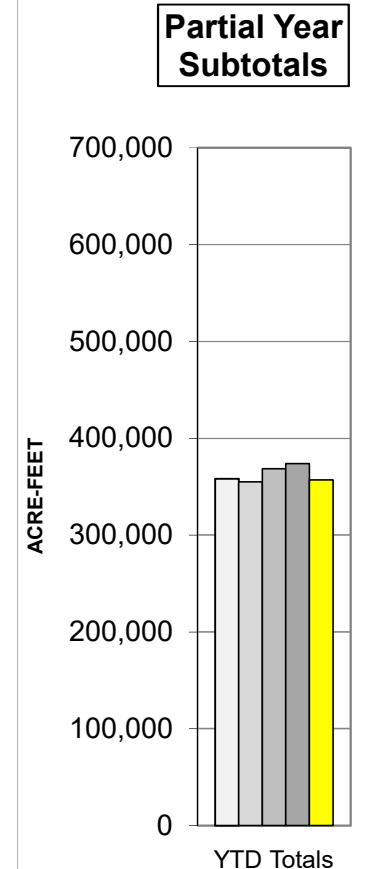
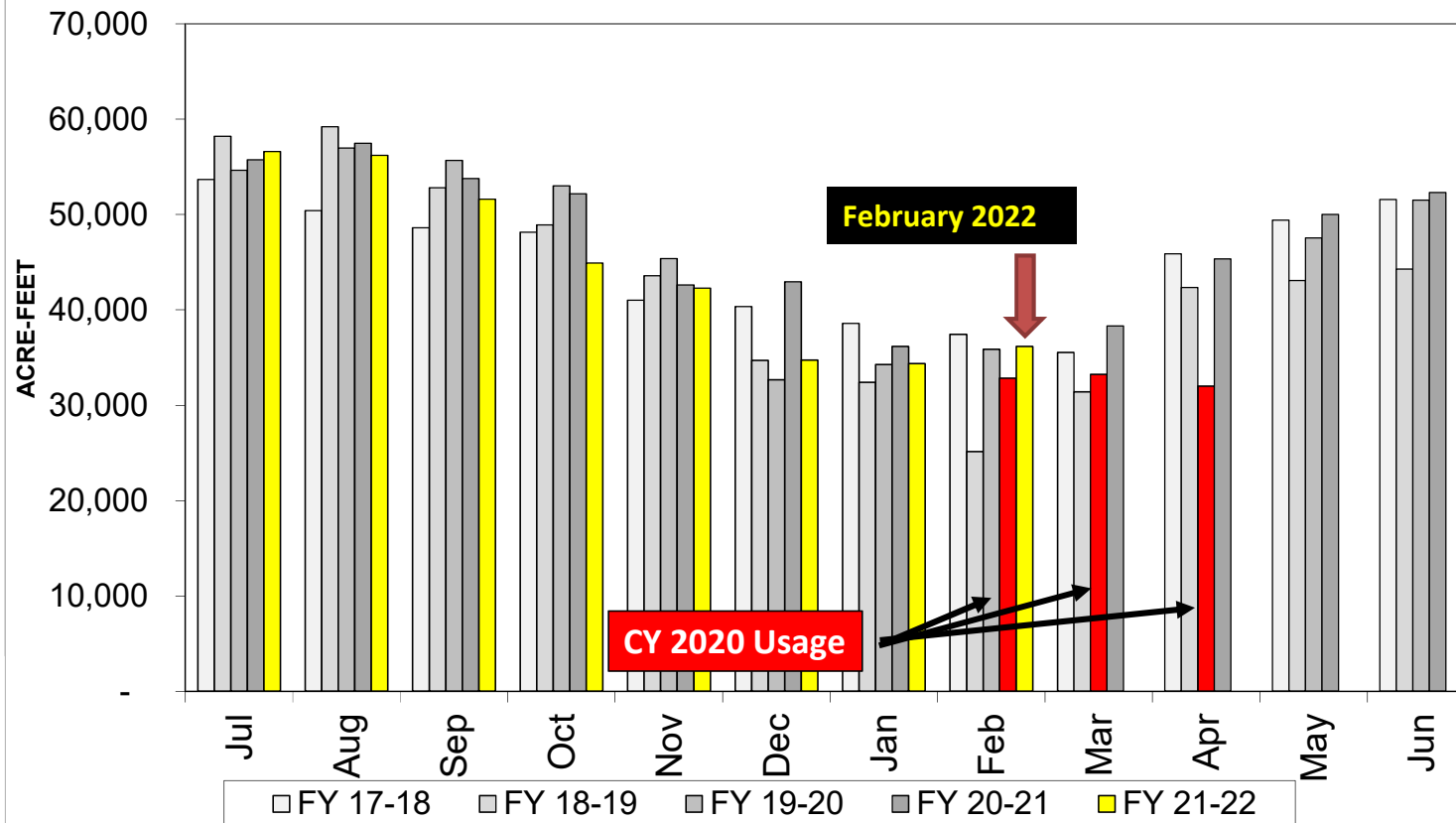
Fig. 1 OC Water Usage, Monthly by Supply with projection to end of fiscal year



- [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.

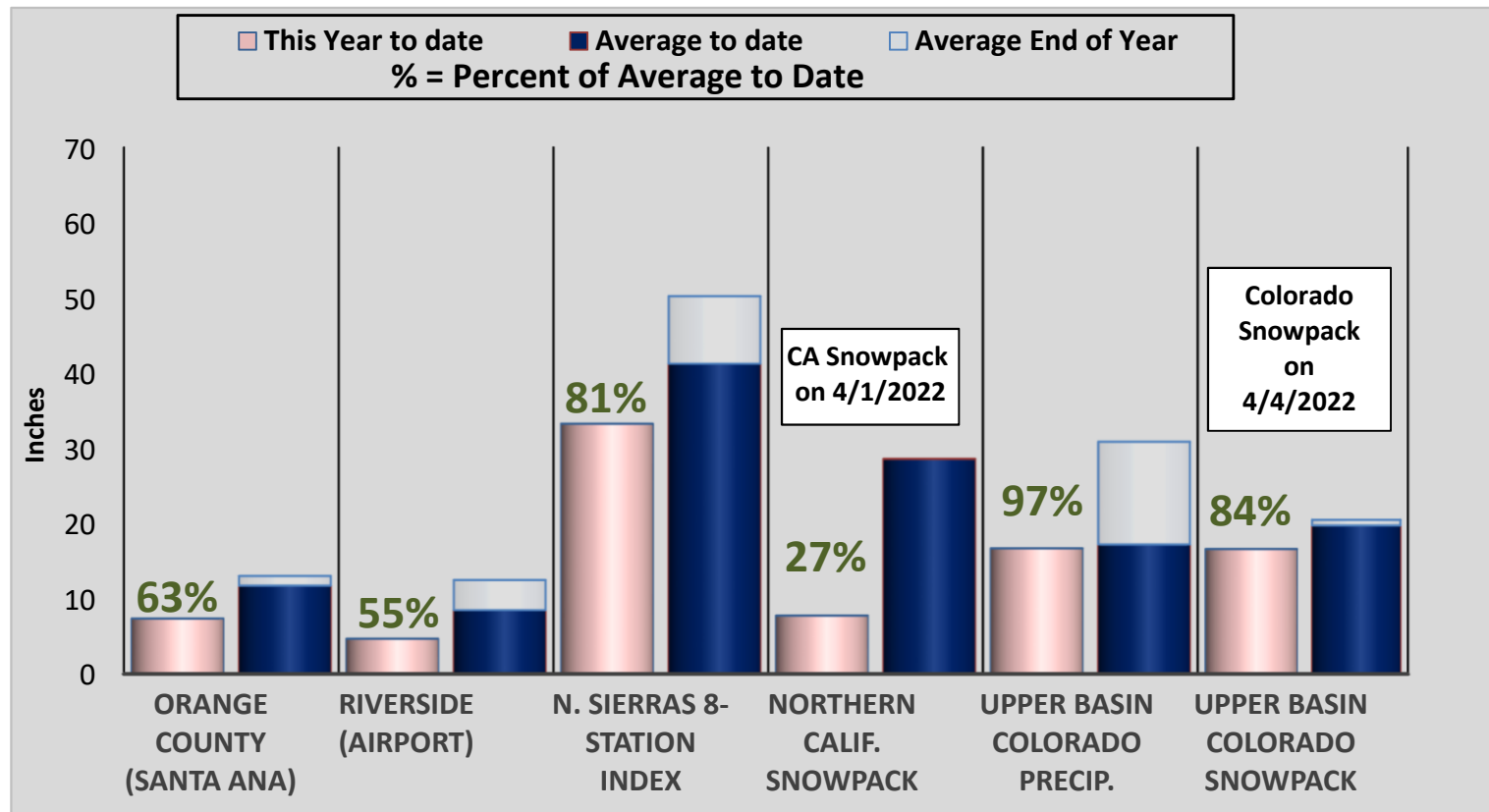


Fig. 2 OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years



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

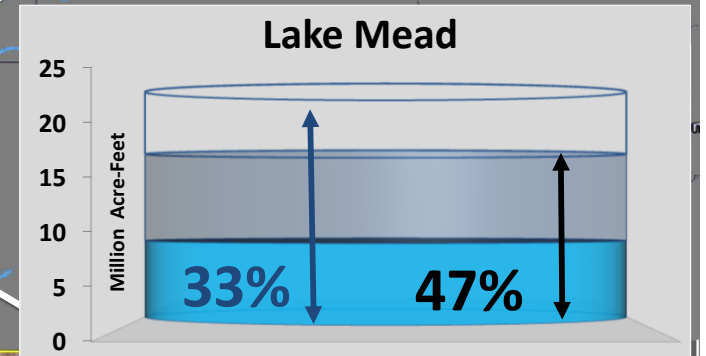
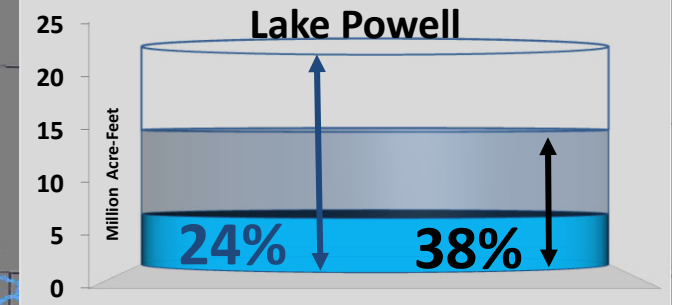
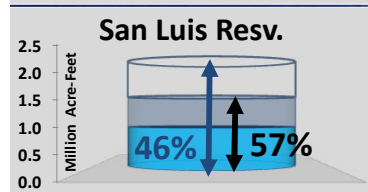
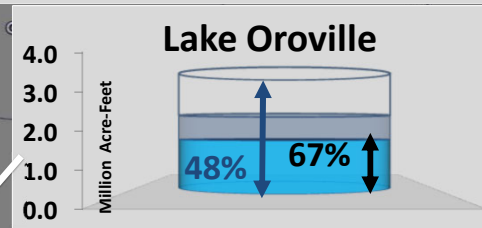
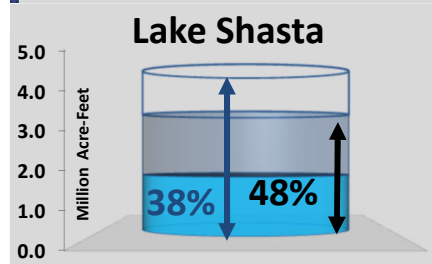
Accumulated Precipitation for the Oct.-Sep. water year, early April 2022



* 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 April 4, 2022



Reservoir Storage
Historical Reservoir Storage

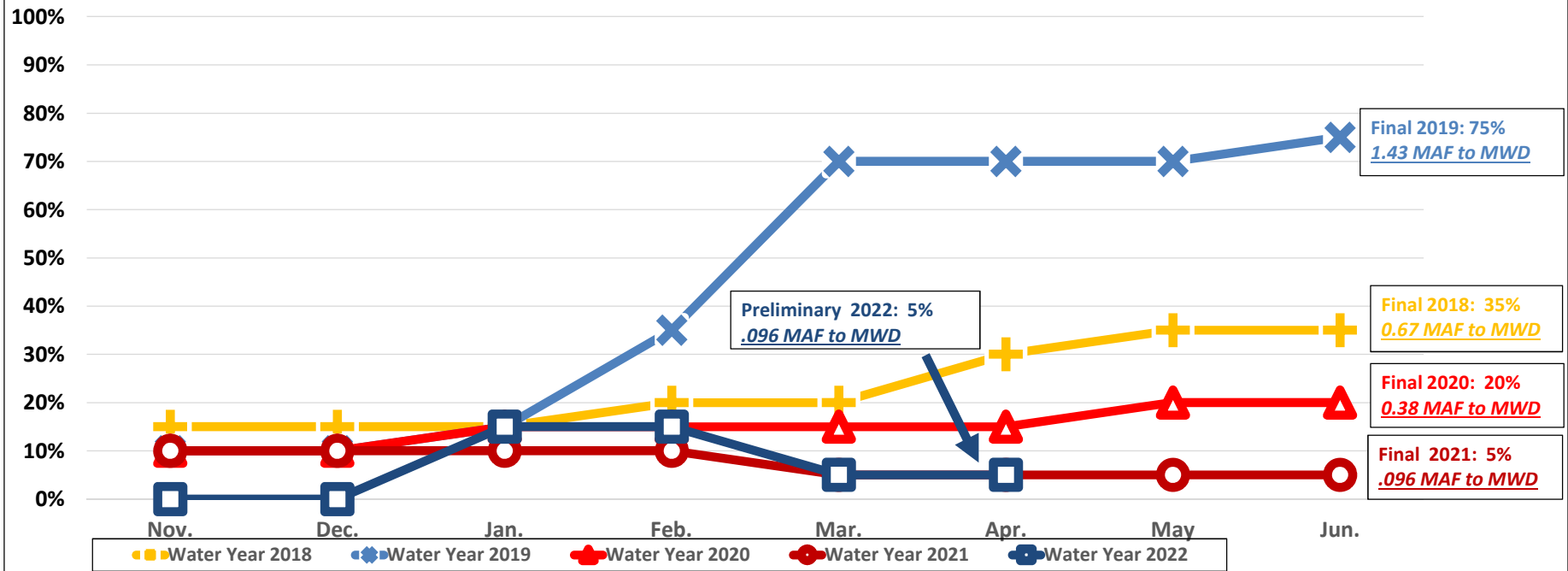
SWP Take Capacity = 0.191 MAF
CRA Take Capacity = 0.238 MAF
In Region Take Capacity = 0.426 MAF



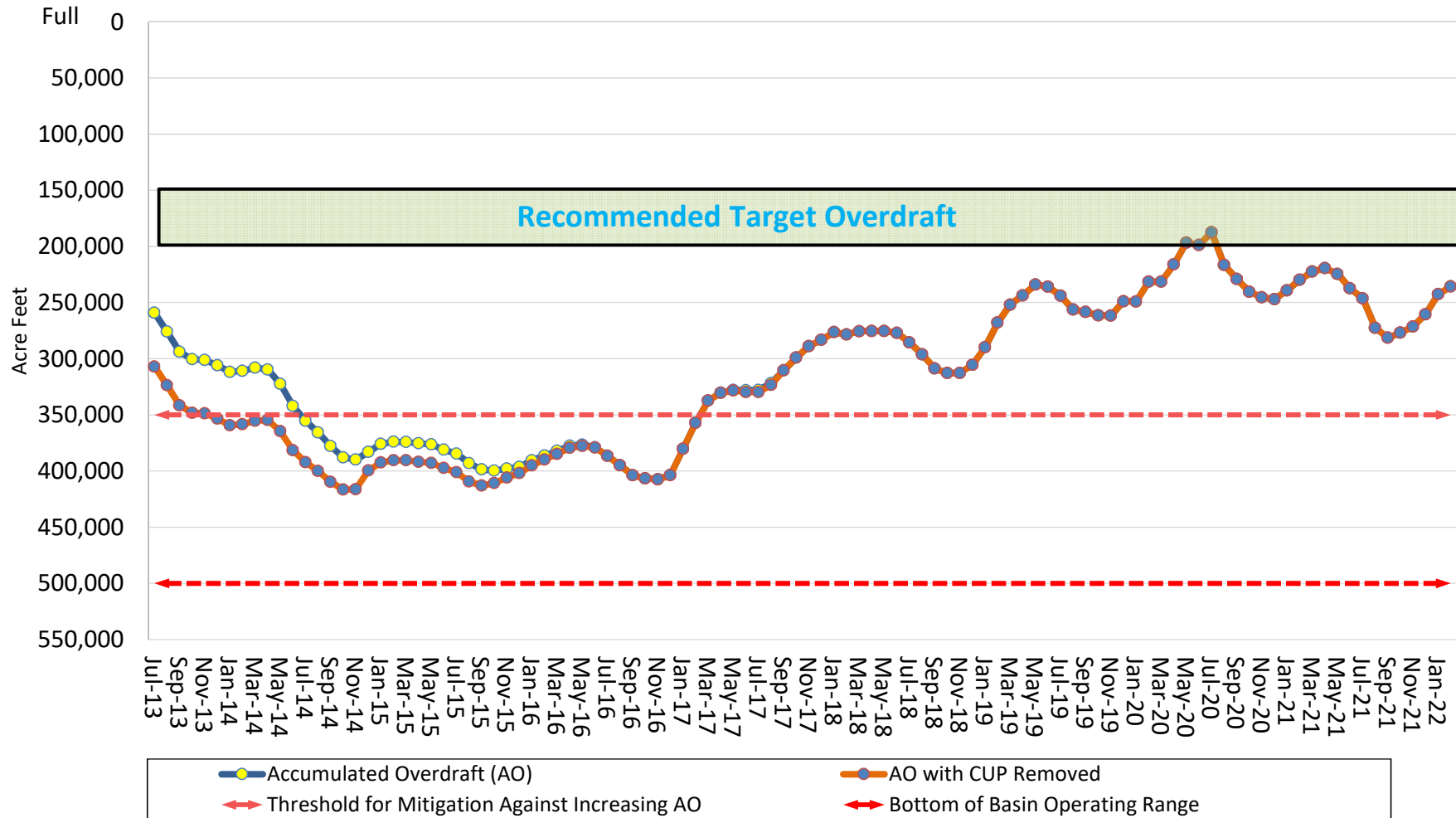
prepared by the Municipal Water District of Orange County
*Numbers are Subject to Change

SWP TABLE A ALLOCATION PERCENTAGE

FOR STATE WATER PROJECT CONTRACTORS



Accumulated Overdraft of the OCWD Groundwater Basin as of February 2022

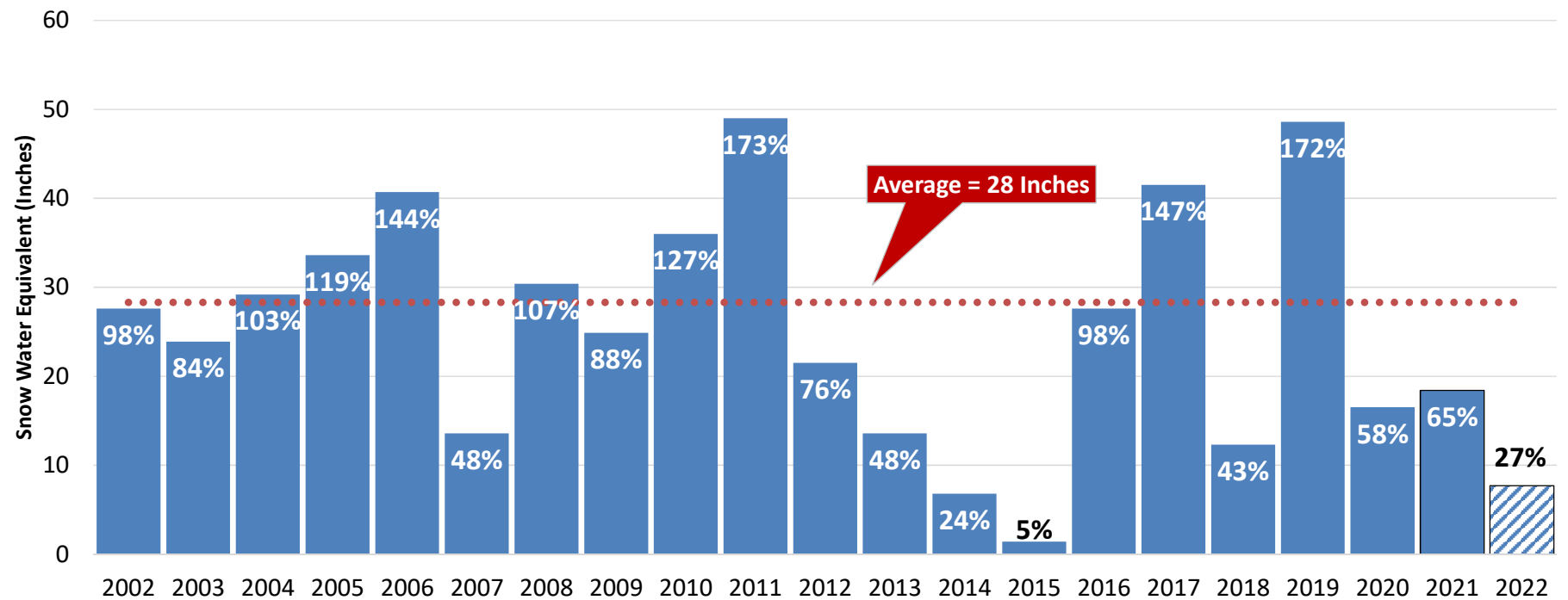


	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
AO (AF)	187,392	216,548	229,124	240,414	245,441	246,998	239,329	229,738	222,470	219,388	224,458	237,335
AO w/CUP removed (AF)	187,392	216,548	229,124	240,414	245,441	246,998	239,329	229,738	222,470	219,388	224,458	237,335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

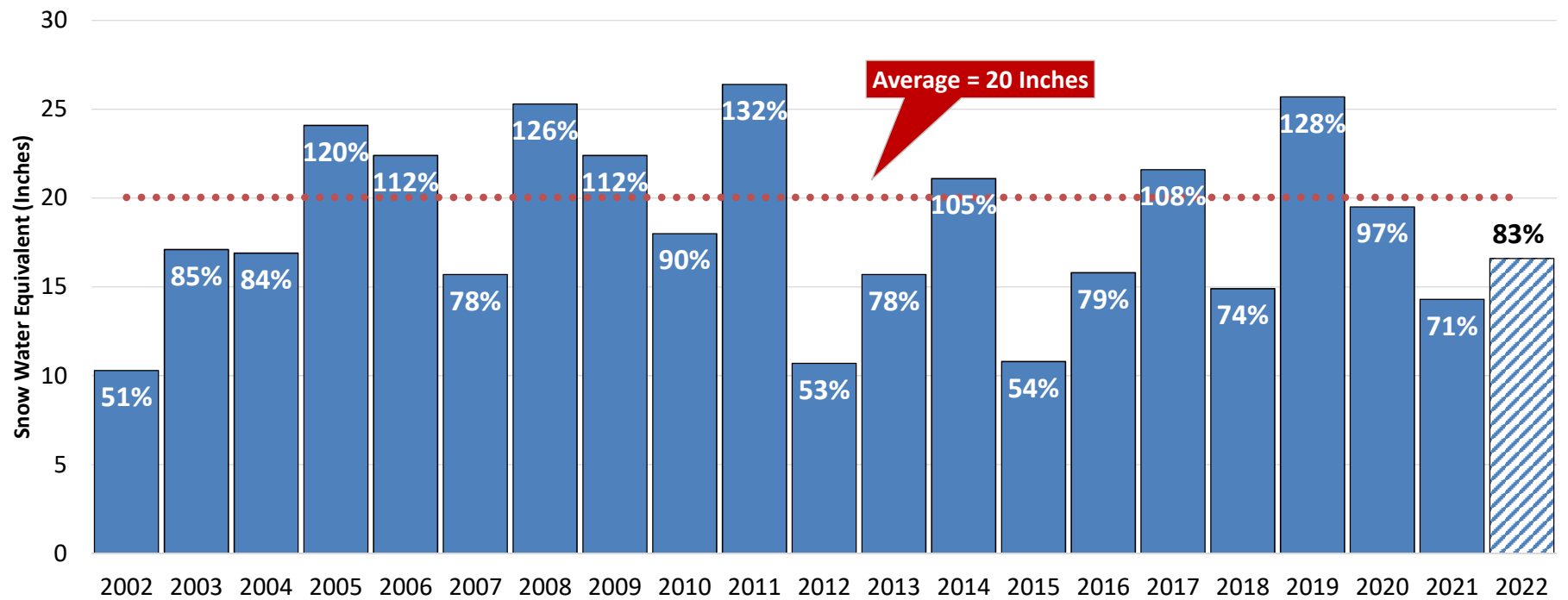
* Source ~ OCWD Monthly Board of Directors Packet, Water Resources Summary



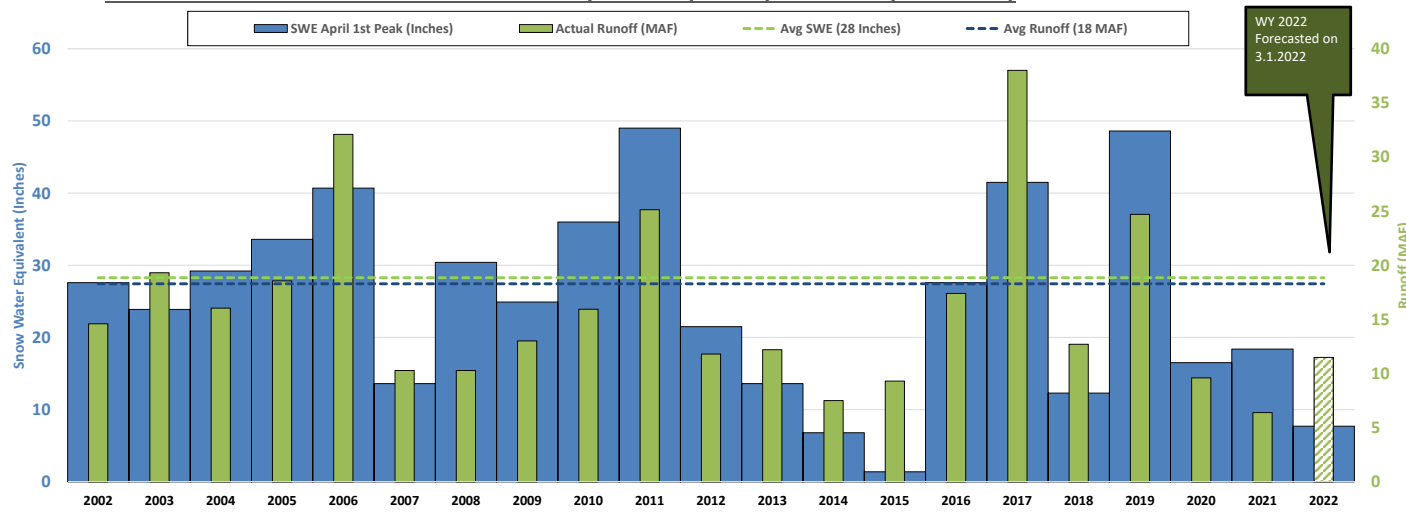
Historical Northern California April 1st Peak Snow Water Equivalent



Historical Colorado Basin April 15th Peak Snow Water Equivalent



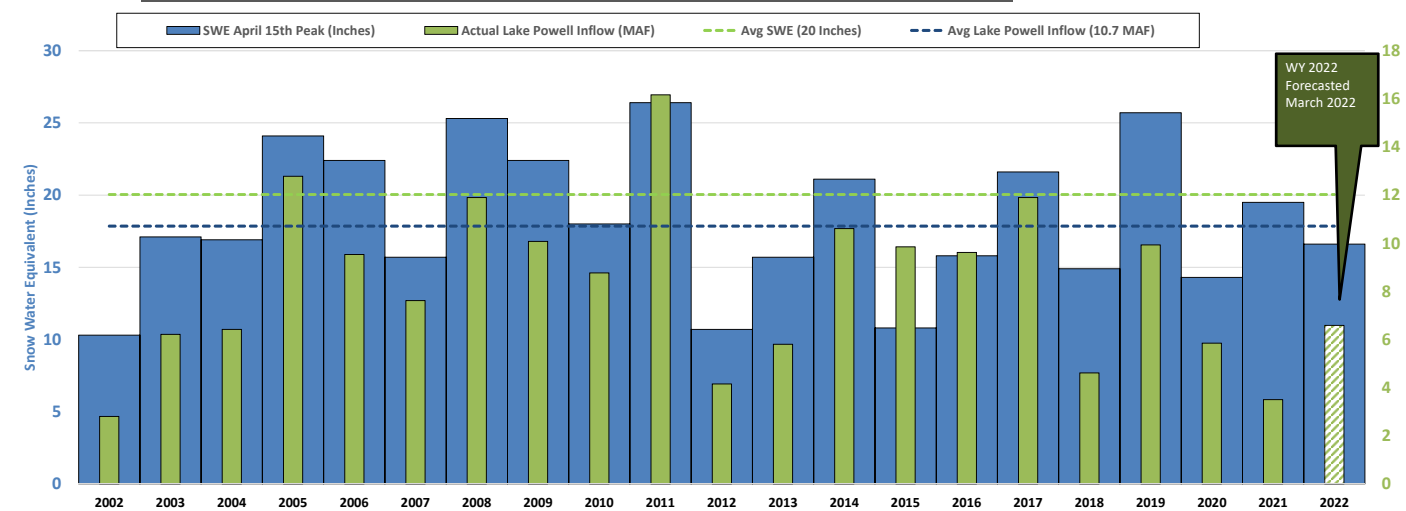
Northern California Historical Snow Water Equivalent (Inches) Vs Runoff (Million AF)



Sacramento River Basin



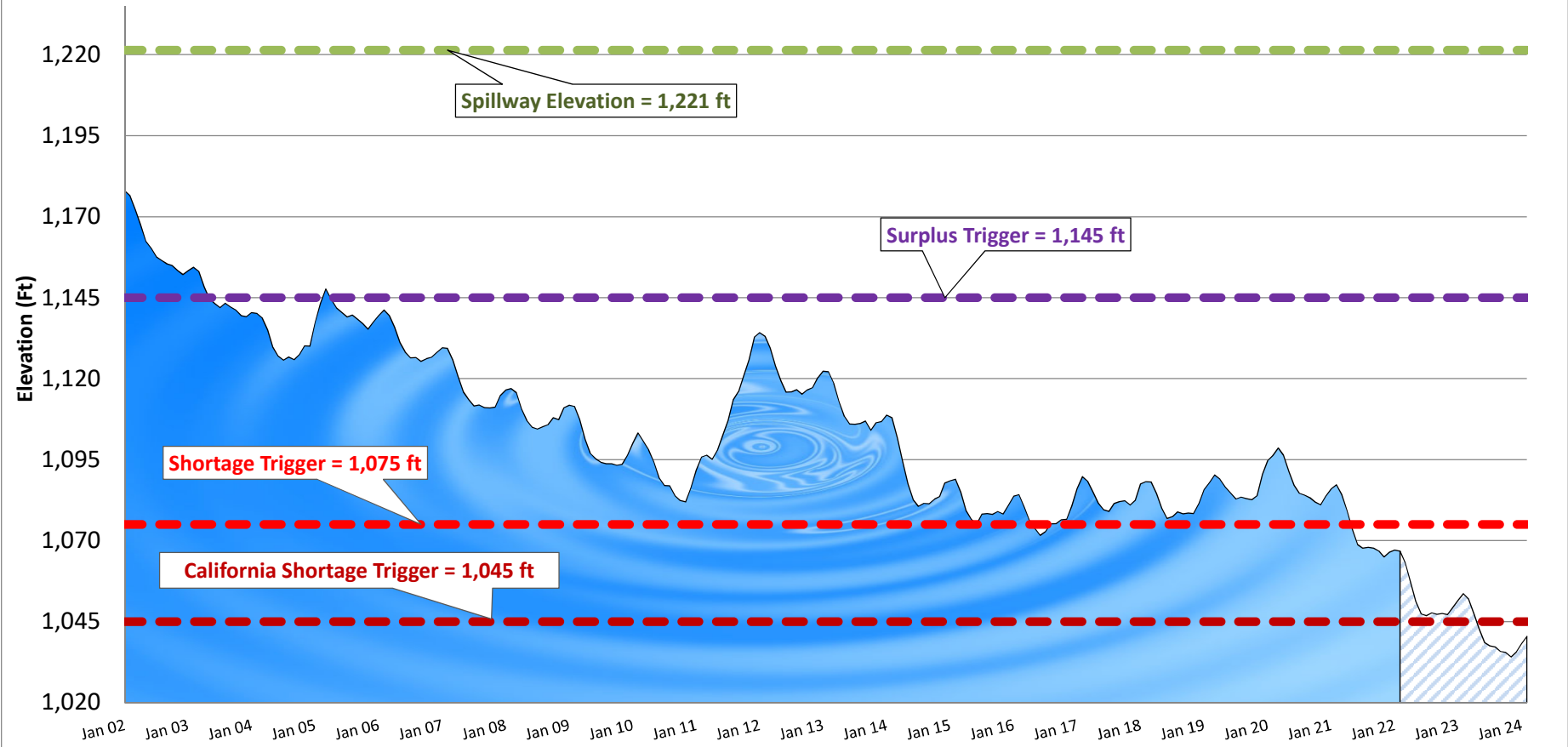
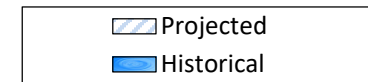
Upper Colorado Historical Snow Water Equivalent (Inches) Vs Runoff (Million AF)



Colorado River Basin

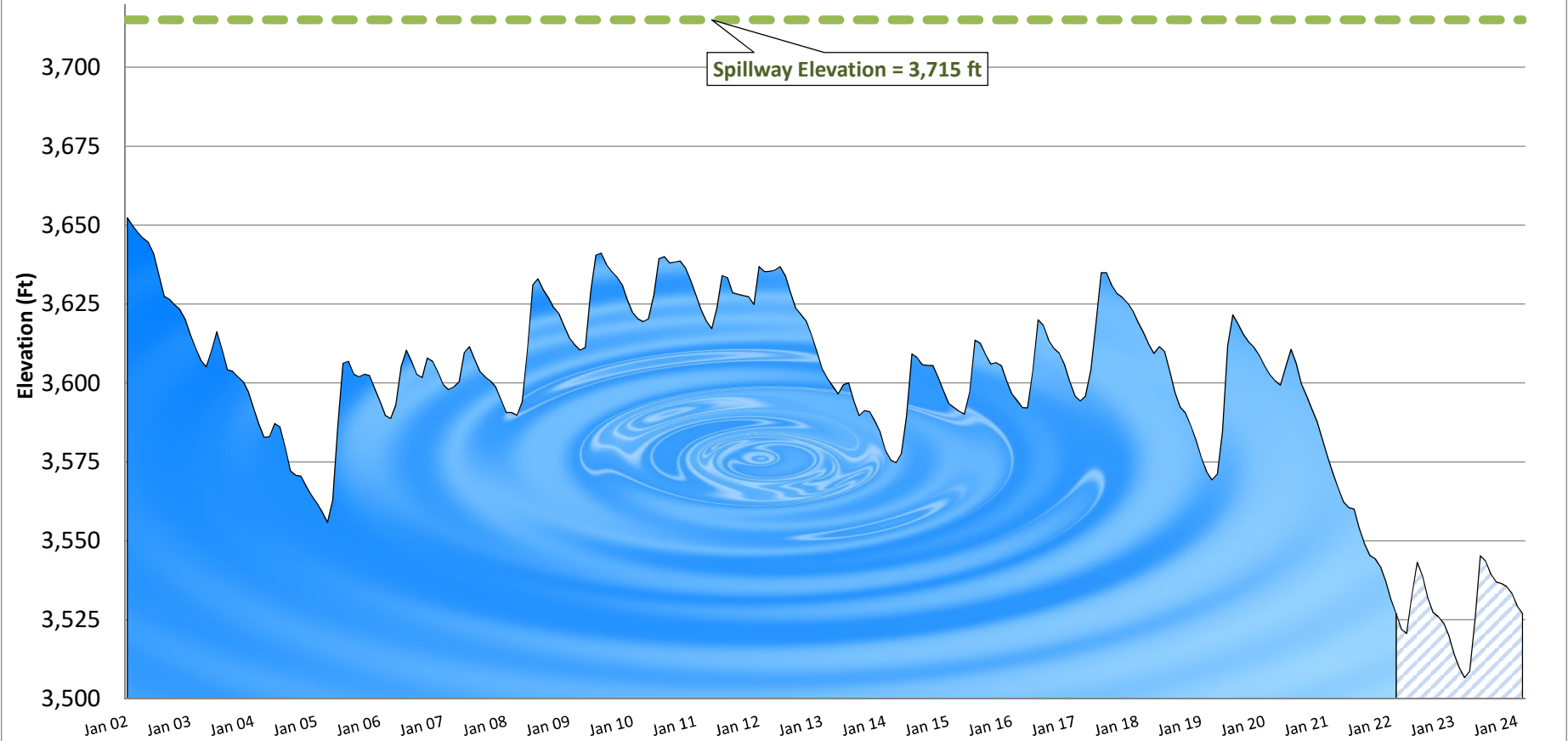


Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study

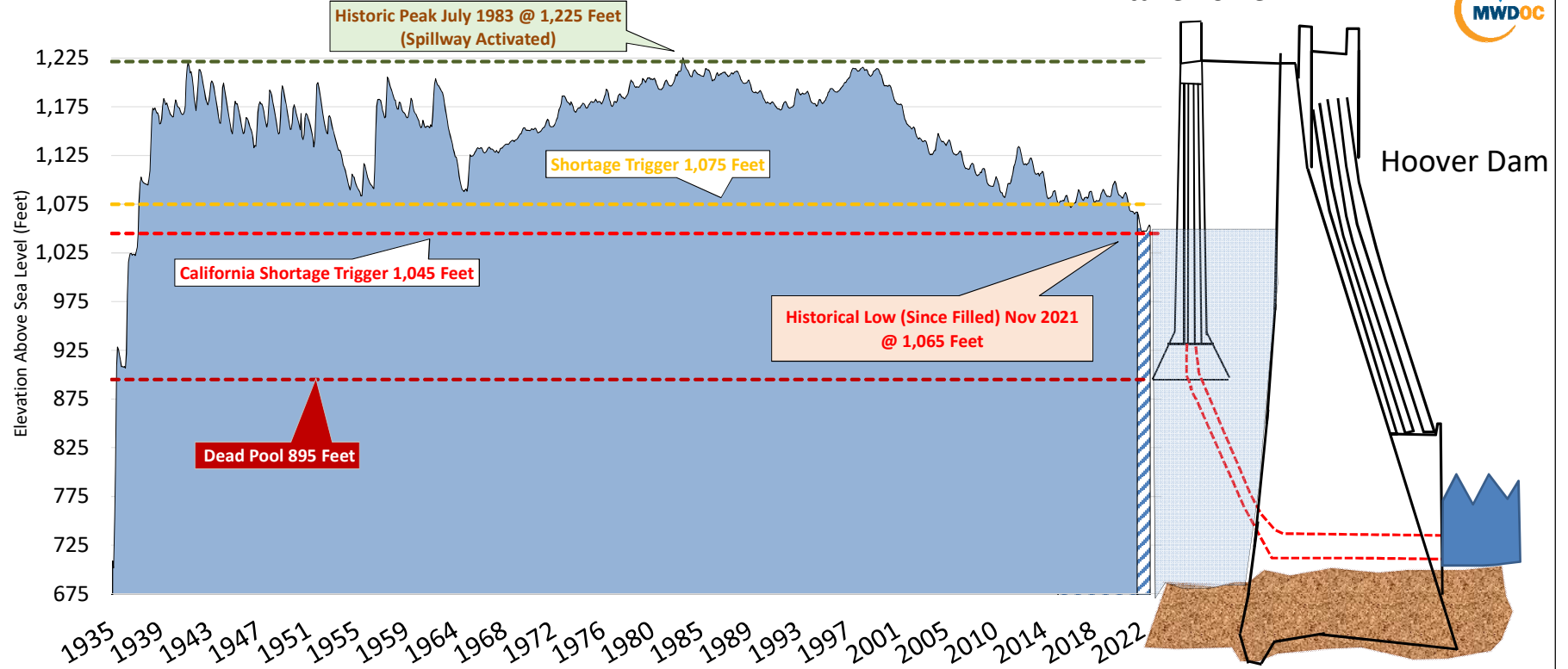


Lake Powell Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected



Lake Mead Historical Water Elevation Level



WILL SERVE REQUEST STATUS REPORT

(MARCH 2022)

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

Applicant	Project Description	Location	Status	Date Requested	Date Issued
National Community Renaissance	Mountain View Housing	24551 El Toro Rd	Issued	09/15/21	09/17/21
City of Laguna Woods	LW Public Library	24264 El Toro Rd	Issued	08/07/20	09/23/20
Buchheim Properties III	Fuddruckers Redevelopment	23621 El Toro Rd Lake Forest	Issued	08/27/20	09/22/20
Merlone Geier Partners	Village at Laguna Hills	LH Mall Site	Pending		
Saddleback Medical Center	Women's Health Pavilion	24401 Calle De La Louisa	Issued	09/09/21	10/21/21
The Festival Company	Target/Alicia Landing (Phase II)	24420 & 24440 Alicia Parkway	Issued	10/11/21	10/11/21
Laguna Hills Investment Company	Heritage Medical Offices Oakbrook Village Suite H	24321 Avenida De La Carlota H-6	Issued	09/09/21	10/21/21
Mey Chen	Burger Town Sewer Connection	24418 Muirlands Blvd	Issued	07/01/21	07/29/21
City of Lake Forest	Arbors Access Ramp	23721 ½ El Toro Road	Issued	09/21/21	09/23/21
Elite Hospitality	Laguna Hills Inn Fire Sprinkler Upgrade	23061 Avenida De La Carlotta	Issued	3/29/22	04/01/22

EL TORO WATER DISTRICT UNAUTHORIZED DISCHARGE SUMMARY YEAR OF 2022

DATE	PUBLIC / PRIVATE	SPILL TYPE	LOCATION	REASON	IMMEDIATE CORRECTIVE MEASURES	PREVIOUS MAINTENANCE		POST-INCIDENT PREVENTIVE MEASURES	RWQCB	DISCHARGED TO	SPILL VOLUME (PUBLIC) Gallons		SPILL VOLUME (PRIVATE) Gallons		REGULATORY NOTIFICATION AND RESPONSE
						CLEANING	TV				CONTAINED	SPILLED	CONTAINED	SPILLED	
January			No Spill												
February			No Spill												
March			No Spill												
LEGEND											0	0	0	0	
S.D.C = San Diego Creek		RES. = Residential		R.S. = Rocks											
S.D. = Storm Drain		C. = Commercial		C.W.D. = Calcium Water Deposits											
A.C. = Aliso Creek		S.B. = Siphon		B.P. = Broken Pipe											
G.B. = Grease Blockage		P.F. = Power Failure		U.W. = Untreated Water											
S. = Sticks		P. = Paper		R. = Roots											



WRP BATTERY STORAGE SYSTEM

MONTHLY REPORT

March, 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)

TOTAL \$ 13,022.14 \$ 1,892.14



Sewerage Treatment Plant

23542 Moulton Pkwy, Laguna Woods, CA 92637



Savings Report - 2022-03

Feb 11, 2022 - Mar 15, 2022

SCE TOU 8 Option D (< 2kV)

Demand Charges	Before Storage		After Storage		Savings	
Maximum Demand Charges	990kW	\$19,028.02	965kW	\$18,542.45	25kW	\$485.57
Winter Mid-Peak (Weekdays)	939kW	\$9,353.98	914kW	\$9,106.15	25kW	\$247.84
Sub-total		\$28,382.01		\$27,648.60		\$733.41
Energy Charges	Before Storage		After Storage		Savings	
Winter Mid-Peak	91,681kWh	\$10,044.53	73,484kWh	\$8,095.96	18,196kWh	\$1,948.57
Winter Off-Peak	224,773kWh	\$22,261.62	231,961kWh	\$22,935.93	(7,188)kWh	\$(674.31)
Winter Super Off-Peak	131,987kWh	\$10,431.09	149,322kWh	\$11,791.39	(17,335)kWh	\$(1,360.30)
Sub-total		\$42,737.24		\$42,823.28		\$(86.04)
Other Monthly Charges	Before Storage		After Storage		Savings	
Customer and Other		\$730.00		\$730.00		\$ -
Sub-total		\$730.00		\$730.00		\$ -
Total	Before Storage		After Storage		Savings	
		\$71,849.24		\$71,201.88		\$647.37

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

NATURAL RESOURCE RESULTS

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

From: Natural Resource Results

RE: Monthly Board Report – April 2022

FY22 Appropriations

On March 11th, President Biden signed the FY22 omnibus appropriations bill into law, finalizing what was an incredibly slow and painful appropriations cycle. Bureau of Reclamation received \$1.7 billion for Water and Related Resources (the agency's main funding account) and highlights include:

- \$25 million to implement the Colorado River DCP
- \$20 million for drought response under the WaterSMART Program
- \$2.5 million for Salton Sea research
- \$45.5 million for WaterSMART
- \$10.5 million for WIIN Act Desalination and Water Purification projects
- \$20 million for desalination and water purification research
- \$117 million for WIIN Act storage projects
- \$53 million for Title XVI projects and
- \$33 million for CALFED and legislative language extending the CALFED authorization

FY23 Budget

On Monday, March 28th President Biden released his FY23 budget request. Overall, the request includes \$1.746 billion for the Bureau of Reclamation.

- \$24 million for drought response under the WaterSMART Program
- \$2 million for Salton Sea research
- \$62 million for WaterSMART
- \$5.7 million for desalination and water purification research
- \$4 million for Title XVI projects and
- \$33 million for CALFED

STREAM Act

Senator Feinstein is again circulating a discussion draft of a western water bill that she is calling the STREAM Act and is seeking letters of support and potential edits from outside organizations. The legislation, along with a section by section of the bill are attached to this memo.

Senator Feinstein is likely to introduce the bill in late April or early May so MWDOC will need to move relatively quickly if there are desired edits to the legislation.

Infrastructure

On March 22nd, the Department of the Interior (DOI) announced that it will invest \$100 million into the seismic upgrade of BF Sisk Dam. This funding comes predominately from the Infrastructure Investment and Jobs Act (IIJA) but also includes some annual appropriations for Congress. In 2019, DOI signed a Record of Decision (ROD) for the \$1.1 billion project.

Big picture, the Bureau of Reclamation intends to spend \$1.6 billion from IIJA in FY22. The FY22 spend plan allocations include:

- \$420 million for rural water projects that benefit various Tribal and non-Tribal underserved communities by increasing access to potable water.
- \$245 million for WaterSMART Title XVI that supports the planning, design, and construction of water recycling and reuse projects.
- \$210 million for construction of water storage, groundwater storage and conveyance project infrastructure.
- \$160 million for WaterSMART Grants to support Reclamation efforts to work cooperatively with states, Tribes, and local entities to implement infrastructure investments to increase water supply.
- \$100 million for aging infrastructure for major repairs and rehabilitation of facilities.
- \$100 million for safety of dams to implement safety modifications of critical infrastructure.
- \$50 million for the implementation of Colorado River Basin drought contingency plans to support the goal of reducing the risk of Lake Mead and Lake Powell reaching critically low water levels.
- \$18 million for WaterSMART's Cooperative Watershed Management Program for watershed planning and restoration projects for watershed groups.
- \$15 million for Research and Development's Desalination and Water Purification Program for construction efforts to address ocean or brackish water desalination.
- \$8.5 million for Colorado River Basin Endangered Species Recovery and Conservation Programs.

WEROC

MWDOC is making a Congressionally Directed Spending (earmark) request for funding from the FY23 appropriations bill. Applications were submitted to both CA Senators, and we are working with FEMA to ensure that they fully understand the impact and importance of the WEROC EOC. In FY22, there was some confusion with FEMA internally as to whether to project was eligible for an earmark (FEMA provides guidance to the House and Senate Appropriations Committees) and we believe that we have a path to a resolution for FY23.

Section-by-Section Analysis of Draft “STREAM Act”

Senator Feinstein, December 2021

- Section 1, Short Title; Table of Contents, indicates that this Act may be cited as the “Support To Rehydrate the Environment, Agriculture, and Municipalities Act” or the “STREAM Act”.
- Section 2, Definitions, includes important definitions of key terms, including:
 - Non-Federal storage project, which is any project in a Reclamation State that—
 - (A) involves the construction or expansion by an eligible entity of—
 - (i) a surface or groundwater storage project that is not federally owned;
 - (ii) a facility that is not federally owned conveying water to or from surface or groundwater storage; or
 - (iii) a natural water retention and release project; and
 - (B) provides a benefit in meeting any obligation under applicable Federal law (including regulations). Section 2(11).
 - Natural water retention and release projects, which use primarily natural processes and features, like wetlands, to allow increased utilization of existing storage facilities through aquifer recharge, floodplain retention, and altering the timing of runoff. Besides enhancing water supplies, these multi-benefit projects typically also promote ecosystem restoration and flood protection. Section 2(10).
 - Federal benefits. Section 2(8). As applied to storage, water recycling, and desalination projects, this term means
 - 1) public benefits provided directly by the project;
 - 2) fish and wildlife or water quality public benefits provided by the implementation of a watershed restoration plan approved together with the project, if there is an increased Federal commitment to pay for public benefits in the watershed as compared to such Federal commitments prior to the date of approval of the project; or
 - 3) water supply benefits identified pursuant to reclamation law, which are reimbursable unlike public benefits.
 - Public benefits. Section 2(12). This term is defined to include:
 - 1) traditional non-reimbursable costs - fish/wildlife including refuges, flood control, recreation, water quality, etc.
 - 2) drinking water supply for disadvantaged communities.
 - 3) emergency drinking water supply used in response to a gubernatorial disaster declaration; and

- 4) energy benefits, including the value of associated greenhouse gas reductions and any reduction in energy costs for federal taxpayers.

Many of these key terms are further discussed below in the analysis of section 103, Competitive Grant Program for Non-Federal Storage Projects.

Title I, Infrastructure Development

- Section 101, Competitive Grant Program for the Funding of Water Recycling Projects, reauthorizes and amends the Title XVI competitive grant program for water recycling projects established in 2016 pursuant to the WIIN Act (Subtitle J, Public Law 114-322).

There are three key differences from the competitive grant program for water recycling authorized in the WIIN Act:

- 1) **The authorization of appropriations has been increased to \$300 million over 5 years, as compared to the prior \$100 million over 5 years.** Subsection (g).
 - 2) **Congress does not need to approve funding awards for specific projects through designating the project by name in an enacted appropriations bill.**
 - Reclamation can award funding to projects from available appropriations, after competitively evaluating grant applications from eligible projects.
 - 3) The draft bill raises the maximum federal funding contribution for each Title XVI project to \$50 million from the current ceiling of \$20 million in 1996 prices. Subsection (b)(1).
 - The cap remains \$20 million in 1996 prices for projects that have received that amount as of December 31, 2021.
 - The maximum federal cost-share remains at 25% (up to the new maximum federal contribution of \$50 million).
- Section 102, Annual Report to Congress
 - **This section requires the Commissioner of Reclamation to submit an annual report to Congress transmitting feasibility reports on Federal storage projects, and non-Federal storage projects with a federal investment exceeding \$250 million, for Congress to consider whether to authorize the projects.**
 - This section is modeled on the Section 7001 report that the Army Corps of Engineers submits to Congress for WRDA projects.
 - The language of the section closely tracks 33 U.S.C. 2282d regarding the Army Corps' Chief's reports.

- **This section is intended to expedite approval of projects requiring Congressional authorization, by facilitating a “Reclamation WRDA” package of projects approved by the House and Senate authorizing committees.** If Congress chooses, this “Reclamation WRDA” package could be added to the WRDA bill each Congress.
- Section 103, Competitive Grant Program for Non-Federal Storage Projects:
 - **This section establishes a competitive grant program for non-Federal storage projects by adapting the structure and language of the competitive grant program for large-scale water recycling and reuse projects in Section 40905 of the Infrastructure Investment and Jobs Act.**
 - **This approach uses the Title XVI precedent of non-reimbursable funding for water supply where the project provides multiple benefits including environmental benefits within the watershed.**
 - Subsection 103(b) establishes a program to provide grants to eligible entities on a competitive basis for the planning, design, and construction of non-Federal storage projects.
 - Subsection 103(c) sets parameters for eligible projects:
 - Surface and groundwater storage, conveyance, and natural water retention and release projects are eligible;
 - The Federal cost-share cannot exceed \$250 million;
 - Projects must be constructed, operated and maintained by an eligible entity in a Reclamation state; and
 - Projects must provide a Federal benefit (definition of “Federal benefit” discussed below).
 - Subsection 103(d) sets conditions for grants for eligible projects:
 - For studying a project, if the Secretary has identified the potential for sufficient Federal benefits to proceed;
 - For construction, if
 - The eligible entity demonstrates that the project is feasible and provides a Federal benefit;
 - The eligible entity has sufficient funding to complete the project and is solvent; and
 - The Governor of the relevant State supports Federal funding of the project.
 - For construction of natural water retention and release projects, simplified procedures for projects costing less than \$10 million, and additional procedures for projects costing over \$10 million.
 - Subsection 103(e) establishes funding priority for projects that have 2 or more of the following: 1) substantial multiple benefits, 2) reductions in environmental impacts from water projects, 3) multi-state benefits, and 4) collaborative development and support by multiple stakeholders.

- Subsection 103(f) states that
 - **The Federal cost-share shall not exceed 25 percent of the total cost of the project** (with the exception of natural water retention and release projects, which can have up to a 90% Federal cost-share).
 - **Any funding under the program for the value of public benefits shall be considered nonreimbursable.**
 - **Public benefits are defined in Section 2(8) as either**
 - 1) **public benefits provided directly by the project; or**
 - 2) **fish and wildlife or water quality public benefits provided by the implementation of a watershed restoration plan approved together with the project**, if there is an increased Federal commitment to pay for public benefits in the watershed as compared to such Federal commitments prior to the date of approval of the project.
 - In practice, this means that if a project proponent is seeking \$100 million in federal funding for a non-Federal storage project, the proponent can get that funding on a non-reimbursable basis there is \$100 million in public benefits from either the project itself or other projects as part of a watershed restoration plan approved with the project. Some examples of public benefits from a watershed plan could include:
 - water leasing during a dry year, water sharing agreements, water banking, ongoing water conservation, and related activities;
 - environmental restoration projects; and
 - natural water retention and release projects.
 - If funding for public benefits is less than 25 percent of the total cost of the eligible project, **the Secretary may provide reimbursable funds to an eligible entity for the value of any water supply benefits identified pursuant to reclamation law** (as described in section 2(8)(D)) up to the limit of 25 percent of the total project cost.
- The remaining subsections of section 103:
 - Require compliance with environmental laws in subsection (g);
 - Require guidance on implementation from Reclamation within 1 year in subsection (h);
 - Require reports on implementation in subsection (i);
 - Require conveyance systems associated with storage projects to be eligible for funding under the section, in subsection (j).
- Section 104, Funding for Non-Federal Storage Projects, and Storage and Conveyance Projects Eligible under the Infrastructure Jobs and Investment Act.
- Subsection (a) authorizes \$750 million total in funding from FY 2023 through FY 2027 for:
 - 1) non-Federal storage projects, including natural water retention and release projects, authorized pursuant to the provisions of section 103;

2) storage projects that are eligible for study funding under section 40902(a)(1) of the Infrastructure Investment and Jobs Act, if for such projects the funding under this section is provided in accordance with the provisions of section 40902(b) and (c) of the Infrastructure Investment and Jobs Act; and

3) storage projects that have received construction funding under section 40902(a)(2) of the Infrastructure Investment and Jobs Act, if for such projects the funding under this section is provided in accordance with the provisions of section 40902(b) and (c) of the Infrastructure Investment and Jobs Act.

Any carryover storage funding appropriated pursuant to section 4007 of the WIIN Act may be used for the three categories of projects described above.

Because the \$750 million authorization in this section would become the general source of storage funding provided through annual appropriations, we believe it is appropriate to allow this pot to be used for projects that are eligible for study funding under the Infrastructure Investment and Jobs Act. In addition, if projects are partly funded for construction under the Infrastructure Investment and Jobs Act, we believe it is appropriate to use this general pot of storage annual appropriations to provide funding to move these projects closer to the completion of construction that has already begun. Note that if any funding from this storage pot is used for projects authorized to receive funding under the Infrastructure Investment and Jobs Act, then the restrictions on which projects can receive funding and the cost-sharing and reimbursability rules from section 40902 of the Infrastructure Investment and Jobs Act would all apply to that funding.

- Subsection (b) amends section 40902(a)(2)(C)(i) of IIJA to make potentially eligible for construction funding under IIJA two projects whose feasibility studies were authorized by IIJA, the Verde Reservoirs Sediment Mitigation Project and the Tualatin River Basin Project. The projects will have to comply with the requirements of section 40902(a)(2) of IIJA to become eligible for construction funding under IIJA.
- Subsection (c) grandfathers Federal and non-Federal storage projects that receive construction funding under the \$1.15 billion in storage funding in IIJA so they do not need further authorization to complete construction. Absent this provision, partly built projects might have to stop in the middle of construction to get Congressional authorization when section 40902 of IIJA expires in 2026.
- Subsection (d) reauthorizes the CALFED legislation through fiscal year 2026 (which we will update to fiscal year 2027 if and when the omnibus appropriations bill is enacted extending CALFED through 2022.)
- Section 105, Desalination Project Development, reauthorizes and amends the competitive grant program for desalination projects established in 2016 pursuant to the WIIN Act.
 - There are three key differences from the competitive grant program for desalination authorized in the WIIN Act:

1) **The authorization of appropriations has been increased to \$150 million over 5 years, as compared to the prior \$30 million over 5 years.** At least \$10 million is set aside for rural desalination projects. Subparagraph (F)(i).

2) **Congress does not need to approve funding awards for specific projects through designating the project by name in an enacted appropriations bill.**

- Reclamation can award funding to projects from available appropriations, after competitively evaluating grant applications from eligible projects.

3) **The bill establishes priority criteria for which projects to fund.** Subsection (b). These are based on and slightly modified from the prioritization criteria for desalination projects in Rep. Huffman's HR 3404, section 105(b).

- Subparagraph (B)(ii) includes provisions from former Senator Udall and former Representative Torres Small's 2019 Western Water Security Act (S. 2718/HR 4891) on rural desalination projects.
- Just as for non-federal storage projects and natural water retention and release projects, the following are required to obtain funding for desalination projects (subparagraph (C)):
 - 1) The Governor of the affected state supports federal funding of the project, and the project is included in a state-approved plan; and
 - 2) For construction funding, the state or local sponsor determines, and Reclamation concurs, that the project is feasible, and sufficient funding is available to complete it.
- The definition of an eligible project:
 - Makes clear that public private partnerships are eligible for funding as long as a state or local government entity pays either for the construction of the project or the water provided by the project. Subparagraph (A)(i).
 - Also allows any "organization with water or power delivery authority" to apply for funding if that organization constructs, operates and maintains the project. Subparagraph (A)(i). This language comes from the definition of an "eligible applicant" in section 9502 of the Secure Water Act.
- Section 106, Reclamation Infrastructure Finance and Innovation Pilot Program:
 - **Creates a new loan program at 30-year Treasury rates for water supply projects** known as the Reclamation Infrastructure Finance and Innovation Act (RIFIA). Subsection (a).
 - The \$125 million authorized funding for loans **would make available \$8 to \$12 billion in lending authority** under OMB's scoring parameters for similar loans under WIFIA.
 - Subsection (b) defines "eligible projects" to include projects that promote water conservation or water use efficiency in addition to water supply projects.

- Subsection (d) adopts the requirements of the Water Infrastructure Finance and Innovation Act (WIFIA) for determination of project eligibility and loan selection, and program administration.
- The roles of the Environmental Protection Agency (EPA) and the Bureau of Reclamation are defined by the agreement between the agencies that was completed in October 2019 pursuant to the 2018 Water Resources Development Act legislation. Under the agreement EPA will retain responsibility for administering any loans under the section.
- Subsection (e) authorizes \$150 million total for fiscal years 2023 through 2027, including \$125 million in federal outlays for supporting loans; and \$25 million in administrative costs for Reclamation and EPA.
- The \$125 million in federal outlays would support \$8 to \$12 billion in loan amounts under OMB's guidance for the parallel WIFIA program.
- A portion of the \$25 million in administrative costs could be used for technical assistance for small community projects, including paying a portion of the costs for acquiring rating opinion letters.
- Section 107, Drinking Water Assistance for Disadvantaged Communities
 - **This section is modeled after the text of a provision providing drinking water assistance for disadvantaged communities that was approved by the ENR and HNR majorities and included in the draft Build Back Better bill. This model provides considerable flexibility for the Secretary to design a program tailored to the needs of specific states in consultation with other federal agencies and state authorities working on this important issue.**
 - This section authorizes the Secretary, acting through the Commissioner of Reclamation, to enter into grants, contracts, or financial assistance agreements to provide drinking water for disadvantaged communities in a manner as determined by the Commissioner of Reclamation for up to 100 percent of the cost of the planning, design, or construction of water projects, or facilities or features of water projects. Subsection (a).
 - The term "disadvantaged community" is defined in section (2)(5) as a low-income community as described in section 45D(e) of the Internal Revenue Code of 1986.
 - \$100 million is authorized to be appropriated over 5 years. Subsection (b)(1).
 - The Secretary shall use at least a portion of the funds authorized by this section to incorporate into multiple benefit projects features or facilities to assist in providing domestic water supplies to disadvantaged communities. Subsection (b)(2).
- Section 108, Extraordinary Operation and Maintenance Work; Project Modification

- This section amends the existing Aging Infrastructure Program (Public Law 111-11, Title IX, Subtitle G) to authorize projects to not only repair aging Bureau of Reclamation facilities, but to modify the facilities to achieve increased public benefits and other project benefits.
- Congress appropriated \$3.2 billion for the Aging Infrastructure Program in the Infrastructure Investment and Jobs Act.
- If we are spending this much money to retool Reclamation infrastructure for the needs of the 21st century, the Secretary should have the authority to modify the projects to achieve increased public benefits and other project benefits, where she believes it is appropriate to do so.
- Paragraph (2) of the new subsection (e) establishes a few basic principles for any project modification:
 - It shall add no more than 25% of the project cost for projects costing over \$100 million, or no more than \$25 million for projects costing under \$100 million (projects exceeding these thresholds would need to be authorized by Congress);
 - At least 50% of the new benefits provided by the modification of the project must be public benefits (note that “new benefits” is a term defined in paragraph (1)); and
 - In order to undertake a project modification, the Secretary shall obtain the consent of:
 - The transferred works operating entity if the project involved is a transferred works; and
 - Any project beneficiary that would experience an adverse impact from the operation of the modified project (note that “adverse impact” is a term defined in paragraph (1)).
 - If the modified project creates a new project beneficiary, the Secretary cannot subsequently reoperate the project to increase the benefits to that new beneficiary without the consent of any project beneficiaries that would experience an adverse impact.
 - The costs of planning, design and environmental compliance of the modified project shall be allocated in accordance with Reclamation procedures, with the caveat that any project beneficiary who does not receive any increase in long-term average annual water deliveries as a result of the modification shall not be allocated any reimbursable portion of these costs.
- Paragraph (3) sets up a process for the Secretary to obtain consent for a modified project from project beneficiaries that would experience an adverse impact. If the

necessary consent is not obtained within twelve months of the date consent is requested, the extraordinary maintenance of the project shall proceed without the modification, subject to one twelve-month extension to obtain required consents at the Secretary's discretion.

- Paragraph (4) addresses the reallocation of costs based on project changes and increased public benefits. Public benefits shall be non-reimbursable, and the cost allocation of reimbursable costs to each project beneficiary shall reflect the changes in benefits that the project is providing to that beneficiary.
- Paragraph (5) addresses incentives to participate in modified projects where public benefits are increased, but not water contractor benefits.
 - The water contractors will face strong disincentives to participate in these projects. Some contractors may see their benefits reduced. All contractors will have to accept significant delay in obtaining the benefits of the restoration of these projects. It will take significant time to modify the projects in a manner that the contractors can accept, and then to conduct environmental compliance on the proposed modification. The contractors will also have to accept modified project operations that give increased priority to public benefits.
 - To offset these disincentives for water contractors to participate in projects which increase just public benefits, the bill reduces the reimbursable costs for such modified projects by 15%. The result is that each project beneficiary will pay 85% of the reimbursable costs for the modified project that the beneficiary would otherwise have been allocated.
 - **This paragraph sets up a financial incentive for water contractors to support modified projects that solely increase environmental and other public benefits without increasing water diversions or other water supply benefits.** Without this financial incentive, I expect water contractors will generally oppose such modification of the projects that they rely on for water deliveries.
 - This paragraph is also consistent with the provision of some non-reimbursable benefits for water supply in the context of other authorizations for projects that provide both water supply and substantial public benefits in a watershed:
 - Title XVI provides 25% non-reimbursable benefits for projects providing water supply that have watershed benefits through the use of recycled water;
 - The large-scale water recycling program that Congress just authorized in the Infrastructure Investment and Jobs Act provides up to 75% non-reimbursable benefits for projects that likewise provide both water supply and watershed benefits through the use of recycled water;

- Section 103 of this bill provides non-reimbursable benefits for non-Federal storage and conveyance projects to the extent that they provide increased public benefits in the watershed.
- Given the inevitability of increasingly severe and lengthy droughts as the West's climate changes, it will be essential to provide incentives to collaborate on multi-benefit projects that bring agricultural, environmental, and urban interests together to address the very serious challenge of maintaining sufficiently reliable water supply for all. This proposed amendment to the Aging Infrastructure Program seeks to increase incentives for such necessary collaboration.
- Section 109, Use of revenue to improve drought resilience.
 - **Issue:** Pursuant to the Sale of Water for Miscellaneous Purposes Act of 1920 (43 USC 521), the Warren Act of 1911 (43 USC 525), and corresponding Bureau of Reclamation (BOR) policy, any revenue from the sale of surplus water must be deposited into the Reclamation Fund and credited to capital repayment of the associated project. Under existing law, revenue from the sale of water continues to flow to the Reclamation Fund even after water users completed capital repayment of their project. As a result, there is no longer any benefit to the contractor from sale of surplus water unless the contractor receives another federal loan on the project.
 - **Importance:** Across the West, drought is stressing many water systems and new constraints often lead to water scarcity even in normal years. This is being compounded by aging BOR facilities that require significant investment to ensure they can continue to operate in a safe and effective fashion, especially as dams and other facilities are forced to withstand more variable and severe precipitation event as a result of climate change. Congress has responded to these challenges over the years by authorizing the Safety of Dams (SOD), Extraordinary Maintenance (XM), and other programs that assist water users in upgrading and repairing existing infrastructure by allowing for extended repayment of costs through contracts that are distinct from the capital repayment obligations for the original construction of BOR projects.
 - Despite the fact that operational flexibility and conservation are growing increasingly important in water management, existing Reclamation law provides very little incentive for paid-out BOR contractors that either have occasional surplus water or could create surplus water through system upgrades to make the investments or undertake the lengthy marketing and contracting necessary to realize a sale. This is especially true for projects that are currently in need of improvements that will increase drought resiliency or are repaying Reclamation for SOD or XM projects and can't use any incremental revenues to help cover payments.
 - **Solution:** This section changes existing law to ensure that water users are able to apply revenues derived from the temporary sale of surplus water to infrastructure to improve drought resiliency and for other existing BOR repayment obligations. This change to the treatment of revenue will incentivize water utilities to make water available to relieve

water shortages in their region, improve project drought resiliency, and accelerate repayment of existing obligations.

Title II, Improved Technology and Data

- Section 201, Reauthorization of the Transboundary Aquifer Assessment Program
 - This section reauthorizes the United States-Mexico Transboundary Aquifer Assessment Act (42 U.S.C. 1962 note; Public Law 109-448).
 - This section derives from former Senator Udall and former Representative Torres Small's 2019 Western Water Security Act (S. 2718/HR 4891).

Title III, Ecosystem Restoration and Protection

- Section 301, Restoration and Environmental Compliance
 - This section makes limited amendments to the competitive grant program for habitat restoration projects established in section 40907 of the Infrastructure Investment and Jobs Act.
 - Subsection (a) adds definitions of two new terms, "Committee" and "Project". The term "Committee" describes the "Integrated Water Management Leadership Committee" described more fully in subsection (c).
 - Subsection (b) amends section 40907(c)(1) of the Infrastructure Investment and Jobs Act (Public Law 117-58) to direct that Interior:

“(B) may not provide a grant to carry out a habitat restoration project the purpose of which is to meet existing environmental mitigation or compliance obligations that are express requirements of a permit or order issued under Federal or State law, unless such requirements expressly contemplate reliance on Federal funding in performance of the requirements.”
 - Subsection (c) supplements the \$100 million provided to the competitive grant program for habitat restoration in the bipartisan infrastructure bill with:
 - 1) An authorization of \$150 million total for the competitive grant program from fiscal year 2023 through fiscal year 2027; and
 - 2) An authorization of \$100 million total from fiscal year 2023 through fiscal year 2027 for other grants, contracts, and agreements to achieve the habitat restoration purposes of this section.
 - Subsection (c) also directs the Secretary to establish an Integrated Water Management Federal Leadership Committee which coordinates federal agency efforts to implement integrated water management projects, if requested to do so for a particular project by an eligible entity or qualified non-government organization partner.

- Finally, subsection (c) requires the Secretary to comply with applicable environmental laws in implementing this section.
- Section 302, Performance-based Restoration Authority
 - **Multiple large- and small-scale ecosystem restoration projects have been authorized or are required by law, yet implementation of these projects often stalls when federal agencies have competing priorities or don't have the resources or technical experience to undertake them successfully.** This section expedites the implementation of certain types of habitat and ecosystem restoration projects by **authorizing the Secretary of the Interior (Secretary) to enter into performance-based financial arrangements for the delivery of ecological targets and outcomes by experienced non-federal entities.** This section does not create a new program, but instead allows the use of performance-based financial arrangements under the Secretary's existing ecosystem and habitat restoration authorities. It is needed to both expedite completion of many restoration projects—including large, multi-year projects—and to clarify that performance-based financial mechanisms are an authorized use of federal funds for such projects. The section additionally furthers the goals of reducing costs to the federal government in undertaking such projects and increasing flexibility in the administration of funding for such projects, consistent with federal acquisition regulations.
 - In General. Subsection (b) authorizes the Secretary, in implementing existing authorities under Federal law related to habitat and ecosystem restoration, to—
 - (1) enter into performance-based contracts, grant agreements, and cooperative agreements for habitat and ecosystem restoration, mitigation, and enhancement projects where ecological targets and outcomes are
 - clearly defined,
 - agreed upon in advance, and
 - capable of being successfully achieved
 - (2) enter into performance-based contracts with eligible restoration providers experienced in financing and completing successful ecological habitat and restoration, mitigation, and enhancement activities.
 - (3) provide grant and award agreements for habitat and ecosystem restoration, mitigation, and enhancement projects as described in paragraph (1) and allow for the use of performance-based tools in such agreements.
 - (4) provide pass-through financing for funds granted or awarded to non-federal third parties utilizing performance-based contracts for projects authorized under paragraph (1).
 - (5) use performance-based financial mechanisms for multi-year projects.
 - Guidelines. Subsection (c) directs the Secretary to—
 - (1) develop guidelines for using performance-based financing and to consult with experienced external organizations in developing such guidelines. Such consultation shall not constitute or require establishing a committee under the Federal Advisory Committee Act. Guidelines shall include guidance on

- appropriate proposal and project evaluation criteria,
 - restoration provider eligibility criteria,
 - criteria for defining achievable ecological outcomes, and
 - determination of restoration provider financial assurances sufficient to ensure ecological outcomes will be successfully achieved.
- Identification of Eligible Projects. Subsection (d) directs the Secretary to identify opportunities for using performance-based financing for projects authorized in subsection (b)(1) and issue a request for proposals from eligible restoration providers to undertake such projects.
- Certification. Under subsection (e), the Secretary shall certify that work was completed in accordance with ecological requirements and outcomes previously agreed to.
- Technical Assistance. Subsection (f) authorizes the Secretary to provide technical assistance to restoration providers for studies, design, engineering, and permitting.
- Rule of Construction. Subsection (g) clarifies that nothing in the section authorizes the Secretary to waive any obligation of the Secretary or non-Federal parties under federal environmental law.
- Non-Federal Funding. Subsection (h) authorizes use of performance-based financing under the act for non-federal project cost shares, on the condition that the non-federal cost-share responsibility remains with the non-federal party.
- Cost Share. Subsection (i) clarifies that nothing in the section shall affect a cost-sharing requirement under Federal law that is applicable to a project carried out under the performance-based restoration authority established under subsection (a).
- Mitigation. Subsection (j) clarifies that nothing in this section shall authorize Federal funding to meet existing environmental mitigation or compliance obligations that are express requirements of a permit or order issued under Federal or State law, unless such requirements expressly contemplate reliance on Federal funding in performance of the requirements
- Report. Subsection (k) requires the Secretary to
 - (1) issue and submit to Congress a report describing results of, and impediments to, the use of performance-based financing within 3 years of the date of enactment, and
 - (2) address such impediments, if any—to the extent practicable—and to protect the public interest and investment in projects financed under the Act.

Title IV, Miscellaneous

- Section 401, Amendments to Reclamation States Emergency Drought Relief Act.
 - Droughts have become more frequent than when the Reclamation States Emergency Drought Relief Act was enacted in 1991. As a result, some amendments appear appropriate to the Act to reflect the increased frequency of droughts.
 - The existing Act limits permanent facilities that it authorizes to groundwater wells.
 - Given the increased frequency of droughts, it seems more efficient to install a greater number of permanent facilities than to frequently install and remove temporary facilities.
 - Subsection (a) therefore provides authorization during a declared drought emergency for any permanent facilities or projects up to a federal investment of \$30 million that are supported by the relevant State (or tribe if the facility is on an Indian reservation).
 - The \$30 million threshold comes from the Infrastructure Investment and Jobs Act, which creates a precedent authorizing Interior to proceed with projects up to \$30 million without Congressional authorization of the specific projects (in that Act this precedent is applied to small storage projects).
 - Subsection (b) addresses the problem of drought shortfalls in environmental funding programs like the Central Valley Improvement Act that derive their funding from per acre fees in water delivered.
 - Because their funding varies by the amount of water delivered, these programs provide substantially less environmental funding precisely when the funding is most needed, during droughts.
 - Subsection (b) would authorize non-reimbursable funding to make up these shortfalls, without affecting the Secretary's legal obligations to the environment or existing authority to make up shortfalls in environmental funding in non-drought years.
 - Subsection (c) amends the existing Act to clarify that it applies to drought emergencies declared for portions of States, and does not require drought emergencies to apply to an entire State.
 - Subsection (d) extends the Reclamation States Emergency Drought Relief Act authorization to 2031.
- Section 402, Technical Amendment to Infrastructure Investment and Jobs Act.
 - The Infrastructure Investment and Jobs Act (the bipartisan infrastructure bill) allows COVID relief funds granted to states and counties to be used for the local cost-share for

Bureau of Reclamation water projects.

- This section contains a technical amendment to section 40909 of the Act.
 - The technical amendment would allow COVID relief funds to be used for the local cost-share not just for Reclamation projects, but for non-Federal projects that are authorized by Congress to receive Reclamation funding.
 - Once COVID relief funds have been authorized for the local cost-share of authorized Bureau of Reclamation projects, we see no reason not to extend their use to the local cost-share of non-Federal projects authorized to receive Reclamation funding.
- Section 403, Savings Clause
 - This section requires the Act to be implemented consistent with applicable State law and Federal environmental law.
- Section 404, Effect
 - This section provides that nothing in this Act shall interfere with any obligation of a State under the Rio Grande Compact.

Title: To support water infrastructure in Reclamation States, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) Short Title.—This Act may be cited as the “Support To Rehydrate the Environment, Agriculture, and Municipalities Act” or the “STREAM Act”.

(b) Table of Contents.—The table of contents for this Act is as follows:

Sec.1.Short title; table of contents.

Sec.2.Definitions.

TITLE I—INFRASTRUCTURE DEVELOPMENT

Sec.101.Competitive grant program for the funding of water recycling projects.

Sec.102.Annual report to Congress.

Sec.103.Competitive grant program for non-Federal storage projects.

Sec.104.Funding for non-Federal storage projects, and storage and conveyance projects eligible under the Infrastructure Jobs and Investment Act.

Sec.105.Eligible desalination project development.

Sec.106.Reclamation infrastructure finance and innovation pilot program.

Sec.107.Drinking water assistance for disadvantaged communities.

Sec.108.Extraordinary operation and maintenance work; project modification.

Sec.109.Use of revenue to improve drought resilience.

TITLE II—IMPROVED TECHNOLOGY AND DATA

Sec.201.Reauthorization of the transboundary aquifer assessment program.

TITLE III—ECOSYSTEM RESTORATION AND PROTECTION

Sec.301.Ecosystem restoration.

Sec.302.Performance-based restoration authority.

TITLE IV—MISCELLANEOUS

Sec.401.Modifications to drought program under the Reclamation States Emergency Drought Relief Act of 1991.

Sec.402.Clarification of authority to use coronavirus fiscal recovery funds to meet a non-Federal matching requirement for authorized water projects.

1 Sec.403.Environmental compliance.

2 Sec.404.Effect.

3 SEC. 2. DEFINITIONS.

4 In this Act:

5 (1) ANNUAL REPORT.—The term “annual report” means a report required under section
6 102(a).

7 (2) AUTHORIZED PROJECT.—The term “authorized project” means a storage project
8 authorized by an Act of Congress, including through an applicable standing authorization
9 under section 5B of the Reclamation Safety of Dams Act of 1978 (43 U.S.C. 509b) or any
10 other applicable law.

11 (3) AUTHORIZING COMMITTEES OF CONGRESS.—The term “authorizing committees of
12 Congress” means—

13 (A) the Committee on Energy and Natural Resources of the Senate; and

14 (B) the Committee on Natural Resources of the House of Representatives.

15 (4) DESIGN; STUDY.—

16 (A) IN GENERAL.—The terms “design” and “study” include any design, permitting,
17 study (including a feasibility study), materials engineering or testing, surveying, or
18 preconstruction activity relating to a water storage facility.

19 (B) EXCLUSIONS.—The terms “design” and “study” do not include an appraisal
20 study or other preliminary review intended to determine whether further study is
21 appropriate.

22 (5) DISADVANTAGED COMMUNITY.—The term “disadvantaged community” means a low-
23 income community (as defined in section 45D(e) of the Internal Revenue Code of 1986).

24 (6) ELIGIBLE DESALINATION PROJECT.—The term “eligible desalination project” has the
25 meaning given the term in paragraph (2) of section 4(a) of the Water Desalination Act of
26 1996 (42 U.S.C. 10301 note; Public Law 104–298) (as amended by section 105(a)).

27 (7) ELIGIBLE ENTITY.—The term “eligible entity” means—

28 (A) any State, political subdivision of a State, department of a State, or public
29 agency organized pursuant to State law;

30 (B) an Indian Tribe (as defined in section 4 of the Indian Self-Determination and
31 Education Assistance Act (25 U.S.C. 5304)) or an entity controlled by an Indian Tribe;

32 (C) a water users’ association;

33 (D) an agency established by an interstate compact; and

34 (E) an agency established under State law for the joint exercise of powers.

35 (8) FEDERAL BENEFIT.—The term “Federal benefit”, with respect to a non-Federal storage
36 project, water recycling project, or eligible desalination project, means—

37 (A) public benefits provided directly by a project;

(B) public benefits that—

(i) are—

(I) fish and wildlife benefits described in paragraph (12)(A)(i); or

(II) water quality benefits;

(ii) are provided by the implementation of a watershed restoration plan approved with the project; and

(iii) represent an increased Federal commitment in the watershed as compared to Federal commitments before the date of approval of the project;

(C) benefits to a watershed from a water recycling project or eligible desalination project; or

(D) water supply benefits identified in accordance with the reclamation laws.

(9) FEDERAL STORAGE PROJECT.—The term “Federal storage project” means any project constructed by the Bureau of Reclamation—

(A) that involves the construction or expansion of—

(i) a surface water storage facility; or

(ii) a facility conveying water to or from surface or groundwater storage; and

(B) to which the United States holds or will hold title.

(10) NATURAL WATER RETENTION AND RELEASE PROJECT.—

(A) IN GENERAL.—The term “natural water retention and release project” means a non-Federal storage project designed and developed to increase water availability for optimal management through aquifer recharge, floodplain retention, the alteration of the timing of runoff to allow increased utilization of existing storage facilities, or another mechanism that—

(i) uses primarily natural materials appropriate to the specific site and landscape setting; and

(ii) substantially mimics natural riverine, wetland, ecosystem, or hydrologic processes.

(B) INCLUSIONS.—The term “natural water retention and release project” includes—

(i) a single natural water retention and release project;

(ii) several distributed natural water retention and release projects across a watershed; and

(iii) the redesign, modification, or replacement of existing infrastructure to incorporate natural water retention and release elements.

(11) NON-FEDERAL STORAGE PROJECT.—The term “non-Federal storage project” means any project in a Reclamation State that—

(A) involves the construction or expansion by an eligible entity of—

- (i) a surface or groundwater storage project that is not federally owned;
- (ii) a facility that is not federally owned conveying water to or from surface or groundwater storage; or
- (iii) a natural water retention and release project; and

(B) provides a benefit in meeting any obligation under applicable Federal law (including regulations).

(12) PUBLIC BENEFIT.—The term “public benefit”, with respect to a non-Federal storage project, water recycling project, or desalination project, means—

(A)(i) fish and wildlife benefits in excess of express mitigation and environmental compliance obligations under applicable Federal and State law, including regulations, permits, contracts, licenses, grants, or orders or decisions from Federal and State courts, in effect on the date on which amounts are made available for the applicable project under this Act;

(ii) flood control benefits;

(iii) recreational benefits;

(iv) water quality benefits; and

(v) any other benefits that are nonreimbursable under the reclamation laws;

(B) drinking water supply for disadvantaged communities, including through groundwater recharge;

(C) emergency drinking water supply used in response to a disaster declaration by a Governor; and

(D) energy savings benefits, including—

(i) the value of associated greenhouse gas reductions; and

(ii) any reduction in energy costs for Federal taxpayers, such as reduced water delivery costs for water providing fish and wildlife benefits.

(13) QUALIFIED PARTNER.—The term “qualified partner” means a nonprofit organization operating in a Reclamation State that is acting with the written support of an eligible entity.

(14) RECLAMATION LAWS.—The term “reclamation laws” means Federal reclamation law (the Act of June 17, 1902 (32 Stat. 388, chapter 1093), and Acts supplemental to and amendatory of that Act (43 U.S.C. 371 et seq.)).

(15) RECLAMATION STATE.—The term “Reclamation State” has the meaning given the term in section 4014 of the Water Infrastructure Improvements for the Nation Act (43 U.S.C. 390b note; Public Law 114–322).

(16) RELEVANT COMMITTEES OF CONGRESS.—The term “relevant committees of Congress” means—

(A) the Committee on Appropriations of the Senate;

(B) the Committee on Energy and Natural Resources of the Senate;

(C) the Committee on Appropriations of the House of Representatives; and

(D) the Committee on Natural Resources of the House of Representatives.

(17) SECRETARY.—The term “Secretary” means the Secretary of the Interior.

(18) STORAGE PROJECT.—The term “storage project” means a Federal storage project or a non-Federal storage project.

(19) WATER RECYCLING PROJECT.—The term “water recycling project” means a project provided a grant under section 1602(f) of the Reclamation Wastewater and Groundwater Study and Facilities Act (43 U.S.C. 390h(f)).

(20) WATERSHED.—The term “watershed” includes—

(A) an entire watershed; or

(B) any portion of a watershed, including the upper or lower reaches of the watershed.

(21) WATERSHED RESTORATION PLAN.—The term “watershed restoration plan” means a plan approved by the Secretary that would provide benefits to the affected watershed from a non-Federal storage project and other projects and activities, including—

(A)(i) restoration of fish and wildlife habitat or flows; or

(ii) water quality benefits; and

(B) water supply benefits.

TITLE I—INFRASTRUCTURE DEVELOPMENT

SEC. 101. COMPETITIVE GRANT PROGRAM FOR THE FUNDING OF WATER RECYCLING PROJECTS.

(a) Authorization of New Water Recycling Projects.—Section 1602 of the Reclamation Wastewater and Groundwater Study and Facilities Act (43 U.S.C. 390h) is amended—

(1) in subsection (e)(2)(B), by striking “in accordance with the reclamation laws”; and

(2) in subsection (f)—

(A) in paragraph (1), by striking “, subject to subsection (g)(2)”; and

(B) by striking paragraph (2) and all that follows through the end of subsection (g) and inserting the following:

“(2) PRIORITIES AND DIVERSITY OF PROJECT TYPES.—In providing grants under paragraph (1), the Secretary shall—

“(A) give priority to projects that—

“(i) are likely to provide a more-reliable water supply for a unit of State or local government;

“(ii) are likely to increase the water management flexibility and reduce impacts on environmental resources; or

“(iii) provide multiple benefits, including water supply reliability, ecosystem benefits, system reliability benefits, groundwater management and enhancements, and water quality improvements; and

“(B) take into consideration selecting a diversity of project types, including projects that serve—

“(i) a region or more than 1 community;

“(ii) a rural or small community; or

“(iii) an urban community or city.

“(g) Authorization of Appropriations.—In addition to amounts made available under section 40901(4)(A) of the Infrastructure Investment and Jobs Act (Public Law 117–58), there is authorized to be appropriated to the Secretary to carry out subsections (e) and (f) \$300,000,000 for the period of fiscal years 2023 through 2027.”.

(b) Limitation on Funding.—Section 1631(d) of the Reclamation Wastewater and Groundwater Study and Facilities Act (43 U.S.C. 390h–13(d)) is amended—

(1) in paragraph (1)—

(A) by striking “by paragraph (2)” and inserting “in paragraphs (2) and (3)”; and

(B) striking “\$20,000,000 (October 1996 prices)” and inserting “\$50,000,000 (in prices as determined for January 2022)”; and

(2) in paragraph (2)—

(A) in subparagraph (B)—

(i) by striking “(B) In the case” and inserting the following:

“(B) SAN GABRIEL BASIN.—In the case”; and

(ii) by indenting clauses (i) and (ii) appropriately; and

(B) by striking “(2)(A) Subject to” and inserting the following:

“(2) PROJECTS FUNDED AS OF 2021.—The Federal share of the cost of any single project authorized under this title shall be \$20,000,000 (October 1996 prices) if the project has received that amount as of December 31, 2021.

“(3) OLDER PROJECTS.—

“(A) IN GENERAL.—Subject to”.

SEC. 102. ANNUAL REPORT TO CONGRESS.

(a) Annual Reports.—Not later than February 1 of each year, the Secretary shall develop and submit to the authorizing committees of Congress an annual report, to be entitled “Report to Congress on Future Storage Project Development”, that—

(1) identifies, with respect to Federal storage projects and non-Federal storage projects—

(A) each feasibility report that—

(i) meets the criteria established under subsection (c)(1)(A); and

(ii) is recommended by the Secretary for congressional authorization for construction;

(B) each proposed feasibility study submitted to the Secretary by an eligible entity pursuant to subsection (b) that meets the criteria established under subsection (c)(1)(A);

(C) any proposed modification to an authorized project that meets the criteria established under subsection (c)(1)(A) that is—

(i) submitted to the Secretary by an eligible entity pursuant to subsection (b); or

(ii) identified by the Secretary for authorization; and

(2) provides a status update for each feasibility study for a Federal storage project that is under evaluation during the period covered by the report and is intended to meet the criteria established under subsection (c)(1)(A), including identifying—

(A) the initiation date of the feasibility study;

(B) the percentage completion of the feasibility study; and

(C) the expected completion date of the feasibility study.

(b) Requests for Proposals.—

(1) PUBLICATION.—Not later than May 1 of each year, the Secretary shall publish a notice requesting proposals from eligible entities for proposed feasibility studies and proposed modifications to authorized projects to be included in the annual report.

(2) DEADLINE FOR REQUESTS.—The Secretary shall include in each notice required under this subsection a requirement that eligible entities submit to the Secretary any proposals described in paragraph (1) by not later than 120 days after the date of publication of the notice in order for the proposals to be considered for inclusion in the annual report.

(3) NOTIFICATION.—On the date of publication of each notice required by this subsection, the Secretary shall—

(A) make the notice publicly available, including on the internet; and

(B) provide written notification of the publication to the relevant committees of Congress.

(c) Contents.—

(1) INCLUSIONS.—

(A) CRITERIA.—The Secretary shall include in the annual report—

(i) subject to subparagraph (B), a feasibility report or proposed feasibility study for, or proposed modifications to, a Federal storage project or non-Federal storage project that—

(I) the Secretary determines is related to the missions and authorities of the Bureau of Reclamation;

(II) requires specific congressional authorization, including by an Act of Congress;

(III) the Secretary determines could be eligible for design, study, or construction; and

(IV) has not been authorized by Congress; and

(ii) a list of, as of the date of the annual report—

(I) each non-Federal storage project that is under construction;

(II) each feasibility study that is being conducted for non-Federal storage projects; and

(III) the amount of appropriated funding that the Secretary has awarded to each project or feasibility study listed under subclause (I) or (II).

(B) LIMITATIONS.—Notwithstanding subparagraph (A)(i)—

(i) a feasibility study shall not be included in an annual report if the feasibility study was included in any previous annual report; and

(ii) a feasibility report for a non-Federal storage project shall not be included in an annual report unless the project has a Federal cost-share of more than \$250,000,000.

(C) DESCRIPTION OF BENEFITS.—The Secretary shall describe in the annual report, to the extent applicable and practicable, for each proposed feasibility study and proposed modification to an authorized project included in the annual report, the benefits of each project or proposed modification.

(D) IDENTIFICATION OF OTHER FACTORS.—The Secretary shall identify in the annual report, to the extent practicable—

(i) for each proposed feasibility study included in the annual report, the eligible entity that submitted the proposed project study pursuant to subsection (b); and

(ii) for each proposed feasibility study and proposed modification to a project included in the annual report, whether the eligible entity has demonstrated—

(I) that local support exists for the proposed feasibility study or proposed modification to an authorized project (including the project that is the subject of the proposed feasibility study or the proposed modification); and

(II) the financial ability to provide the required non-Federal cost share.

(2) TRANSPARENCY.—The Secretary shall include in the annual report, for each feasibility report, proposed feasibility study, and proposed modification to a project included under paragraph (1)(A)—

(A) the name of the associated eligible entity, including the name of any eligible entity that has contributed, or is expected to contribute, a non-Federal share of the cost of—

(i) the feasibility report;

(ii) the proposed feasibility study; or

(iii) construction of—

(I) the project that is the subject of—

(aa) the feasibility report; or

(bb) the proposed feasibility study; or

(II) the proposed modification to a project;

(B) a letter or statement of support for the feasibility report, proposed feasibility study, or proposed modification to a project from each associated eligible entity;

(C) the purpose of the feasibility report, proposed feasibility study, or proposed modification to a project;

(D) an estimate, to the extent practicable, of the Federal, non-Federal, and total costs of construction of—

(i) the project that is the subject of the feasibility report; or

(ii) the proposed modification to an authorized project; and

(E) an estimate, to the extent practicable, of the monetary and nonmonetary benefits of—

(i) the project that is the subject of the feasibility report; or

(ii) the proposed modification to an authorized project.

(3) CERTIFICATION.—The Secretary shall include in the annual report a certification stating that each feasibility report, proposed feasibility study, and proposed modification to a project included in the annual report meets the criteria established under paragraph (1)(A).

(4) APPENDIX.—

(A) IN GENERAL.—The Secretary shall include in the annual report an appendix listing the proposals submitted under subsection (b) that were not included in the annual report under paragraph (1)(A) and a description of why the Secretary determined that those proposals did not meet the criteria for inclusion under that paragraph.

(B) LIMITATION.—The Secretary shall not include—

(i) in an appendix under subparagraph (A) any proposal that meets the criteria for inclusion in the annual report solely on the basis of a determination by the Secretary that the proposal requires legislative changes to an authorized project or feasibility study; or

(ii) in an appendix under subparagraph (A) or any other part of the annual report any proposal that meets the criteria for inclusion in the annual report solely on the basis of a policy of the Secretary.

(d) Special Rule for Initial Annual Report.—Notwithstanding any other deadline under this section, the Secretary shall—

(1) not later than 60 days after the date of enactment of this Act, publish a notice required under subsection (b)(1); and

(2) include in the notice a requirement that eligible entities submit to the Secretary any

proposals described in subsection (b)(1) by not later than 120 days after the date of publication of the notice in order for the proposals to be considered for inclusion in the first annual report developed by the Secretary under this section.

(e) Publication.—On submission of an annual report to Congress, the Secretary shall make the annual report publicly available, including through publication on the internet.

SEC. 103. COMPETITIVE GRANT PROGRAM FOR NON-FEDERAL STORAGE PROJECTS.

(a) Definitions.—In this section:

(1) ELIGIBLE ENTITY.—The term “eligible entity” means—

(A) a State, Indian Tribe, municipality, irrigation district, water district, wastewater district, or other organization with water or power delivery authority;

(B) a State, regional, or local authority, the members of which include 1 or more organizations with water or power delivery authority; or

(C)(i) an agency established under State law for the joint exercise of powers;

(ii) a combination of entities described in subparagraphs (A) and (B); or

(iii) with respect to a natural water retention and release project, a qualified partner.

(2) ELIGIBLE PROJECT.—The term “eligible project” means a project described in subsection (c).

(3) PROGRAM.—The term “program” means the grant program established under subsection (b).

(4) RECLAMATION STATE.—The term “Reclamation State” means a State or territory described in the first section of the Act of June 17, 1902 (32 Stat. 388, chapter 1093; 43 U.S.C. 391).

(b) Establishment.—The Secretary shall establish a program to provide grants to eligible entities on a competitive basis for the planning, design, and construction of non-Federal storage projects that provide substantial water supply and other benefits to a Reclamation State in accordance with this section.

(c) Eligible Project.—A project shall be eligible for a grant under this section if the project—

(1) involves the construction or expansion by an eligible entity of—

(A) a surface or groundwater storage project that is not federally owned;

(B) a facility that is not federally owned that conveys water to or from surface or groundwater storage; or

(C) a natural water retention and release project;

(2) has a Federal cost-share of not more than \$250,000,000;

(3) is located in a Reclamation State;

(4) is constructed, operated, and maintained by an eligible entity; and

(5) provides a Federal benefit.

(d) Project Evaluation.—The Secretary may provide a grant to an eligible entity for an eligible project under the program—

(1) for the study of the eligible project, if the Secretary has identified the potential for sufficient Federal benefits from the eligible project to proceed;

(2) for the construction of a non-Federal storage project that is not a natural water retention and release project, if—

(A) the eligible entity determines through the preparation of a feasibility study or equivalent study, and the Secretary concurs, that the eligible project—

(i) is technically and financially feasible;

(ii) provides a Federal benefit; and

(iii) is consistent with applicable Federal and State laws;

(B) the eligible entity has sufficient non-Federal funding available to complete the eligible project, as determined by the Secretary;

(C) the eligible entity is financially solvent, as determined by the Secretary;

(D) the Governor, a member of the cabinet of the Governor, or the head of a department of the Reclamation State in which the non-Federal storage project is located supports the project or Federal funding of the project; and

(E) not later than 30 days after the date on which the Secretary concurs with the determinations under subparagraph (A) with respect to the eligible project, the Secretary submits to Congress written notice of the determinations; and

(3) for a natural water retention and release project—

(A) that costs not more than \$10,000,000, if the eligible entity demonstrates that the natural water retention and release project would help optimize the storage or delivery of water in a watershed in which a Bureau of Reclamation facility is located; and

(B) that costs more than \$10,000,000, if—

(i) the conditions described in paragraph (2) have been met; and

(ii) the eligible entity determines, and the Secretary concurs, that—

(I) the natural water retention and release project would produce or allow additional retention or delivery of water in a watershed in which a Bureau of Reclamation facility is located; and

(II) there is a credible estimate of the quantity of the storage benefit of the natural water retention and release project during each of a “wet” year, a “normal” year, and a “dry” year.

(e) Priority.—In providing grants to eligible entities for eligible projects under the program, the Secretary shall give funding priority to an eligible project that directly or through watershed restoration plans approved with the project meets 2 or more of the following criteria:

(1) Provides multiple benefits, including substantial quantities of each of the following:

(A) Water supply reliability benefits for drought-stricken States and communities.

(B) Fish and wildlife benefits.

(C) Water quality improvements.

(2) Reduces impacts on environmental resources from water projects owned or operated by Federal agencies and State agencies, including through measurable reductions in water diversions from imperiled ecosystems.

(3) Advances water management plans across a multi-State area, such as drought contingency plans in the Colorado River Basin.

(4) Is collaboratively developed or supported by multiple stakeholders.

(f) Federal Assistance.—

(1) FEDERAL COST SHARE.—

(A) IN GENERAL.—Except as provided in subparagraph (B), the Federal share of the cost of any eligible project provided a grant under the program shall not exceed 25 percent of the total cost of the eligible project.

(B) EXCEPTION.—The Federal share of the cost of a natural water retention and release project provided a grant under the program shall not exceed 90 percent of the total cost of the natural water retention and release project.

(2) TOTAL DOLLAR CAP.—The Secretary shall not impose a total dollar cap on Federal contributions for all eligible projects provided a grant under the program.

(3) REIMBURSABILITY OF FUNDS.—

(A) NONREIMBURSABLE FUNDS.—Subject to subparagraph (B), any funds provided by the Secretary to an eligible entity under the program for the value of public benefits described in subparagraphs (A) and (B) of section 2(8) shall be considered nonreimbursable.

(B) REIMBURSABLE FUNDS.—If any funding provided under subparagraph (A) is less than 25 percent of the total cost of the eligible project, the Secretary may provide reimbursable funds to an eligible entity for any Federal benefits provided under section 2(8)(D) for not more than 25 percent of the total cost of the eligible project.

(g) Environmental Laws.—In providing a grant for an eligible project under the program, the Secretary shall comply with all applicable environmental laws, including the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.).

(h) Guidance.—Not later than 1 year after the date of enactment of this Act, the Secretary shall issue guidance on the implementation of the program, including guidelines for the preparation of feasibility studies or equivalent studies by eligible entities.

(i) Reports.—

(1) ANNUAL REPORT.—At the end of each fiscal year, the Secretary shall make available on the website of the Department of the Interior an annual report that lists each eligible project for which a grant has been awarded under this section during the fiscal year.

(2) COMPTROLLER GENERAL.—

(A) ASSESSMENT.—The Comptroller General of the United States shall conduct an assessment of the administrative establishment, solicitation, selection, and justification process with respect to the funding of grants under this section.

(B) REPORT.—Not later than 1 year after the date on which a grant is initially awarded under this section, the Comptroller General of the United States shall submit to the Committee on Energy and Natural Resources of the Senate and the Committee on Natural Resources of the House of Representatives a report that describes—

(i) the adequacy and effectiveness of the process by which each eligible project was selected, if applicable; and

(ii) the justification and criteria used for the selection of each eligible project, if applicable.

(j) Treatment of Conveyance.—The planning, design, and construction of a conveyance system for an eligible project shall be eligible for grant funding under the program.

SEC. 104. FUNDING FOR NON-FEDERAL STORAGE PROJECTS, AND STORAGE AND CONVEYANCE PROJECTS ELIGIBLE UNDER THE INFRASTRUCTURE JOBS AND INVESTMENT ACT.

(a) Funding.—

(1) AUTHORIZATION OF APPROPRIATIONS.—In addition to amounts made available under section 40901(1) of the Infrastructure Investment and Jobs Act (Public Law 117–58), there is authorized to be appropriated to the Secretary to carry out this section \$750,000,000 for the period of fiscal years 2023 through 2027, of which \$50,000,000 is authorized to be appropriated during that period to carry out natural water retention and release projects under section 103(d)(3).

(2) ALLOCATION.—Subject to paragraphs (3) and (5), the Secretary shall allocate amounts made available under paragraph (1) among—

(A) the design and study of—

(i) non-Federal storage projects, including natural water retention and release projects; and

(ii) storage projects that are eligible for study funding under subsection (a)(1) of section 40902 of the Infrastructure Investment and Jobs Act (Public Law 117–58), if the amounts made available to the storage projects under this clause are provided in accordance with subsections (b) and (c) of that section; and

(B) construction of—

(i) non-Federal storage projects, including natural water retention and release projects; and

(ii) storage projects that have received construction funding in accordance with subsection (a)(2) of section 40902 of the Infrastructure Investment and Jobs Act

(Public Law 117–58), if the amounts made available to the storage projects under this clause are provided in accordance with subsections (b) and (c) of that section.

(3) PRELIMINARY STUDIES.—Of the amounts made available under paragraph (1), not more than 25 percent shall be provided for appraisal studies, feasibility studies, or other preliminary studies.

(4) WIIN ACT STORAGE FUNDING.—The Secretary may award funding made available under section 4007(h) of the Water Infrastructure Improvements for the Nation Act (43 U.S.C. 390b note; Public Law 114–322) to—

(A) non-Federal storage projects, including natural water retention and release projects;

(B) storage projects that are eligible for study funding under subsection (a)(1) of section 40902 of the Infrastructure Investment and Jobs Act (Public Law 117–58), if the amounts made available under this subparagraph to storage projects is provided in accordance with subsections (b) and (c) of that section; and

(C) storage projects that have received construction funding in accordance with subsection (a)(2) of section 40902 of the Infrastructure Investment and Jobs Act (Public Law 117–58), if the amounts made available to storage projects under this subparagraph is provided in accordance with subsections (b) and (c) of that section.

(5) OTHER STORAGE PROJECTS.—The funds appropriated under paragraph (1) may not be used for storage projects other than those described in paragraph (2) unless authorized by an Act of Congress.

(6) USE OF FUNDING FOR PUBLIC BENEFITS.—

(A) IN GENERAL.—The Federal share of the cost of public benefits provided by a storage project described in paragraph (2) may be used for—

(i) the capital and operations, maintenance, and replacement costs of public benefits; and

(ii) the operations, maintenance, and replacement costs of public benefits described in section 2(12)(A), the capital costs of which are funded by the applicable Reclamation State.

(B) EFFECT.—Nothing in this paragraph precludes the Secretary from using other authorities or appropriations for the capital and operations, maintenance, and replacement costs of a non-Federal storage project to provide public benefits.

(b) Amendment to the Infrastructure Jobs and Investment Act.—Section 40902(a)(2)(C)(i) of the Infrastructure Investment and Jobs Act (Public Law 117–58) is amended by striking “clause (i) or (ii)” and inserting “clause (i), (ii), or (iii)”.

(c) Authorization To Complete Storage Projects That Receive Construction Funding.—

(1) DEFINITION OF CONSTRUCTION.—In this subsection, the term “construction” has the meaning given the term in section 4011(f) of the Water Infrastructure Improvements for the Nation Act (Public Law 114–322; 130 Stat. 1881).

(2) EXTENSION OF EXISTING REQUIREMENTS.—A storage project that has received funding

for construction activities in accordance with section 40901(1) of the Infrastructure Investment and Jobs Act (Public Law 117–58) shall be eligible for funding (including funding authorized under this section or an amendment made by this section), to complete construction of the project in accordance with the standards under section 40902 of that Act.

(d) Calfed Reauthorization.—Title I of Public Law 108–361 (118 Stat. 1681; 123 Stat. 2860; 128 Stat. 164; 128 Stat. 2312; 129 Stat. 2407; 130 Stat. 1866; 133 Stat. 2669), as amended by section 204 of the Energy and Water Development and Related Agencies Appropriations Act, 2021 (Public Law 116–260), is amended by striking “2021” each place it appears and inserting “2026”.

SEC. 105. ELIGIBLE DESALINATION PROJECT DEVELOPMENT.

(a) Eligible Desalination Projects Authorization.—Section 4(a) of the Water Desalination Act of 1996 (42 U.S.C. 10301 note; Public Law 104–298) is amended by striking paragraph (2) and inserting the following:

“(2) PROJECTS.—

“(A) DEFINITIONS.—In this paragraph:

“(i) ELIGIBLE DESALINATION PROJECT.—The term ‘eligible desalination project’ means any project located in a Reclamation State, or for which the construction, operation, sponsorship, or funding is the responsibility of, and the primary water supply benefit accrues to, 1 or more entities in a Reclamation State, that—

“(I) involves an ocean or brackish water desalination facility—

“(aa) constructed, operated, and maintained by a State, Indian Tribe, irrigation district, water district, or other organization with water or power delivery authority; or

“(bb) sponsored or funded by any combination of a State, department of a State, political subdivision of a State, or public agency organized pursuant to State law, including through—

“(AA) direct sponsorship or funding; or

“(BB) indirect sponsorship or funding, such as by paying for the water provided by the facility;

“(II) provides a Federal benefit; and

“(III) is consistent with applicable Federal and State resource protection laws, including any law relating to the protection of marine protected areas.

“(ii) FEDERAL BENEFIT; RECLAMATION STATE; RELEVANT COMMITTEES OF CONGRESS.—The terms ‘Federal benefit’, ‘Reclamation State’, and ‘relevant committees of Congress’ have the meaning given the terms in section 2 of the Support To Rehydrate the Environment, Agriculture, and Municipalities Act.

“(iii) RURAL DESALINATION PROJECT.—The term ‘rural desalination project’ means an eligible desalination project that is designed to serve a community or

group of communities, each of which has a population of not more than 25,000 inhabitants.

“(B) COST-SHARING REQUIREMENT.—

“(i) IN GENERAL.—Subject to the requirements of this subsection and notwithstanding section 7, the Federal share of an eligible desalination project carried out under this subsection shall be—

“(I) not more than 25 percent of the total cost of the eligible desalination project; or

“(II) in the case of a rural desalination project, the applicable percentage determined in accordance with clause (ii).

“(ii) RURAL DESALINATION PROJECTS.—

“(I) COST-SHARING REQUIREMENT FOR APPRAISAL STUDIES.—Subject to subclause (IV), in the case of a rural desalination project carried out under this subsection, the Federal share of the cost of appraisal studies for the rural desalination project shall be—

“(aa) 75 percent of the total costs of the appraisal studies, up to \$200,000; and

“(bb) if the total costs of the appraisal studies are more than \$200,000, 50 percent of any amounts over \$200,000.

“(II) COST-SHARING REQUIREMENT FOR FEASIBILITY STUDIES.—Subject to subclause (IV), in the case of a rural desalination project carried out under this subsection, the Federal share of the cost of feasibility studies for the rural desalination project shall be not more than 50 percent.

“(III) COST-SHARING REQUIREMENT FOR CONSTRUCTION COSTS.—Subject to subclause (IV), in the case of a rural desalination project carried out under this subsection, the Federal share of the cost of construction of the rural desalination project shall be not more than 75 percent.

“(IV) REDUCTION IN NON-FEDERAL SHARE.—The Secretary may reduce the non-Federal share of a rural desalination project required under subclause (I), (II), or (III) by not more than 10 percent if the Secretary determines, after consultation with the heads of any other Federal agencies that are partners in the rural desalination project and in accordance with applicable Reclamation standards, that the reduction is appropriate due to—

“(aa) an overwhelming Federal interest in the rural desalination project; and

“(bb) the sponsor of the rural desalination project demonstrating financial hardship.

“(iii) LIMITATION.—Funding for a rural desalination project under clause (ii) or the Water Infrastructure Finance and Innovation Act of 2014 (33 U.S.C. 3901 et seq.) shall not be considered for purposes of the Federal share established under

1 this subparagraph.

2 “(C) STATE ROLE.—Participation by the Secretary in an eligible desalination project
3 under this paragraph shall not occur unless—

4 “(i)(I) the eligible desalination project is included in a State-approved plan; or

5 “(II) the participation has been requested by the Governor of the State in which
6 the eligible desalination project is located;

7 “(ii) the State or local sponsor of the eligible desalination project determines,
8 and the Secretary concurs, that—

9 “(I) the eligible desalination project—

10 “(aa) is technically and financially feasible;

11 “(bb) provides a Federal benefit; and

12 “(cc) is consistent with applicable Federal and State laws (including
13 regulations);

14 “(II) sufficient non-Federal funding is available to complete the eligible
15 desalination project; and

16 “(III) the non-Federal project sponsor is financially capable of funding the
17 non-Federal share of the project costs; and

18 “(iii) the Secretary submits to the relevant committees of Congress and makes
19 publicly available on the internet a written notification of the determinations
20 under clause (ii) by not later than 30 days after the date of the determinations.

21 “(D) ENVIRONMENTAL LAWS.—To be eligible to receive a grant under this
22 subsection, a desalination project shall comply with—

23 “(i) applicable Federal environmental laws, including the National
24 Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.); and

25 “(ii) applicable State environmental laws.

26 “(E) INFORMATION.—In participating in an eligible desalination project under this
27 subsection, the Secretary—

28 “(i) may rely on reports prepared by the sponsor of the eligible desalination
29 project, including feasibility or equivalent studies, environmental analyses, and
30 other pertinent reports and analyses; but

31 “(ii) shall retain responsibility for making the independent determinations
32 described in subparagraph (C).

33 “(F) FUNDING.—

34 “(i) AUTHORIZATION OF APPROPRIATIONS.—In addition to amounts made
35 available under section 40901(5) of the Infrastructure Investment and Jobs Act
36 (Public Law 117–58), there is authorized to be appropriated to carry out this
37 paragraph \$150,000,000 for the period of fiscal years 2023 through 2027, of
38 which not less than \$10,000,000 shall be made available during the period for

1 rural desalination projects.

2 “(ii) FUNDING OPPORTUNITY ANNOUNCEMENT.—The Commissioner of
3 Reclamation shall release a funding opportunity announcement for a grant
4 program under this paragraph by not later than 75 days after the date of enactment
5 of an Act that provides funding for the program.”.

6 (b) Prioritization of Projects.—Section 4 of the Water Desalination Act of 1996 (42 U.S.C.
7 10301 note; Public Law 104–298) is amended by striking subsection (c) and inserting the
8 following:

9 “(c) Prioritization.—In carrying out demonstration and development activities under this
10 section, the Secretary shall prioritize projects—

11 “(1) for the benefit of drought-stricken States and communities;

12 “(2) for the benefit of States that have authorized funding for research and development
13 of desalination technologies and projects;

14 “(3) that demonstrably improve self-reliance on local or regional water supplies in the
15 case of any project sponsors that rely on imported water supplies that have an impact on
16 species listed under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.);

17 “(4) that demonstrably leverage the experience of or partner with—

18 “(A) international entities with considerable expertise in desalination, such as Israel;
19 or

20 “(B) nonprofit water research foundations or institutions with expertise in
21 technology innovation to advance sustainable desalination processes or brine
22 management;

23 “(5) located in a region that—

24 “(A) is impacted by salinity or brackish groundwater; and

25 “(B) has agricultural production of national importance;

26 “(6) that support regional stakeholder-based planning and implementation efforts to
27 manage brine and salinity for sustainability and improvement of groundwater quality within
28 an approved basin plan;

29 “(7) that maximize the use of renewable energy to power desalination facilities;

30 “(8) that maximize energy efficiency so that the lifecycle energy demands of desalination
31 are minimized;

32 “(9) located in a region that has employed strategies to increase water conservation and
33 the capture and recycling of wastewater and stormwater; and

34 “(10) that, in the case of ocean desalination facilities—

35 “(A)(i) use a subsurface intake; or

36 “(ii) if a subsurface intake is not feasible, use an intake that uses the best available
37 site, design, technology, and mitigation measures to minimize the mortality of all
38 forms of marine life and impacts to coastal-dependent resources;

“(B) are sited and designed to ensure that the disposal of wastewater (including brine from the desalination process)—

“(i) is not discharged in a manner that increases salinity levels in Federal or State marine protected areas; and

“(ii) achieves ambient salinity levels within a reasonable distance from the discharge point;

“(C) are sited, designed, and operated in a manner that maintains indigenous marine life and a healthy and diverse marine community within a reasonable distance from the discharge point;

“(D) do not cause significant unmitigated harm to aquatic life; and

“(E) include a construction and operation plan designed to minimize loss of coastal habitat as well as aesthetic, noise, and air quality impacts.”.

(c) Priority Scoring System.—As soon as practicable after the date of enactment of this Act, for purposes of making recommendations to Congress for projects to be carried out under section 4 of the Water Desalination Act of 1996 (42 U.S.C. 10301 note; Public Law 104–298), the Commissioner of Reclamation shall establish a priority scoring system that provides for the assignment of priority scores for the projects based on the prioritization criteria established under subsection (c) of that section.

(d) Research Authority.—Section 8(a) of the Water Desalination Act of 1996 (42 U.S.C. 10301 note; Public Law 104–298) is amended—

(1) in the first sentence, by striking “2021” and inserting “2026”; and

(2) in the second sentence, by striking “\$1,000,000” and inserting “\$3,000,000”.

SEC. 106. RECLAMATION INFRASTRUCTURE FINANCE AND INNOVATION PILOT PROGRAM.

(a) Establishment.—The Secretary shall establish and carry out a pilot program under which the Secretary shall provide to eligible entities described in subsection (c) loans and technical assistance in accordance with this section to carry out eligible projects described in subsection (b).

(b) Eligible Projects.—

(1) IN GENERAL.—A project eligible to receive assistance under the pilot program under this section is a water supply or water conservation project that, as determined by the Secretary—

(A) is located in—

(i) the State of Alaska;

(ii) the State of Hawaii; or

(iii) a State or territory described in the first section of the Act of June 17, 1902 (32 Stat. 388, chapter 1093; 43 U.S.C. 391);

(B) would—

(i) contribute directly or indirectly (including through groundwater recharge) to a safe, adequate water supply for domestic, agricultural, environmental, or municipal and industrial use; or

(ii) promote water conservation or water use efficiency; and

(C) is otherwise eligible for assistance under this section.

(2) PROJECTS ASSOCIATED WITH BUREAU OF RECLAMATION FACILITIES.—A project that supports an improvement to, or is associated with, a Bureau of Reclamation facility shall be eligible to receive assistance under the pilot program under this section if—

(A) the project meets the criteria described in paragraph (1);

(B) the eligible entity carrying out the project demonstrates to the satisfaction of the Secretary that the eligible entity is initiating and implementing the project for non-Federal purposes;

(C) the eligible entity retains or secures, through a long-term Federal property lease, operation and maintenance transfer agreement that provides for self-funding, or easement agreement with the Secretary, substantial control over the assets, operation, management, and maintenance of the project; and

(D) the project meets any other criteria that the Secretary may establish.

(3) SMALL COMMUNITY PROJECTS.—For projects eligible for assistance under this section and section 5028(a)(2)(B) of the Water Resources Reform and Development Act of 2014 (33 U.S.C. 3907(a)(2)(B)), the Secretary may assist applicants in combining 1 or more projects into a single application in order to meet the minimum project cost of \$5,000,000 required under that section.

(c) Eligible Applicants.—The following entities are eligible to receive assistance under this section:

(1) An entity described in section 5025 of the Water Resources Reform and Development Act of 2014 (33 U.S.C. 3904).

(2) A conservancy district, Reclamation district, irrigation district, or water district.

(3) A canal company or mutual water company.

(4) A water users' association.

(5) An agency established by an interstate compact.

(6) An agency established under State law for the joint exercise of powers.

(7) Any other individual or entity that has the capacity to contract with the United States under the reclamation laws.

(d) Requirements.—

(1) PROJECT SELECTION.—In selecting eligible projects to receive assistance under the pilot program under this section, the Secretary shall ensure diversity with respect to—

(A) project type; and

(B) geographical location within the States referred to in subsection (b)(1)(A).

(2) IMPORTATION OF OTHER REQUIREMENTS.—The following provisions of law shall apply to the pilot program under this section:

(A) Sections 5022, 5024, 5027, 5028, 5029, 5030, 5031, 5032, and 5034(a) of the Water Resources Reform and Development Act of 2014 (33 U.S.C. 3901, 3903, 3906, 3907, 3908, 3909, 3910, 3911, 3913(a)), except that—

(i) any reference contained in those sections to the Secretary of the Army shall be considered to be a reference to the Secretary;

(ii) any reference contained in those sections to an eligible project shall be considered to be a reference to an eligible project described in subsection (b);

(iii) paragraphs (1)(E) and (6)(B) of subsection (a), and subsection (b)(3), of section 5028 of that Act (33 U.S.C. 3907) shall not apply with respect to this section; and

(iv) subsections (e) and (f) of section 5030 of that Act (33 U.S.C. 3909) shall not apply with respect to this section.

(B) The agreement between the Administrator of the Environmental Protection Agency and the Commissioner of Reclamation required under section 4301 of the America's Water Infrastructure Act of 2018 (33 U.S.C. 3909 note; Public Law 115–270), pursuant to which the Administrator shall retain responsibility for administering any loans under this section.

(3) ENVIRONMENTAL LAWS.—No project shall receive funding under this section unless the project complies with—

(A) applicable Federal environmental laws, including the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.); and

(B) applicable State environmental laws.

(e) Authorization of Appropriations.—

(1) IN GENERAL.—There is authorized to be appropriated to the Secretary to carry out the pilot program under this section \$150,000,000 for the period of fiscal years 2023 through 2027, to remain available until expended.

(2) ADMINISTRATIVE COSTS.—Of the funds made available pursuant to paragraph (1), the Secretary may use for administrative costs of carrying out the pilot program under this section (including for the provision of technical assistance to project sponsors pursuant to paragraph (3), to obtain any necessary approval, and for transfer to the Administrator of the Environmental Protection Agency to provide assistance in administering and servicing Federal credit instruments under the pilot program) not more than \$5,000,000 for each applicable fiscal year.

(3) SMALL COMMUNITY PROJECTS.—

(A) IN GENERAL.—Subject to subsection (b), the Commissioner may use the funds made available under paragraph (2) to provide assistance, including assistance to pay the costs of acquiring the rating opinion letters under paragraph (1)(D) of section 5028(a) of the Water Resources Reform and Development Act of 2014 (33 U.S.C.

3907(a)), to assist project sponsors in obtaining the necessary approvals for small community projects that are eligible for assistance under paragraph (2)(B) of that section or subsection (b)(3).

(B) LIMITATION.—Assistance provided to a project sponsor under subparagraph (A) may not exceed an amount equal to 75 percent of the total administrative costs incurred by the project sponsor in securing financial assistance under this section.

SEC. 107. DRINKING WATER ASSISTANCE FOR DISADVANTAGED COMMUNITIES.

(a) In General.—The Secretary (acting through the Commissioner of Reclamation) may provide grants or enter into contracts or financial assistance agreements that provide not more than 100 percent of the cost of the planning, design, or construction of water projects or facilities or features of water projects, the primary purpose of which is to improve the domestic water supplies of communities or households that do not have reliable access to domestic water supplies in sufficient quantities or of sufficient quality in a State or territory described in the first section of the Act of June 17, 1902 (32 Stat. 388, chapter 1093; 43 U.S.C. 391).

(b) Authorization of Appropriations.—

(1) AMOUNT.—There is authorized to be appropriated to the Secretary to carry out this section \$100,000,000 for the period of fiscal years 2023 through 2027.

(2) MULTIPLE BENEFIT PROJECTS.—The Secretary shall use all or a portion of the funds made available under subsection (a) to incorporate into multiple benefit projects features or facilities to assist in providing domestic water supplies to disadvantaged communities.

SEC. 108. EXTRAORDINARY OPERATION AND MAINTENANCE WORK; PROJECT MODIFICATION.

(a) Reimbursement of Costs.—Section 9603(b) of the Omnibus Public Land Management Act of 2009 (43 U.S.C. 510b(b)) is amended—

(1) in paragraph (1), by striking “reimbursable purposes” and inserting “reimbursable and nonreimbursable purposes of the project and costs allocated to a reimbursable purpose”;

(2) in paragraph (2), by striking “costs” and inserting “costs, including reimbursable and nonreimbursable costs”; and

(3) by adding at the end the following:

“(4) DETERMINATION OF REIMBURSABLE COSTS.—Any costs expended under paragraph (1) or advanced under paragraph (2) that are allocated to existing nonreimbursable purposes of the project, including costs to restore or add a public benefit (as defined in section 2 of the Support To Rehydrate the Environment, Agriculture, and Municipalities Act), shall be considered to be nonreimbursable costs for purposes of this subsection.”.

(b) Authorization to Modify Projects to Increase Public Benefits and Other Project Benefits.—Section 9603 of the Omnibus Public Land Management Act of 2009 (43 U.S.C. 510b) is amended by adding at the end the following:

1 “(e) Authorization to Modify Projects to Increase Public Benefits and Other Project
2 Benefits.—

3 “(1) DEFINITIONS.—In this subsection:

4 “(A) ADVERSE IMPACT.—The term ‘adverse impact’ means, with respect to a project
5 modification, a reduction in water quantity or quality or a change in the timing of water
6 deliveries available to a project beneficiary from the modified project as compared to
7 the water quantity or quality or timing of water deliveries from—

8 “(i) the project with the original capacity restored, if the extraordinary
9 operation and maintenance work under this section is intended to restore lost
10 project capacity;

11 “(ii) the project prior to undertaking the planning and design, if the
12 extraordinary operation and maintenance work under this section is for any
13 purpose other than to restore lost project capacity; or

14 “(iii) project operations of the modified project without an increase in benefits
15 for a new project beneficiary under paragraph (2)(E).

16 “(B) NEW BENEFIT.—The term ‘new benefit’ means the increase in benefits of the
17 modified project compared to the benefits provided by—

18 “(i) the project with the original capacity restored, if the extraordinary
19 operation and maintenance work under this section is intended to restore lost
20 project capacity; or

21 “(ii) the project prior to undertaking the planning and design, if the
22 extraordinary operation and maintenance work under this section is for any
23 purpose other than to restore lost project capacity.

24 “(C) PROJECT BENEFICIARY.—The term ‘project beneficiary’ means any entity that
25 has a repayment, long-term water service, or other form of long-term contract or
26 agreement executed pursuant to the Act of June 17, 1902 (32 Stat. 388, chapter 1093),
27 and Acts supplemental to and amendatory of that Act (43 U.S.C. 371 et seq.), for water
28 service from the project.

29 “(D) PUBLIC BENEFIT.—The term ‘public benefit’ has the meaning given the term in
30 section 2 of the Support To Rehydrate the Environment, Agriculture, and
31 Municipalities Act.

32 “(2) AUTHORIZATION; REQUIREMENTS.—

33 “(A) IN GENERAL.—In a case in which a project is anticipated to require
34 extraordinary operation and maintenance work during the 10-year period beginning on
35 January 1, 2023, the Secretary, in consultation with any transferred works operating
36 entity and any project beneficiaries, may develop and carry out a proposal to modify
37 project features to increase public benefits and other project benefits, including
38 carrying out a feasibility study and conducting any applicable environmental analysis
39 required for the proposal, subject to subparagraphs (B) through (F).

40 “(B) MAXIMUM COST.—The maximum amount that may be added to the original
41 project cost as a result of a project modification under subparagraph (A) shall not

1 exceed—

2 “(i) an amount equal to 25 percent of the original cost of the project, in the case
3 of a project for which the original cost of the project exceeds \$100,000,000; or

4 “(ii) \$25,000,000, in the case of a project for which the original cost of the
5 project is not more than \$100,000,000.

6 “(C) PUBLIC BENEFITS.—In the case of a project modification under subparagraph
7 (A), not less than 50 percent of the new benefits provided by the modification of the
8 project shall be public benefits.

9 “(D) WRITTEN CONSENT REQUIRED.—A project modification under subparagraph
10 (A) shall not be constructed until the date on which the Secretary has obtained the
11 written consent of—

12 “(i) the transferred works operating entity, if applicable; and

13 “(ii) consistent with paragraph (3), any project beneficiary that would
14 experience an adverse impact as a result of the modification of the project.

15 “(E) ADVERSE IMPACT.—Any benefits that accrue to a new project beneficiary
16 resulting from operations of the modified project shall not be increased without the
17 consent of existing project beneficiaries that would experience an adverse impact as a
18 result of the modification of the project.

19 “(F) REIMBURSEMENT OF COSTS.—The costs of planning, design, and environmental
20 compliance for a project modification under subparagraph (A) shall be reimbursed in
21 accordance with subsection (b), except that any of the costs that would otherwise be
22 allocated to a project beneficiary shall be considered nonreimbursable if the project
23 beneficiary does not receive any increase in long-term average annual water deliveries
24 as a result of the modification.

25 “(3) PROCEDURE FOR OBTAINING CONSENT AND TIME LIMITATION.—

26 “(A) INITIAL DETERMINATION.—The Secretary shall initially determine whether the
27 consent of a project beneficiary is required prior to construction under paragraph
28 (2)(D) based on whether the modification or subsequent operations of the modified
29 project would have any adverse impacts on a project beneficiary.

30 “(B) WRITTEN REQUEST FOR CONSENT.—The Secretary shall provide to the
31 transferred works operating entity, if any, and any project beneficiaries, in writing—

32 “(i) a description of the proposed modification and subsequent operations of the
33 project; and

34 “(ii)(I) a request for consent under paragraph (2)(D); or

35 “(II)(aa) an explanation that the Secretary has determined that no consent is
36 required under paragraph (2)(D); and

37 “(bb) a statement that if the project beneficiary believes that the consent of the
38 project beneficiary is required, the project beneficiary shall send to the Secretary a
39 reply not later than 30 days after the date of receipt of the notice that includes an
40 explanation of the reasons that the project beneficiary would experience adverse

impacts as a result of the project modification.

“(C) FINAL DETERMINATION.—

“(i) WRITTEN RESPONSE.—The Secretary shall respond in writing to any reply from a project beneficiary under subparagraph (B)(ii)(II)(bb) stating whether or not the Secretary determines that the project beneficiary would experience adverse impacts as a result of the project modification.

“(ii) FINAL AGENCY ACTION.—A written determination by the Secretary under clause (i) shall be considered to be a final agency action for purposes of section 704 of title 5, United States Code.

“(iii) WRITTEN REQUEST.—If the Secretary determines under clause (i) that the project beneficiary would experience adverse impacts as a result of the project modification, the Secretary shall send to the project beneficiary a written request for consent in accordance with subparagraph (B)(ii).

“(D) TIME PERIOD FOR CONSENT.—

“(i) IN GENERAL.—If written consent required under paragraph (2)(D) is not obtained by the date that is 1 year after the date on which written consent is requested under subparagraph (B)(ii), the Secretary or the transferred works operating entity, as applicable, shall proceed with extraordinary operation and maintenance work of the project without the modification, unless the Secretary extends the time for consent under clause (ii).

“(ii) EXTENSION.—At the discretion of the Secretary, the Secretary may elect to extend the time for obtaining consent under paragraph (2)(D) by 1 year.

“(4) REALLOCATION OF COSTS BASED ON PROJECT CHANGES AND INCREASED PUBLIC BENEFITS.—The Secretary shall allocate costs, including capital repayment costs and operation and maintenance costs, for a project modification under paragraph (2), to provide that—

“(A) the public benefits provided by the modified project, including associated annual operation and maintenance costs, shall be nonreimbursable; and

“(B) the cost allocation of reimbursable costs to each project beneficiary reflects any changes in the benefits that the modified project is providing to the project beneficiary.

“(5) INCENTIVE FOR BENEFITTING ENTITIES TO PARTICIPATE IN PROJECTS WITH INCREASED PUBLIC BENEFITS.—The total amount of reimbursable capital costs, as determined under paragraph (4), for a project modification that would increase public benefits without increasing municipal, industrial, or irrigation benefits of a project, shall be reduced by 15 percent, with each project beneficiary to be responsible for 85 percent of the reimbursable costs that would otherwise be allocated to the project beneficiary.

“(6) REIMBURSABLE FUNDS.—All reimbursable costs under this subsection shall be repaid in accordance with subsection (b).”.

SEC. 109. USE OF REVENUE TO IMPROVE DROUGHT RESILIENCE.

(a) Definitions.—In this section:

(1) DROUGHT RESILIENCE INVESTMENT.—The term “drought resilience investment” means—

(A) an improvement or addition to an eligible facility that will increase drought resilience in a Reclamation State;

(B) annual payments on any repayment obligations incurred under the Bureau of Reclamation Safety of Dams Program; or

(C) annual payments on repayment obligations incurred under section 9603 of the Omnibus Public Land Management Act of 2009 (43 U.S.C. 510b).

(2) ELIGIBLE FACILITY.—The term “eligible facility” means—

(A) a project or facility owned by the Bureau of Reclamation; and

(B) a non-Federal facility that stores, transports, or delivers water to or from a Bureau of Reclamation project or facility.

(3) ELIGIBLE TEMPORARY TRANSFER.—The term “eligible temporary transfer” means the temporary and voluntary selling, leasing, or exchanging of water or water rights among individuals or agencies that is allowable under the reclamation laws and the water law of the applicable State.

(4) TRANSFEROR.—The term “transferor” means the holder of a water service, transferred works, or other contract that entitles the holder to water from a Bureau of Reclamation project or facility that undertakes an eligible temporary transfer.

(b) Use of Revenue for Drought Resilience Investment.—

(1) IN GENERAL.—Notwithstanding the Act of February 25, 1920 (41 Stat. 451, chapter 86; 43 U.S.C. 521), or subsection J of section 4 of the Act of December 5, 1924 (43 Stat. 703, chapter 4; 43 U.S.C. 526), all amounts derived from an eligible temporary transfer that would otherwise be deposited in the reclamation fund established by the first section of the Act of June 17, 1902 (32 Stat. 388, chapter 1093; 43 U.S.C. 391), shall remain available to the transferor.

(2) USE OF FUNDS.—Any funds retained by a transferor under paragraph (1) may be—

(A) used for a drought resilience investment; or

(B) placed in the reserve account of the transferor, to be used for future drought resilience investments.

(3) REPORTING.—The transferor shall report to the Commissioner of Reclamation on the use of any uses of funds derived from an eligible temporary transfer.

(4) EFFECT OF SECTION.—

(A) IN GENERAL.—Nothing in this section—

(i) affects any other authority of the Secretary to use amounts derived from revenues from a Bureau of Reclamation project; or

(ii) creates, impairs, alters, or supersedes a State water right.

(B) APPLICABLE LAW.—Any eligible temporary transfer shall comply with all applicable—

(i) State water laws;

(ii) Federal laws and policies; and

(iii) interstate water compacts.

(c) Reclamation Laws.—This section supplements and amends the Act of June 17, 1902 (32 Stat. 388, chapter 1093), and Acts supplemental to and amendatory of that Act (43 U.S.C. 371 et seq.).

TITLE II—IMPROVED TECHNOLOGY AND DATA

SEC. 201. REAUTHORIZATION OF THE TRANSBOUNDARY AQUIFER ASSESSMENT PROGRAM.

(a) Designation of Priority Transboundary Aquifers.—Section 4(c)(2) of the United States-Mexico Transboundary Aquifer Assessment Act (42 U.S.C. 1962 note; Public Law 109–448) is amended by striking “New Mexico or Texas” and inserting “New Mexico, Texas, or Arizona (other than an aquifer underlying Arizona and Sonora, Mexico, that is partially within the Yuma groundwater basin designated by the order of the Director of the Arizona Department of Water Resources dated June 21, 1984)”.

(b) Reauthorization.—

(1) AUTHORIZATION OF APPROPRIATIONS.—Section 8(a) of the United States-Mexico Transboundary Aquifer Assessment Act (42 U.S.C. 1962 note; Public Law 109–448) is amended by striking “\$50,000,000 for the period of fiscal years 2007 through 2016” and inserting “\$50,000,000 for the period of fiscal years 2023 through 2027”.

(2) SUNSET OF AUTHORITY.—Section 9 of the United States-Mexico Transboundary Aquifer Assessment Act (42 U.S.C. 1962 note; Public Law 109–448) is amended by striking “enactment of this Act” and inserting “enactment of the Support To Rehydrate the Environment, Agriculture, and Municipalities Act”.

TITLE III—ECOSYSTEM RESTORATION AND PROTECTION

SEC. 301. ECOSYSTEM RESTORATION.

(a) Definitions.—Section 40907 of the Infrastructure Investment and Jobs Act (Public Law 117–58) is amended by striking subsection (a) and inserting the following:

“(a) Definitions.—In this section:

“(1) COMMITTEE.—The term ‘Committee’ means the Integrated Water Management Federal Leadership Committee established under subsection (e)(1).

“(2) ELIGIBLE APPLICANT.—The term ‘eligible applicant’ means—

“(A) a State;

1 “(B) a Tribal or local government;

2 “(C) an organization with power or water delivery authority;

3 “(D) a regional authority; or

4 “(E) a nonprofit conservation organization.

5 “(3) PROJECT.—The term ‘project’ includes—

6 “(A) planning, design, permitting, and preconstruction activities;

7 “(B) construction, construction management, replacement, and other similar
8 activities;

9 “(C) management activities, including the acquisition of an interest in land or water,
10 including the acquisition of a conservation easement;

11 “(D) research, development, demonstration (including the demonstration of the
12 scalability of a project or activity), and monitoring; and

13 “(E) project administration activities, including the payment of fees associated with
14 implementing the project or activity.”.

15 (b) Requirements.—Section 40907(c)(1) of the Infrastructure Investment and Jobs Act (Public
16 Law 117–58) is amended by striking subparagraph (B) and inserting the following:

17 “(B) may not provide a grant to carry out a habitat restoration project the purpose of
18 which is to meet existing environmental mitigation or compliance obligations that are
19 express requirements of a permit or order issued under Federal or State law, unless
20 such requirements expressly contemplate reliance on Federal funding in performance
21 of the requirements.”; and

22 (c) Committee.—Section 40907 of the Infrastructure Investment and Jobs Act (Public Law
23 117–58) is amended by adding at the end the following:

24 “(e) Integrated Water Management Federal Leadership Committee for Assisting Projects at the
25 Request of a Sponsor.—

26 “(1) ESTABLISHMENT.—Not later than 180 days after the date on which an eligible entity
27 or qualified partner sponsoring a habitat restoration project that receives a grant under this
28 section submits to the Secretary a request for the establishment of the Integrated Water
29 Management Federal Leadership Committee, the Secretary shall establish the Integrated
30 Water Management Federal Leadership Committee.

31 “(2) CHAIRPERSON.—The Assistant Secretary for Water and Science of the Department
32 of the Interior shall—

33 “(A) serve as the chairperson of the Committee; and

34 “(B) coordinate the activities of, and communication among, members of the
35 Committee.

36 “(3) MEMBERSHIP.—The Committee shall include representatives of Federal agencies
37 with responsibility for water and natural resource issues, including representatives of—

38 “(A) the Bureau of Reclamation;

“(B) the United States Fish and Wildlife Service;

“(C) the National Marine Fisheries Service;

“(D) the Corps of Engineers;

“(E) the Environmental Protection Agency; and

“(F) the Department of Agriculture.

“(4) DUTIES AND RESPONSIBILITIES.—The members of the Committee shall establish the duties and responsibilities of the Committee, including—

“(A) facilitating communication and collaboration among Federal agencies to support and advance any projects for which an eligible entity or qualified partner requests the assistance of the Committee;

“(B) ensuring the effective coordination among relevant Federal agencies and departments to ensure accelerated implementation of any projects for which an eligible entity or qualified partner requests the assistance of the Committee; and

“(C) making policy and budgetary recommendations, if determined to be appropriate by the Committee, to support the implementation of projects.

“(5) PROJECT ASSISTANCE.—On request of an eligible entity or a qualified partner for a habitat restoration project, the Committee shall assist that project with permit processing and interagency coordination.

“(f) Authorization of Appropriations.—In addition to amounts made available under section 40901(11), there is authorized to be appropriated to the Secretary \$250,000,000 to carry out this section for the period of fiscal years 2023 through 2027, of which—

“(1) \$100,000,000 shall be made available to issue grants and enter into contracts, and agreements to carry out this section; and

“(2) \$150,000,000 shall be made available for the competitive grant program described in subsection (b).

“(g) Applicable Law.—Nothing in this section affects or modifies—

“(1) the obligations of the Secretary under—

“(A) the reclamation laws; or

“(B) Federal environmental laws, including—

“(i) the Central Valley Project Improvement Act (title XXXIV of Public Law 102–575; 106 Stat. 4706); and

“(ii) the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.); or

“(2) the obligations of a non-Federal party to comply with applicable Federal and State laws.”.

SEC. 302. PERFORMANCE-BASED RESTORATION AUTHORITY.

(a) Definitions.—In this section:

(1) ELIGIBLE PROJECT.—The term “eligible project” means a habitat or ecosystem restoration, mitigation, or enhancement project or activity authorized individually or through an existing Federal program.

(2) ELIGIBLE RESTORATION PROVIDER.—The term “eligible restoration provider” means a non-Federal for-profit or nonprofit organization, company, or corporation, or a State, Tribal, or local government, that is bonded, insured, and experienced in financing and completing successful habitat and restoration, mitigation, and enhancement activities.

(3) PERFORMANCE-BASED.—The term “performance-based” means, with respect to a contract, grant agreement, cooperative agreement, or fixed amount award, a pay-for-performance, pay-for-success, pay-for-results, or similar model by which the restoration provider agrees to finance and complete habitat or ecosystem restoration, mitigation, or enhancement activities, with payment to the restoration provider linked to delivery of verifiable and successful ecological performance, based on metrics and the timeframe established in advance by the Secretary.

(4) RESTORATION PROVIDER.—The term “restoration provider” means a non-Federal organization that performs restoration services contracted for, agreed to, or awarded under a contract or agreement entered into under subsection (b)(1).

(b) Authorization.—

(1) IN GENERAL.—Subject to subsection (j), in implementing existing authorities under Federal law related to habitat and ecosystem restoration, mitigation, or enhancement, the Secretary may enter into performance-based contracts, grant agreements, and cooperative agreements, including providing funding through fixed amount awards, with eligible restoration providers for the conduct of eligible projects for which ecological targets and outcomes are—

(A) clearly defined;

(B) agreed to in advance; and

(C) capable of being successfully achieved.

(2) PERFORMANCE-BASED CONTRACTS.—For purposes of paragraph (1), the Secretary may enter into performance-based contracts with eligible restoration providers experienced in financing and completing successful ecological habitat and restoration, mitigation, and enhancement activities.

(3) GRANTS AND AWARDS.—For purposes of paragraph (1), the Secretary—

(A) may provide funding through grant agreements and cooperative agreements, including fixed amount awards, for eligible projects; and

(B) shall allow for the use of performance-based tools in the agreements and awards described in subparagraph (A).

(4) PASS-THROUGH GRANTS AND AWARDS.—For purposes of paragraph (1), the Secretary—

(A) may allow funding provided to States, local governments, Indian Tribes, and

nonprofit organizations to be passed through to third-party eligible restoration providers under a contract or agreement entered into under that paragraph; and

(B) shall allow for the use of performance-based tools in grant and cooperative agreements entered into with eligible restoration providers under that paragraph.

(5) MULTI-YEAR AGREEMENTS.—The Secretary may use performance-based contracts, grant agreements, and cooperative agreements, including fixed amount awards, issued under this section for multi-year agreements, including capacity for multi-year payment schedules for professional services, subject to appropriations prior to obligation.

(c) Guidelines.—

(1) IN GENERAL.—Not later than 1 year after the date of enactment of this Act, the Secretary shall develop programmatic guidelines for the use of performance-based contracts, grant agreements, and cooperative agreements for eligible projects authorized under subsection (b)(1).

(2) CONSULTATION REQUIRED.—

(A) IN GENERAL.—In developing the guidelines under paragraph (1), the Secretary shall consult with external organizations and other appropriate entities with experience in performance-based contracts, agreements, or awards, consistent with sections 6302 through 6305 of title 31, United States Code.

(B) LIMITATION.—Consultation with the organizations and entities described in subparagraph (A) shall not constitute or necessitate establishment of an advisory committee under the Federal Advisory Committee Act (5 U.S.C. App.).

(3) REQUIREMENTS.—At a minimum, guidelines developed under paragraph (1) shall include guidance on—

(A) appropriate proposal and evaluation criteria for eligible projects;

(B) eligibility criteria for restoration providers;

(C) criteria for defining achievable ecological outcomes; and

(D) determination of restoration provider financial assurances sufficient to ensure ecological outcomes will be successfully achieved.

(d) Identification of Eligible Projects.—The Secretary shall—

(1) identify eligible projects for the use of contracts and agreements under subsection (b)(1); and

(2) issue a request for proposals from eligible restoration providers to meet the ecological requirements of habitat and ecosystem restoration, mitigation, and enhancement for the eligible projects identified under paragraph (1).

(e) Certification.—After the date on which an eligible project identified under subsection (d)(1) is completed, the Secretary shall certify that the work on the eligible project was completed in accordance with the ecological requirements and outcomes defined in advance in the applicable contract or agreement.

(f) Technical Assistance.—At the request of an eligible restoration provider entering into a

contract or agreement with the Secretary under subsection (b)(1), the Secretary may provide to the eligible restoration provider technical assistance with respect to—

(1) conducting a study, engineering activity, or design activity related to an eligible project carried out by the eligible restoration provider under this section; and

(2) obtaining permits necessary for the eligible project.

(g) Effect.—Nothing in this section authorizes the Secretary to waive—

(1) the obligations of the Secretary under—

(A) the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.);

(B) the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.);

(C) the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.); or

(D) any other provision of Federal environmental law; or

(2) the obligations of a non-Federal party to comply with applicable Federal and State laws.

(h) Non-Federal Funding.—The restoration provider may finance the applicable non-Federal share of an eligible project carried out under the authority provided under subsection (b)(1), on the condition that the non-Federal cost-share responsibility remains with the non-Federal party.

(i) Cost Share.—Nothing in this section affects a cost-sharing requirement under Federal law that is applicable to an eligible project carried out under the authority provided under subsection (b)(1).

(j) Mitigation.—Nothing in this section authorizes Federal funding to meet existing environmental mitigation or compliance obligations that are express requirements of a permit or order issued under Federal or State law, unless the requirements expressly contemplate reliance on Federal funding for the performance of the requirements.

(k) Report.—

(1) IN GENERAL.—Not later than 3 years after the date of enactment of this Act, the Secretary shall—

(A) submit to the authorizing committees of Congress and make publicly available a report describing the results of activities carried out under the authority established under subsection (b)(1), including any recommendations of the Secretary on whether the authority or any component of the authorized activities should be implemented on a national basis; and

(B) except as provided in subsection (g), identify any procedural requirements that impede the use of performance-based contracts, grants, and cooperative agreements, including fixed amount awards, for the development and completion of eligible projects.

(2) ADDRESSING IMPEDIMENTS.—Not later than 1 year after the date on which the Secretary identifies impediments, if any, under paragraph (1)(B), the Secretary shall develop and implement programmatic procedures and approaches, including recommendations to the authorizing committees of Congress on legislation, that would—

(A) to the extent practicable, address the impediments; and

(B) protect the public interest and any public investment in eligible projects carried out under this section.

TITLE IV—MISCELLANEOUS

SEC. 401. MODIFICATIONS TO DROUGHT PROGRAM UNDER THE RECLAMATION STATES EMERGENCY DROUGHT RELIEF ACT OF 1991.

(a) Assistance During Drought; Water Purchases.—Section 101 of the Reclamation States Emergency Drought Relief Act of 1991 (43 U.S.C. 2211) is amended—

(1) in subsection (a)—

(A) in the first sentence, by striking “Consistent” and inserting the following:

“(1) IN GENERAL.—Subject to paragraph (2) and consistent”;

(B) in paragraph (1) (as so designated), in the second sentence, by striking “Any construction activities” and inserting the following:

“(2) LIMITATION.—Any construction activities”; and

(C) in paragraph (2) (as so designated), by striking “except that” and all that follows through the period at the end and inserting the following: “except that the following may be permanent facilities:

“(A) A construction project—

“(i) for which Federal expenditures are not more than \$30,000,000; and

“(ii) that is supported by—

“(I) the Governor or the relevant agency head of the affected State; or

“(II) if the construction project is on a reservation, by the affected Indian Tribe.

“(B) A well drilled to minimize losses and damages from drought conditions.”; and

(2) by adding at the end the following:

“(e) Funding for Fee-based Environmental Programs.—

“(1) IN GENERAL.—For any fiscal year for which, due to a drought, as determined by the Secretary, there are insufficient funds to carry out any environmental program that is funded in whole or in part by fees based on the water volume of water delivered by a Federal reclamation project (including fees collected under section 3407(c) of the Reclamation Projects Authorization and Adjustment Act of 1992 (Public Law 102–575; 106 Stat. 4726)), the Secretary may use other unobligated amounts made available to the Secretary to carry out the environmental program for the fiscal year.

“(2) NONREIMBURSABLE FUNDS.—Notwithstanding any other provision of law, amounts made available under paragraph (1) shall be nonreimbursable.

“(3) EFFECT.—Nothing in this subsection affects—

“(A) the authority of the Secretary to address insufficient funding for an environmental program described in paragraph (1) that is not a result of a drought; or

“(B) the obligations of the Secretary to the environment under Federal law.”.

(b) Applicable Period of Drought Program.—Section 104 of the Reclamation States Emergency Drought Relief Act of 1991 (43 U.S.C. 2214) is amended—

(1) by striking subsection (a) and inserting the following:

“(a) In General.—The programs and authorities established under this title shall not become operative in any Reclamation State or in the State of Hawaii until the date on which—

“(1)(A) the Governor of the affected State, and the governing body of the affected Indian Tribe with respect to a reservation, has made a request for temporary drought assistance; and

“(B) the Secretary has determined that the temporary assistance is merited;

“(2) a drought emergency has been declared for a State or portion of a State by the Governor of each affected State; or

“(3) a drought contingency plan is approved in accordance with title II.”; and

(2) in subsection (c), by striking “2021” and inserting “2031”.

SEC. 402. CLARIFICATION OF AUTHORITY TO USE CORONAVIRUS FISCAL RECOVERY FUNDS TO MEET A NON-FEDERAL MATCHING REQUIREMENT FOR AUTHORIZED WATER PROJECTS.

(a) Coronavirus State Fiscal Recovery Fund.—Paragraph (4) of section 602(c) of the Social Security Act (42 U.S.C. 802(c)) (as added by section 40909(a) of the Infrastructure Investment and Jobs Act (Public Law 117–58)) is amended—

(1) in the paragraph heading, by striking “BUREAU OF RECLAMATION”; and

(2) by striking “an authorized Bureau of Reclamation project” and inserting “a project undertaken or funded by the Bureau of Reclamation pursuant to an Act of Congress”.

(b) Coronavirus Local Fiscal Recovery Fund.—Paragraph (5) of section 603(c) of the Social Security Act (42 U.S.C. 803(c)) (as added by section 40909(b) of the Infrastructure Investment and Jobs Act (Public Law 117–58)) is amended by striking “an authorized Bureau of Reclamation project” and inserting “a project undertaken or funded by the Bureau of Reclamation pursuant to an Act of Congress”.

SEC. 403. ENVIRONMENTAL COMPLIANCE.

No water recycling project, Federal project, non-Federal storage project, eligible desalination project, project eligible for a loan under the pilot program under section 106, or a project eligible for a grant under section 107 or 108 shall receive Federal funding under this Act unless the applicable project complies with—

1 (1) applicable Federal environmental laws; and

2 (2) applicable State environmental laws.

3 **SEC. 404. EFFECT.**

4 Nothing in this Act or an amendment made by this Act shall be interpreted or implemented in
5 a manner that interferes with any obligation of a State under the Rio Grande Compact approved
6 by Congress under the Act of May 31, 1939 (53 Stat. 785, chapter 155), or any litigation relating
7 to the Rio Grande Compact.



BEST BEST & KRIEGER
ATTORNEYS AT LAW

To:	MWDOC
From:	Syrus Devers, Best Best & Krieger
Date:	April 6th, 2022
Re:	State Legislative Report

Governor Newsom's Executive Order: Although this Board will have been briefed on the March 28th order by the time this report is received, it is worth noting that previous advocacy efforts appear to have been successful, at least so far. The declaration mentioned more than once that water agencies have adopted drought contingency plans and called on them to implement those plans if they've not already done so. The governor also mentioned in his press release that lessons from previous droughts show that it is important to have local leaders adopt measures appropriate to their circumstances. Obviously the Governor can change course whenever he chooses, but the initial steps appear to validate the painful decisions made in 2018 to adopt objective water budgets and drought contingency planning.

Turning to legislation, the first priority bills are being set for a hearing in policy committees and some "watch" bills have already begun to move. AB 2387 (E. Garcia) is a possible water bond and is a "watch" at this time. This bill will become a priority if it advances to the Senate and gets a hearing date. It is still unclear if there is an appetite for a bond on the ballot in the face of the state and federal funds being spent at this time. SB 1157 (Hertzberg) on indoor water use standards is set for April 5th in Senate Natural Resources and Water. (This report was prepared on March 31st.) This bill has been reported on previously and no amendments have been adopted since the bill appeared in print in February.

Monday, March 29th, was a significant day for water policy announcements. Besides the Governor's Executive Order, state and federal agencies also announced a Memorandum of Understanding (MOU) on the Delta Voluntary Agreements. Although quickly criticized by environmental advocacy groups, and noting the challenging regulatory process yet to come, the MOU includes the Westlands Water District and the Metropolitan Water District, so the significance attributed to the MOU may be justified. At almost the same time, a short-term agreement was announced on the Sacramento river by state and federal agencies and water contractors. All of this potentially good news, however, was overshadowed by the SWRCB cutting deliveries on the State Water Project (SWP) to 5% two weeks prior. Some water districts that are dependent on the SWP are facing minimum deliveries for health and safety for the first time, which brings up the issue of rules for what uses are allowed for water that is strictly for health and safety. If a public water system is receiving water for health and safety reasons that otherwise could not be made available under environmental regulations, must it ban all outdoor watering? There are, no doubt, rules somewhere but few have ever cared to look them up until now.

Bill Matrix

Prepared by Best Best & Krieger, April 6th, 2022

A. Priority Support/Oppose

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 1845	Calderon D	Metropolitan Water District of Southern California: alternative project delivery methods.	3/28/2022-Referred to Com. on W., P., & W.	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 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.	Support	A. Priority Support/Oppose	Support adopted on March 2nd
AB 1944	Lee D	Local government: open and public meetings.	2/18/2022-Referred to Com. on L. GOV.	Current law, 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. Current law, until January 1, 2024, authorizes a local agency to use teleconferencing without complying with those specified teleconferencing requirements in specified circumstances when a declared state of emergency is in effect, or in other situations related to public health. This bill would specify that if a member of a legislative body elects to teleconference from a location that is not public, the address does not need to be identified in the notice and agenda or be accessible to the public when the legislative body has elected to allow members to participate via teleconferencing.	Out for Analysis	A. Priority Support/Oppose	
AB 2142	Gabriel D	Income taxes: exclusion: turf replacement water conservation program.	3/22/2022-In committee: Hearing for testimony only.	The Personal Income Tax Law and the Corporation Tax Law, in conformity with federal income tax law, generally defines "gross income" as income from whatever source derived, except as specifically excluded, and provides various exclusions from gross income. 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	Support	A. Priority Support/Oppose	Support adopted on March 2nd

				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 both of these laws, 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.			
AB 2157	Rubio, Blanca D	Urban water use objectives: indoor residential water use.	2/15/2022-From printer. May be heard in committee March 18.	Current law requires the Department of Water Resources, in coordination with the State Water Resources Control Board, and in 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, beginning January 1, 2025, establishes 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 recommended by the department and the board as the standard for indoor residential water use. This bill would make a nonsubstantive change to the provision requiring the department and the board to collaborate with, and seek input from, stakeholders with regard to the studies, investigations, and report.	Watch	A. Priority Support/ Oppose	Spot bill, but still a priority.
AB 2278	Kalra D	Natural resources: biodiversity and conservation report.	3/28/2022-Re-referred to Com. on NAT. RES.	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 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.	Watch	A. Priority Support/ Oppose	Possible return of AB 3030
AB 2387	Garcia, Eduardo D	Safe Drinking Water, Wildfire Prevention, Drought	3/22/2022-Re-referred to Com. on W., P., & W.	Would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce	Watch	A. Priority Support/ Oppose	

		Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022.		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.			
AB 2449	Rubio, Blanca D	Open meetings: local agencies: teleconferences.	3/3/2022-Deferred to Com. on L. GOV.	Current law, until January 1, 2024, authorizes a local agency to use teleconferencing without complying with specified teleconferencing requirements in specified circumstances when a declared state of emergency is in effect, or in other situations related to public health. This bill would authorize a local agency to use teleconferencing without complying with those specified teleconferencing requirements if at least a quorum of the members of the legislative body participates in person from a singular location clearly identified on the agenda that is open to the public and situated within the local agency's jurisdiction. The bill would impose prescribed requirements for this exception relating to notice, agendas, the means and manner of access, and procedures for disruptions. The bill would require the legislative body to implement a procedure for receiving and swiftly resolving requests for reasonable accommodation for individuals with disabilities, consistent with federal law.	Out for Analysis	A. Priority Support/ Oppose	On the agenda for April 6th.
AB 2451	Wood D	State Water Resources Control Board: drought planning.	3/3/2022-Deferred to Com. on W., P., & W.	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 during times of water shortage for drought preparedness and climate resiliency and 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. The bill would require the state board to adopt those principles and guidelines no later than March 31, 2023, as specified.	Watch	A. Priority Support/ Oppose	
SB 45	Portantino D	Short-lived climate pollutants: organic waste	1/24/2022-Read third time. Passed.	Current law requires the Department of Resources Recycling and Recovery, in consultation with the State Air		A. Priority Support/	Bond intended for the Nov. '22

		reduction goals: local jurisdiction assistance.	(Ayes 36. Noes 0.) Ordered to the Assembly. In Assembly. Read first time. Held at Desk.	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.		Oppose	ballot.
SB 230	Portantino D	State Water Resources Control Board: Constituents of Emerging Concern in Drinking Water Program.	1/26/2022-Read third time. Passed. (Ayes 37. Noes 0.) Ordered to the Assembly. In Assembly. Read first time. Held at Desk.	Would require the State Water Resources Control Board to establish, maintain, and direct a dedicated program called the Constituents of Emerging Concern in Drinking Water Program for 5 years to assess the state of information and recommend areas for further study on, among other things, the occurrence of constituents of emerging concern (CEC) in drinking water sources and treated drinking water. The bill would require the state board to convene, by an unspecified date, the Science Advisory Panel for 3 years to review and provide recommendations to the state board on CECs for further action, among other duties. The bill would require the state board to provide a final report to the Legislature by June 1, 2026, on the work conducted by the panel.	Support	A. Priority Support/ Oppose	Support position adopted April 7th.
SB 991	Newman D	Public contracts: progressive design-build: local agencies.	3/22/2022-Set for hearing March 31. From committee with author's amendments. Read second time and amended. Re-referred to Com. on GOV. & F.	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	Out for Analysis	A. Priority Support/ Oppose	On the agenda for April 6th.

				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.			
SB 1157	Hertzberg D	Urban water use objectives: indoor residential water use.	3/24/2022-Set for hearing April 5.	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 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.	Support	A. Priority Support/ Oppose	Support adopted on March 2nd

B. Watch

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 1001	Garcia, Cristina D	Environment: mitigation measures for air quality impacts: environmental justice.	3/22/2022-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on RLS.	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	Watch	B. Watch	

				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.			
AB 1774	Seyarto R	California Environmental Quality Act: water conveyance or storage projects: judicial review.	2/10/2022-R eferred to Coms. on NAT. RES. and JUD.	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 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.	Watch	B. Watch	
AB 1817	Ting D	Product safety: textile articles: perfluoroalkyl and polyfluoroalkyl substances (PFAS).	3/28/2022-R ead second time. Ordered to third reading.	Would prohibit, beginning January 1, 2024, any person from distributing, selling, or offering for sale in the state any textile articles that contain regulated PFAS, and requires a manufacturer to use the least toxic alternative when removing regulated PFAS in textile articles to comply with these provisions.		B. Watch	
AB 2108	Rivas, Robert D	Water policy: environmental justice: disadvantaged and tribal community representation.	3/23/2022-Fr om committee: Do pass and re-refer to Com. on W.,P., & W. (Ayes 6. Noes 1.)	Current law establishes the State Water Resources Control Board (state board) in the California Environmental Protection Agency. The state board consists of 5 members appointed by the Governor, including one member who is not required to have specialized experience. Current law requires one of those members, excluding the	Watch	B. Watch	

			(March 22). Re-referred to Com. on W.,P., & W.	member who is not required to have specialized experience, to additionally be qualified in the field of water supply and water quality relating to irrigated agriculture. This bill would require that one of the persons appointed by the Governor to the state board be qualified in the field of water supply and water quality relating to disadvantaged or tribal communities. The bill would also require that at least one person appointed to each regional board have specialized experience to represent disadvantaged or tribal communities.			
AB 2247	Bloom D	Perfluoroalkyl and polyfluoroalkyl substances (PFAS) and PFAS products and product components: publicly accessible reporting platform.	3/22/2022-R e-referred to Com. on E.S. & T.M.	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, 2024, a publicly accessible reporting platform to collect information about PFAS and products or product components containing regulated 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 March 1, 2024, and annually thereafter, a manufacturer, as defined, of PFAS or a product or a product component containing regulated PFAS that is sold, offered for sale, distributed, or offered for promotional purposes in, or imported into, the state to register the PFAS or the product or product component containing regulated PFAS, and specified other information, on the publicly accessible reporting platform.	Watch	B. Watch	
AB 2313	Bloom D	Water: judges and adjudications.	3/30/2022-R ead second time and amended.	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. The bill would authorize the Chairperson of the Judicial Council to assign to certain actions relating to water a judge with that training or education.	Watch	B. Watch	
AB 2477	Rodriguez D	Emergency alert and warning service providers: minimum operating standards.	3/17/2022-R e-referred to Com. on E.M.	The California Emergency Services Act establishes the Office of Emergency Services (OES) in the office of the Governor and makes the OES responsible for the state's emergency and disaster response services, as specified. Current law, on or before July 1, 2022, requires the	Watch	B. Watch	

				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. This bill, on or before July 1, 2023, would require the OES, by regulation, to adopt minimum operating standards for private sector companies that provide alert and warning services to local entities and determine the appropriate thresholds for the provider of alert and warning services to report disruptions in service. Upon adoption of those regulations, the bill would require all providers of alert and warning services to notify the OES if a disruption in service or cybersecurity incident occurs. The bill would make the OES responsible for notifying any applicable county office of emergency services, the sheriff of any county, and any public safety answering point affected by the disruption of service.			
AB 2605	Villapudua D	Water quality: state certification.	3/10/2022-Referred to Com. on E.S. & T.M.	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 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.	Watch	B. Watch	
AB 2639	Quirk D	Water quality control plans and water rights	3/23/2022-Re-referred to Com. on	Current law establishes the State Water Resources Control Board and the 9 California regional water quality	Watch	B. Watch	

		permits.	W.,P., & W.	control boards as the principal state agencies with authority over matters relating to water quality. Current law requires the state board to formulate and adopt state policy for water quality control. Current law authorizes the state board to adopt water quality control plans for waters that require water quality standards pursuant to the Federal Water Pollution Control Act, and provides that those plans supersede any regional water quality control plans for the same waters to the extent of any conflict. This bill would require the state board, on or before December 31, 2023, to adopt a final update of the 1995 Water Quality Control Plan for the Bay-Delta, as specified, and to implement the amendments to the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary adopted by the state board pursuant to Resolution No. 2018-0059 on December 12, 2018.			
AB 2740	Dahle, Megan R	Water resources: desalination.	3/17/2022-R eferred to Com. on W.,P., & W.	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	
AB 2742	Friedman D	Water meters: urban water suppliers.	2/19/2022-Fr om printer. May be heard in committee March 21.	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	
AB 2811	Bennett D	California Building Standards Commission: recycled water: nonpotable water	3/17/2022-R eferred to Com. on E.S. & T.M.	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,	Watch	B. Watch	

		systems.		if that building is located within an existing or planned recycled water service area, as specified.			
AB 2857	Bauer-Kahn D	Sustainable Groundwater Management Act: groundwater sustainability plans: domestic well impacts.	3/28/2022-Referred to Com. on W., P., & W.	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 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.	Watch	B. Watch	
AB 2876	Bigelow R	Sustainable Groundwater Management Act.	2/19/2022-From printer. May be heard in committee March 21.	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	Watch	B. Watch	

				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.			
AB 2877	Garcia, Eduardo D	Safe and Affordable Drinking Water Fund: tribes.	3/28/2022-R e-referred to Com. on E.S. & T.M.	Current law continuously appropriates to the State Water Resources Control Board moneys deposited in the Safe and Affordable Drinking Water Fund for the development, implementation, and sustainability of long-term drinking water solutions, among other things. Current 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 10% of the total moneys in the fund to annually be reserved for eligible recipients that are federally recognized California Native American tribes or specified nonfederally recognized Native American tribes and would require the state board to expend those moneys, upon appropriation by the Legislature, for grants, loans, contracts, or services to assist those eligible recipients.	Watch	B. Watch	
AB 2895	Arambula D	Water: permits and licenses: temporary changes: water or water rights transfers.	3/21/2022-R e-referred to Com. on W.,P., & W.	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 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	Watch	B. Watch	

				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.			
AB 2919	Fong R	Dams: release of water: fish populations.	3/28/2022-Referred to Com. on W., P., & W.	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	
SB 832	Dodd D	Water rights: measurement of diversion.	3/24/2022-Sent for hearing April 5.	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	
SB 890	Nielsen R	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	Watch	B. Watch	

				these provisions inoperative on July 1, 2030, and would repeal it as of January 1, 2031.			
SB 892	Hurtado D	Cybersecurity preparedness: food and agriculture sector and water and wastewater systems sector.	3/29/2022-Set for hearing April 5.	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 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	Watch	B. Watch	
SB 1059	Becker D	Privacy: data brokers.	3/30/2022-Set for hearing April 19.	The California Constitution grants a right of privacy. 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. This bill would include in the definition of data broker a business that knowingly collects and shares, as defined, certain personal	Watch	B. Watch	

				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 California Privacy Protection Agency on or before January 31.			
SB 1078	Allen D	Sea Level Rise Revolving Loan Pilot Program.	3/25/2022-Set for hearing April 4.	Current law requires the Ocean Protection Council to, among other things, establish policies to coordinate the collection, evaluation, and sharing of scientific data related to coastal and ocean resources among agencies. Current law establishes the State Coastal Conservancy with prescribed powers and responsibilities for implementing and administering various programs intended to preserve, protect, and restore the state's coastal areas. This bill would require the council, in consultation with the conservancy, to develop the Sea Level Rise Revolving Loan Pilot Program for purposes of providing low-interest loans to local jurisdictions for the purchase of coastal properties in their jurisdictions identified as vulnerable coastal property 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 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.	Watch	B. Watch	
SB 1197	Caballero D	Water Innovation and Drought Resiliency Act of 2022.	3/25/2022-Set for hearing April 19.	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	Watch	B. Watch	

				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.			
SB 1219	Hurtado D	Water: State Water Resources Control Board dissolution: Blue Ribbon Commission.	3/24/2022-Set for hearing April 5.	Current law establishes the State Water Resources Control Board within the California Environmental Protection Agency with specified duties relating to, among other things, administering water rights, the Porter-Cologne Water Quality Control Act, and the California Safe Drinking Water Act. Current law establishes the Department of Water Resources within the Natural Resources Agency and prescribes the jurisdiction and various general administrative authorities and duties of the department regarding, among other things, matters pertaining to water resources and dams in the state. This bill would dissolve the board as of January 1, 2025.	Watch	B. Watch	Possible priority bill, but unlikely to move.
SB 1476	Bradford D	Water replenishment districts: contracts.	3/23/2022-Re-referred to Com. on GOV. & F.	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, 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 contract for the erection, construction, alteration, repair, or improvement of a public structure or building of \$25,000 or more be let to contract by formal bidding procedure.	Watch	B. Watch	
Total Measures: 37							

Metropolitan Water District of Southern California
State Legislative Matrix
March 7, 2022 – Second Year of Legislative Session

Item No. 4e

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
Metropolitan-sponsored bills	SB 230 Portantino (D) Sponsors: Metropolitan and the California Municipal Utilities Association (CMUA)	Amended 1/20/2022 Assembly Desk	State Water Resources Control Board: Constituents of Emerging Concern Program Seeks to create a statewide program to identify and evaluate Constituents of Emerging Concern (CECs) in drinking water sources.	CO-SPONSOR Based on October 2019 Board Action	Metropolitan and CMUA are co-sponsoring legislation in response to growing public concern about CECs in drinking water. The bill would establish a 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	AB 1845 Calderon (D) Sponsor: Metropolitan	Introduced 2/8/2022 Assembly Local Government Committee	Metropolitan Water District of Southern California: alternative project delivery methods 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	SPONSOR	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
March 7, 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.
Water Governance and Funding	AB 1195 C. Garcia (D) Sponsor: Author	Amended 5/24/2021 Senate Natural Resources and Water Committee Two-year bill	Drinking water. Requires the State Water Resources Control Board (State Water Board) to appoint a commissioner to implement the Safe and Affordable Fund for Equity and Resilience Program (SAFER Program) in Southern Los Angeles County.	OPPOSE UNLESS AMENDED Based upon May 2021 Board Action	Seeks to address the needs of public water systems in Southern Los Angeles County struggling to provide safe and affordable retail water. The May 24 amendments limit the role of the commissioner to focus on implementation of the SAFER Program and create a pilot program with Los Angeles County LAFCO to extend service or consolidate struggling systems. Metropolitan is seeking additional amendments to further clarify the role of the commissioner; strike a provision that grants the commissioner the authority to audit public water systems and bypass the public process created by the Legislature; and strike a section that would grant the State Water Board jurisdiction over decisions to transfer or abandon groundwater rights.
Delta/State Water Project	SB 832 Dodd (D) Sponsor: Author	Introduced 1/23/2022 Senate Natural Resources & Water Committee	Water rights: measurement of diversion 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	SUPPORT IF AMENDED	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

Metropolitan Water District of Southern California
State Legislative Matrix
March 7, 2022 – Second Year of Legislative Session

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
			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.	Based upon Board-adopted 2022 State Legislative Priorities and Principles	<p>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. Studies to determine its adequacy as a water rights enforcement tool in the Delta and different hydrologic regions are needed.</p> <p>Metropolitan and the State Water Contractors are seeking amendments to require the board to develop a study plan for the Delta and another region of the state, and only allow OpenET to be used to comply with current monitoring and reporting requirements if an irrigator is part of the study.</p>
Water Bond Infrastructure Funding	SB 559 Hurtado (D) Sponsors: Friant Water Authority,	Amended 8/30/2021 Senate Inactive File Two-year bill	Department of Water Resources: water conveyance systems: Canal Conveyance Capacity Restoration Fund Establishes the Canal Conveyance Capacity Restoration Fund that would upon appropriation provide up	WATCH Based upon Board adopted 2021 State Legislative Priorities and Principles	Portions of the California Aqueduct, the Friant Kern Canal and the Delta Mendota Canal have lost capacity due to subsidence. The Fund would upon appropriation provide funding to DWR to support a 10-year program to restore the capacity of the canals and ensure a more secure water supply. Funds could be used

Metropolitan Water District of Southern California
State Legislative Matrix
March 7, 2022 – Second Year of Legislative Session

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
	San Luis & Delta Mendota Water Authority, and State Water Contractors		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.		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.
Governance	AB 2449 B. Rubio (D) Sponsor: Three Valleys Municipal Water District	Introduced 02/17/2022	Open meetings: local agencies: teleconferences 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	SUPPORT Based upon Board Action on 3/9/2021 on AB 703 (B. Rubio)	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

Metropolitan Water District of Southern California
State Legislative Matrix
March 7, 2022 – Second Year of Legislative Session

Topic	Bill Number Author	Status	Title – Summary	MWD Position	Effects on Metropolitan
			procedures for receiving and swiftly resolving requests for reasonable accommodation for individuals with disabilities, consistent with federal law. 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, .		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.
Water Conservation	AB 2142 (Gabriel) Sponsor: Association of California Water Agencies	Introduced 2/15/2022	Income taxes: exclusion: turf replacement water conservation program. 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.	SUPPORT Based upon Board adopted 2022 State 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.



STAFF REPORT

To: Board of Directors **Meeting Date:** April 28, 2022
From: Sherri Seitz, Public Relations / Emergency Preparedness Administrator
Subject: Public Education and Outreach Report

Bill Message:

Customer April/May bill message:

ETWD has moved into a Level 2 Water Shortage. We are asking customers to reduce their water use 15% or as much as possible, fix leaks right away and follow ETWD's Permanent Water Conservation Requirements that are in effect 365 days a year. For more information, please visit etwd.com/conservation/water-conservation-shortage-stages/. For questions, please call Customer Service at (949) 837-0660.

ETWD's Level 2 Water Shortage

Under a Level 2 Water Shortage, ETWD is increasing public outreach, asking customers to conserve 15% of their water use or as much as they can, requiring leaks to be fixed in 4 days or less and to continue to follow ETWD's Permanent Water Conservation Requirements.

The following public outreach was utilized to inform ETWD's customers of the Level 2 Water Shortage declaration:

- Distributed Information to District Staff
- Updated ETWD Permanent Water Conservation Requirements Flyer
- Updated ETWD's Water Wise Tips Flyer
- Updated ETWD Website
- April/May ETWD Newsletter
- April/May Bill Message
- Laguna Woods Village E-blast
- Speaking Engagements:
 - Third Mutual Board Meeting – Dennis Cafferty
 - Third Mutual Gate 11 Meeting – Kay Havens, Sherri Seitz
 - City of Laguna Woods Earth Day Speaker Series on Water – Dennis Cafferty

Laguna Woods Village Television “This Day” Interview with Lisa Hart – Kathryn Freshley

- Community Events:
Third Mutual Gate 11 Meeting
Laguna Woods Village Concerned Citizens Earth Day Event
City of Mission Viejo Earth Day/Arbor Day Event
- Social Media – Week of April 25

Newsletter

The next ETWD newsletter is scheduled to be distributed the end of April through May. 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 ETWD moving into a Level 2 Water Shortage, ETWD’s Permanent Water Conservation Requirements, CAG interest information, Oso Lift Station project highlight, introduce new staff, Streams of Hope Campaign and checking for leaks.

Community Advisory Group Meeting

ETWD will postpone the May Community Advisory Group Meeting to Thursday, June 2, 2022 from 11:30 am to 1:30 pm in the Field Multipurpose Room. Topics will include ETWD Level 2 Water Shortage and ETWD’s 22/23 Budget. Invitations will be emailed out in mid-May.

Laguna Woods Village Television:

President Kathryn Freshley will interview with Lisa Hart on Laguna Woods Television “This Day” on May 9, 2022. President Freshley will discuss ETWD moving into Level 2 Water Shortage and Water Conservation. Sherri Seitz will discuss ETWD’s participation in “This Day” interviews.

OC Streams of Hope Public Arts Campaign

Sherri Seitz coordinated with Laguna Woods Village Eileen Paulin, Director of Media & Communications and Brian Gruner, Director of Recreation & Special Events on placement of the Laguna Woods Art Association Streams of Hope Public Arts Campaign Stella in the Village. Sherri also coordinated with MWDOC, the Wyland Foundation and Dan Yost, Laguna Woods Village Risk Manager on insurance and a hold harmless agreement for the artwork. Brian Gruner presented the project to the GRF Community Activities Committee on Friday, April 15th and they are delighted to place the art project in the Laguna Woods Village Community Center lobby. Sherri is coordinating delivery for the week of April 18th. Laguna Woods Village will also promote the art project through their “What’s Up in the Village” E-blast that is delivered to more than 15,000 residents.

The Inside the Outdoors department of the Department of Education is working with El Toro High School and their participation in completing a Stella for the campaign.

Laguna Woods Village Third Mutual - Gate 11 Meeting

On Tuesday, April 12, 2022, ETWD Vice President Kay Havens and Sherri Seitz addressed the Gate 11 Meeting attendees. Topics included Water Supply Conditions, ETWD Level 2 Water Shortage and Water Conservation. Bob Hazzard staffed a table at the event, discussed water conservation with attendees and provide water efficient takeaways.

Concerned Citizens Earth Day Celebration

On Thursday, April 21, 2022, ETWD staff Bob Hazzard and Sherri Seitz will staff a table at the Concerned Citizens Earth Day Event from 1:00 p.m. to 4:00 p.m. at Laguna Woods Village Clubhouse 1. Staff will discuss water conservation with attendees and provide water efficient takeaways.

City of Laguna Woods Earth Day Speaker Series Highlighting Air and Water

Dennis Cafferty, ETWD General Manager, Dan Ferons, SMWD General Manager and Fernando Paludi, TCWD General Manager are scheduled to address the City of Laguna Woods and the public for Earth Day on Thursday, April 21, 2022 at 9:30 a.m. via Zoom. The topic is "Understanding Our Water Needs" covering water supply challenges, water conservation and steps that are being taken locally to ensure water reliability. A recording of the event will be available on the City of Laguna Woods website [Earth Day Speaker Series: "Understanding Our Water Needs" | City of Laguna Woods, California](#), and El Toro Water District's website.

City of Mission Viejo Earth Day & Arbor Day Green Expo

On Saturday, April 23, 2022, ETWD staff Bob Hazzard and Yessenia Ocampo will staff a table at the City of Mission Viejo Earth Day Event from 8:00 a.m. to 12:00 p.m. at the Upper Oso Creek Trail adjacent to the Thomas R. Potocki Center for the Arts at 27301 La Paz Road in Mission Viejo. Staff will discuss water conservation with attendees and provide water efficient takeaways.

Lake Forest Chamber of Commerce/City of Lake Forest – State of the City & Meet the Mayor Event

ETWD is sponsoring the table drought tolerant centerpieces for the event on Tuesday, April 26, 2022.



Adopt a Channel

Per the request of Director Mike Gaskins, Sherri Seitz spoke with Kim Buss at the County of Orange on their Adopt a Channel Program. After discussing the program today, staff would like direction in participating in the program.

Background:

OC Public Works operates and maintains more than 380 miles of regional and sub-regional flood control channels. The channels collect trash, debris and are subject to graffiti, requiring significant resources at a large cost. In 2011, Disneyland reached out to the County wishing to adopt a channel by the theme park. Disney hired a contractor to regularly remove trash over the 2-year pilot program. In 2014, the county developed its own Adopt-a-Channel Program and a guidance manual. The program allows for sponsored and volunteer adoptions. Sponsored adoptions either hire their own contractor to clean the channel or pays the County to have their contractor, OC Conservation Corp, clean the channel. A Volunteer Adoption requires the sponsoring agency to coordinate volunteers that will clean and remove trash from the channel. They have the suitable channels for immediate adoption. Not all channels are suitable due to access and liability.

Benefits:

The program benefits the County resulting in channel maintenance cost-savings and allowing the County to focus on their limited resources on more problematic channel areas.

By Adopting a Channel, ETWD would have the opportunity to positively impact our waterways by further improving water quality in our channels and creeks providing a healthier habitat for wildlife and helping to ensure that our beaches are clean and safe to swim in. The visibly cleaner channels and signage can change the public's perception as organizations, businesses and residents view their local flood control channel as something worth taking ownership of and a reflection of community values.

Locations:

The two locations in our service area (El Toro Park and El Toro Community Park) have already been adopted by the Ranch at Laguna Beach. Sherri worked with the County and provided a district map for county staff to research suitable locations. The County found a suitable channel location between Lake Forest Drive and Avenida de la Carlota crossing over Santa Vittoria Dr., Mill Creek Dr., Moulton Pkwy. and Research Dr. A copy of the map with the channel location is listed below.

Adoption Tasks:

Inspect the site on a routine basis (e.g. monthly)

Collect trash and debris from the site for pick up by OC Public Works

Paint over graffiti

Identification of household hazardous waste for pick up by OC Public Works

Identification of other issues/challenges observed within the channel and notification to OC Public Works.

Signage:

Adopters will be recognized by the display of their name or logo on a program sign at the Adoption Site. Site to be determined. Adopters are also granted a license to use imagery associated with the Adopt A Channel Program on their letterhead, email, social media, etc. The Adopt a Channel logo was created by Wyland.

Costs:

There is no cost for volunteer adoptions. The sponsoring agency would be responsible for finding volunteers and coordinating adoption tasks listed above. The sponsored adoptions are based on the channel surface area, level of trash and graffiti, and data from existing Sponsored Adoptions. A typical clean-up would be completed monthly with one supervisor and four crew members for approximately two – four hours. True costs of the sponsored adoptions will be determined by the Conservation Corp to complete the work. Sherri is working with the Conservation Corp on obtaining a cost estimate. There is a minimum of a 1-year sponsorship.

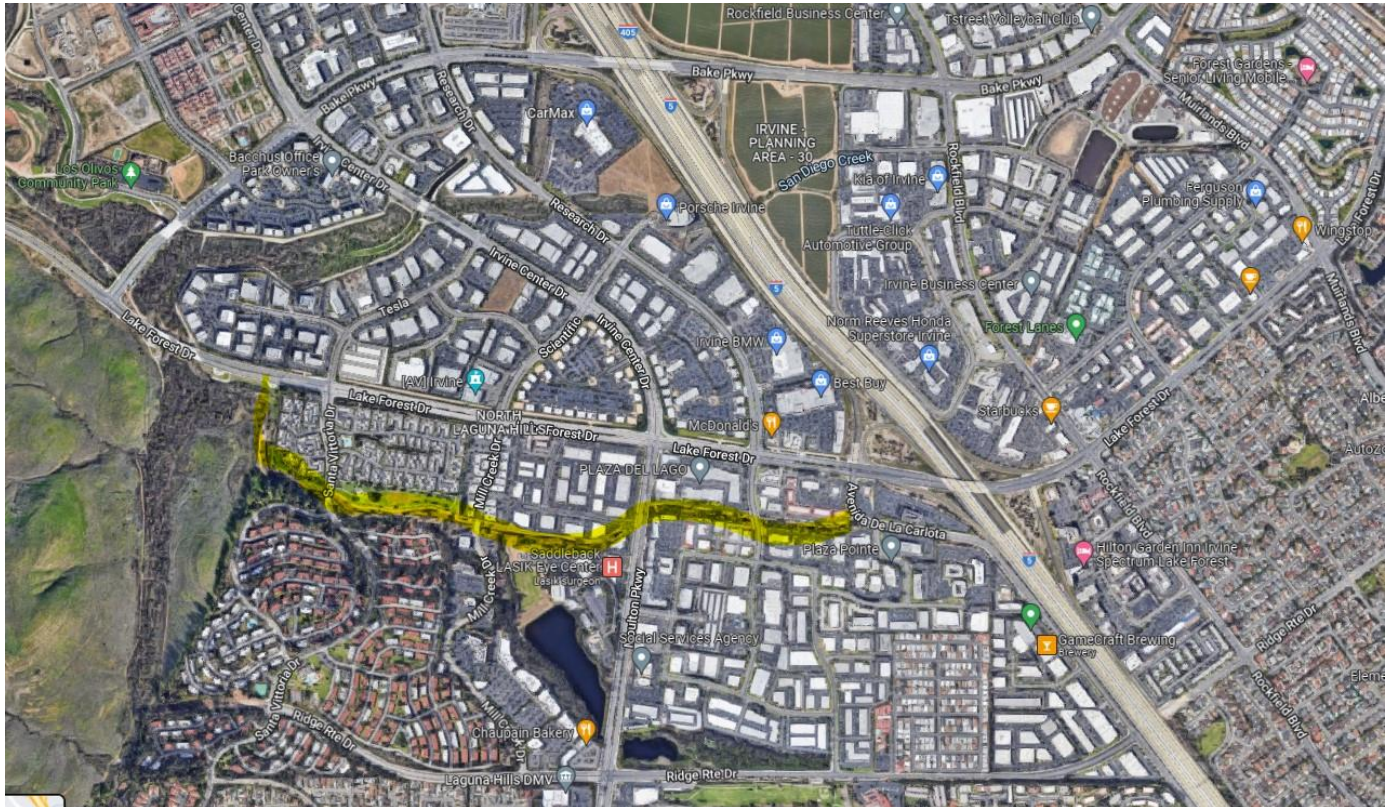
Example: for $\frac{3}{4}$ mile along Aliso Creek at Jeronimo costs \$2,700 year for a contractor to complete work on behalf of the Adopter. This is just an example of one of the channels

Public Education and Outreach Report
Page 6

being done in our area with a low level of graffiti and moderate level of trash and does not reflect the actual cost of the channel that ETWD would adopt.

Currently, other water districts that have adopted a channel are OCWD, MNWD and YLWD.

Proposed ETWD Adopt A Channel Location Map and photos:





View of the flood control channel off of Millcreek Dr.



View of the flood control channel off of Millcreek drive.



View of the flood control channel off of Santa Vittoria Dr.

Example of Disneyland Adopt a Channel photos:





STAFF REPORT

To: Board of Directors **Meeting Date:** April 28, 2022

From: Sherri Seitz, Public Relations / Emergency Preparedness Administrator

Subject: Water Use Efficiency Report

Rebate Programs:

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

The following tables reflect the ETWD customer device rebates available to customers from July/August 2021 through June 30, 2022.

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

Residential Rebate Programs:

Device	MET Rebate	MWDOC Grant	ETWD Rebate	Total Rebate (up to)
High Efficiency Clothes Washer	\$85		\$115	\$200
Premium High Efficiency Toilet	\$40		\$60	\$100
Rotating Sprinkler Nozzles (min 30 per home)	\$2 ea			\$2
Smart Irrigation Timer	\$80	\$100	\$70	\$250
Turf Removal Program (up to 5,000 sq ft)*	\$2 sq. ft.	\$1 sq. ft.	\$1 sq. ft.	\$4 sq. ft.
Soil Moisture Sensor System <1 Acre >1 Acre	\$80 \$35/station	\$100	\$70	\$250 \$35/station

Water Use Efficiency Report

Page 2

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

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

Commercial Rebate Programs:

Device	MET Rebate	MWDOC Grant	ETWD Rebate	Total Rebate (up to)
Premium High Efficiency Toilet	\$40			\$40
Multi-family Premium High Efficiency Toilet	\$40			\$40
Zero Water/Ultra Low Water Urinal	\$200			\$200
Plumbing Flow Control Valve (min. 10)	\$5			\$5
Smart Irrigation Timer/Central Computer Irrigation Controller/Soil Moisture Sensor System/Hose Bib Irrigation Controller	\$35/station			\$35/station
Rotating Sprinkler Nozzles (minimum quantity of 15)	\$2			\$2
Rotating Nozzles – Large Rotary	\$13			\$13
Turf Removal Program (up to 50,000 sq ft MET-MWDOC/up to 10,000 sq. ft. ETWD funding)*	\$2 sq. ft*			\$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. MWDOC Grant funding based on availability.

Actual Customer Rebate and Budget Analysis:

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

Device December 2021	Total # Rebates Paid	ETWD Supplemental Amount	Budget 21/22	ETWD Supplemental Rebate Total
High Efficiency Clothes Washer	11	\$115	\$9,200	\$1,265
Premium High Efficiency Toilet	0	\$60	\$3,000	\$0
Smart Irrigation Timer/Soil Moisture Sensor System	3	\$75 (amount varies)	\$2,100	\$78.99
Rain Barrels Cisterns	3	\$15	\$225	\$45
Total			\$14,525	\$1,388.99

Turf Removal Program December 2021	Total sq.ft. Paid	ETWD Supplemental Amount	Budget 21/22	ETWD Supplemental Rebate Total
Turf Removal Residential	1,171	\$1 sq. ft.	\$10,000	\$1,171

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 March 2022, year-to-date sales, residential accounted for 64% of the overall Tier 3 usage and dedicated irrigation accounted for 50% of Tier 4 usage.](#)

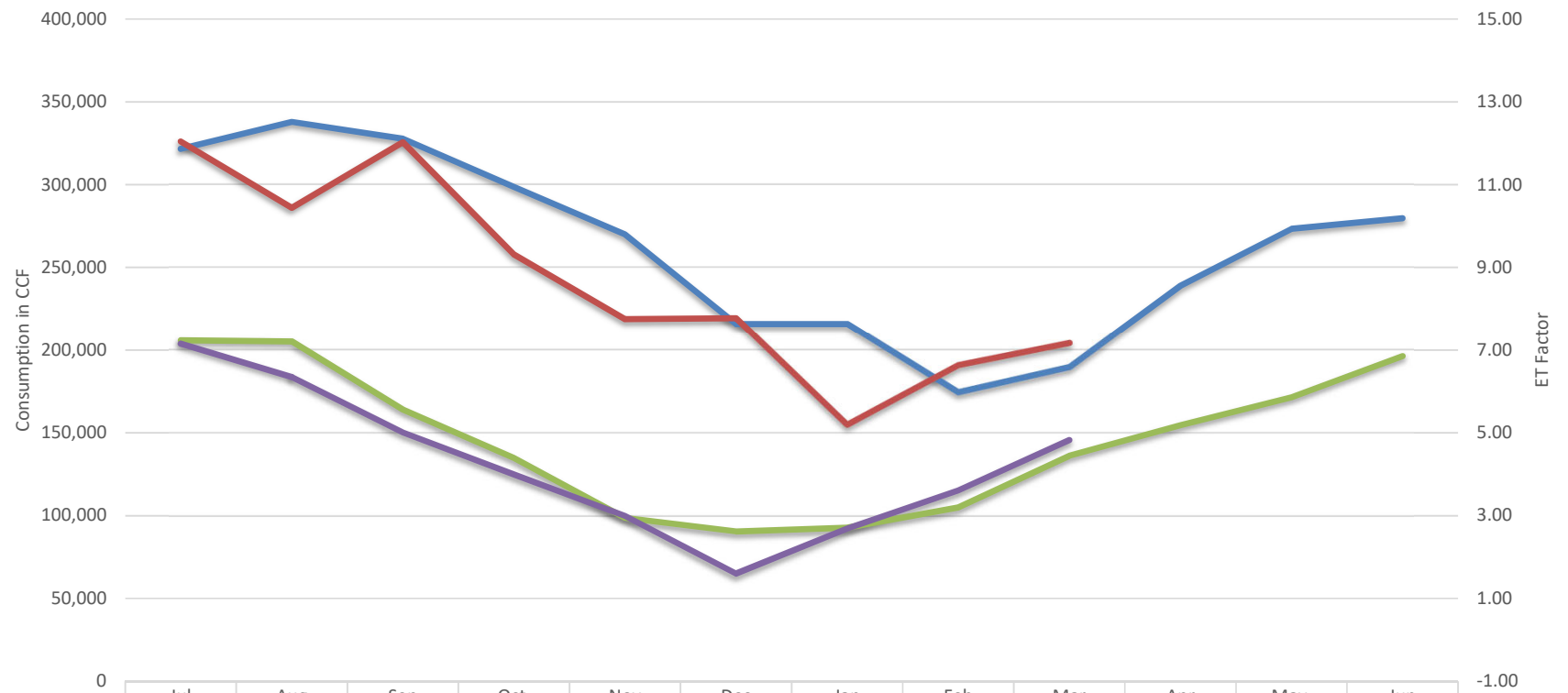
Total Consumption Comparison to Evapotranspiration (ET) Factor::

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 7.9% from March 2021 when compared to March 2022. There was an 8% increase in consumption reflected in March 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			
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			
%	101%	85%	99%	86%	81%	102%	72%	109%	108%			

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	25.29	8.24	\$23,800
*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	62.87	20.49	\$59,167
Rain Barrels	2013	8	0.16	0.05	\$151
Spray to Drip	2013	8	4.98	1.62	\$4,687
**Water Smart Landscape Program - Ended 2016	1997	20	242.90	79.16	\$228,594
Synthetic Turf Rebate Program-Ended 2011	2007	8	0.90	0.29	\$847
***Ultra Low Flush Toilets (ULFT)--Ended 2009	1992	16	193.20	58.00	\$167,487
Computer Controlled Irrigation System--Gate 11--Ended 2006	2001	6	8.88	2.89	\$8,357
Totals			985.3	321.1	\$927,277

* 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 321.1 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	February-22	258	0.71	1,450	16.18	125,829	4,127	39,847
High Efficiency Toilet (HET) Program	2005	February-22	5	0.02	180	7.66	60,818	2,248	27,035
Flow Monitoring Devices (FMD) Program	2021	February-22	6	0.03	12	0.10	12	0.60	0.10
Commercial Plumbing Fixture Rebate Program	2002	February-22	85	0.26	575	12.36	111,488	5,295	66,243
Industrial Process/Water Savings Incentive Program (WSIP)	2006	February-22	0	6.96	1	4.64	39	1,291	6,344
Turf Removal Program ^[3]	2010	February-22	113,539	1.28	406,287	13.52	23,963,616	3,356	22,261
Spray-to-Drip Program ^[3]	2013	February-22	8,380	0.09	147,405	4.79	1,550,369	210	809
Smart Timer Program - Irrigation Timers	2004	February-22	248	3.15	1,474	98.83	32,628	9,495	73,506
Rotating Nozzles Rebate Program	2007	February-22	75	0.30	1,268	4.08	571,937	2,794	28,004
Rain Barrels Rebate Program	2013	February-22	6	0.00	52	0.04	8,648	16	99
Recycled Water Retrofit	2015	February-22	0	0.00	4	11.11	182	3,687	19,151
Water Smart Landscape Program [1]	1997						12,677	10,621	72,668
Home Water Certification Program	2013						312	7,339	15,266
Synthetic Turf Rebate Program	2007						685,438	96	469
Ultra-Low-Flush-Toilet Programs ^[2]	1992						363,926	13,452	162,561
Home Water Surveys ^[2]	1995						11,867	160	1,708
Showerhead Replacements ^[2]	1991						270,604	1,667	19,083
Total Water Savings All Programs			13	558,708	173	27,770,390	58,523	539,804	

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

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

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

⁽⁴⁾ Cumulative Annual water savings represents both active program savings and passive savings realized due to plumbing code changes over time.

HIGH EFFICIENCY CLOTHES WASHERS INSTALLED BY AGENCY
through MWD OC 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	19	2,080	0.23	599.02	1,076
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	0.30	509.39	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	0.03	62.09	107
El Toro	21	88	108	103	83	91	113	130	32	162	112	134	121	111	65	47	50	40	29	41	17	1,698	0.23	505.88	879
Fountain Valley	36	127	209	196	178	205	219	243	72	289	158	115	102	110	76	65	48	39	34	36	15	2,572	0.11	810.70	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	0.49	1,172.61	2,041
Golden State	37	195	339	374	342	339	401	447	168	583	485	265	283	359	260	138	156	92	94	141	72	5,570	0.81	1,691.32	2,882
Huntington Beach	114	486	857	738	680	761	750	751	211	963	582	334	295	319	225	180	139	92	113	164	58	8,812	0.67	2,707.62	4,560
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	328	28,063	3.79	8,519.36	14,521
La Habra	8	40	86	81	66	96	136	83	22	179	128	82	114	87	66	53	48	48	45	65	24	1,557	0.29	440.21	806
La Palma	3	5	13	21	18	33	35	51	25	76	46	34	25	34	29	10	14	7	12	7	8	506	0.08	163.49	262
Laguna Beach	17	88	119	84	68	57	77	77	27	96	57	38	37	39	32	19	20	18	16	25	12	1,023	0.16	289.12	529
Mesa Water	24	117	228	240	212	239	249	246	73	232	176	114	86	89	113	79	53	38	41	99	25	2,773	0.31	849.24	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	174	11,691	2.14	3,203.82	6,049
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	0.21	805.79	1,446
Orange	58	247	304	358	330	366	365	403	111	349	262	218	163	160	124	80	73	55	59	90	37	4,212	0.40	1,385.21	2,179
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	0.10	487.03	818
San Clemente	32	182	235	170	136	204	261	278	63	333	206	140	94	141	75	70	83	62	61	73	33	2,932	0.41	877.83	1,517
Santa Margarita	140	510	743	573	592	654	683	740	257	1,105	679	553	662	792	466	367	271	212	248	307	136	10,690	1.52	3,089.22	5,531
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	6	668	0.08	195.26	346
Serrano	9	16	54	39	39	30	31	23	7	21	20	13	10	26	8	11	8	2	7	4	3	381	0.04	101.35	197
South Coast	35	138	165	97	103	107	130	148	43	183	112	89	79	68	43	44	36	28	30	29	22	1,729	0.25	512.93	895
Trabuco Canyon	10	63	76	58	44	69	60	62	28	82	62	30	45	47	34	28	22	13	12	13	9	867	0.12	257.89	449
Tustin	21	89	152	138	127	152	146	144	45	174	97	78	59	80	66	44	48	34	29	64	21	1,808	0.21	538.70	936
Westminster	37	159	235	196	186	213	171	233	74	329	208	121	82	109	149	84	65	45	35	79	31	2,841	0.24	846.47	1,470
Yorba Linda	36	214	342	355	333	288	350	367	117	394	273	181	167	156	123	55	66	43	61	75	37	4,033	0.36	1,272.16	2,087
MWD OC Totals	1,069	4,620	7,277	6,453	6,424	7,406	7,987	8,106	3,331	10,686	7,350	5,365	5,094	6,002	4,726	3,661	3,211	2,351	1,902	2,533	1,206	106,760	13.58	31,893.71	20,626
Non-MWD OC Totals	972	942	1,461	1,922	1,208	1,359	1,416	1,368	1,016	1,662	937	694	602	638	690	461	396	376	252	453	244	19,069	2.61	7,952.80	3,684
Orange County Totals	2,041	5,562	8,738	8,375	7,632	8,765	9,403	9,474	4,347	12,348	8,287	6,059	5,696	6,640	5,416	4,122	3,607	2,727	2,154	2,986	1,450	125,829	16.18	39,846.51	24,310

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	22	17,441	8,253.74
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	12	3,408	1,227.19
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
MWDOC Totals	3,330	12,038	11,118	958	424	257	162	159	68	51,776	22,687.22
Anaheim	156	1,188	614	70	19	5	11	11	1	5,912	2,947.47
Fullerton	61	293	286	14	9	8	7	4	1	1,084	452.36
Santa Ana	33	602	293	20	0	4	8	5	1	2,039	947.92
Non-MWDOC Totals	250	2,083	1,193	104	28	17	26	20	3	9,035	4,347.75
Orange County Totals	3,580	14,121	12,311	1,062	452	274	188	179	71	60,811	27,034.97

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

Agency	FY 21/22	FY 22/23	Total Program	Cumulativ e Water Savings across all Fiscal Years
Brea	1	0	1	0.01
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	0.02
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	6	0	6	0.05
Seal Beach	0	0	0	-
Serrano	0	0	0	-
South Coast	0	0	0	-
Trabuco Canyon	0	0	0	-
Tustin	0	0	0	-
Westminster	0	0	0	-
Yorba Linda	0	0	0	-
MWDOC Totals	10	0	10	0.08

Anaheim	0	0	0	-
Fullerton	2	0	2	0.02
Santa Ana	0	0	0	-
Non-MWDOC Totals	2	0	2	0.02

Orange County Totals	12	0	12	0.10
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COMMERCIAL PLUMBING FIXTURES INSTALLED BY AGENCY^[1]
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Totals	Cumulative Water Savings across all Fiscal Years
Brea	0	10	91	734	242	0	74	154	0	1,835	847
Buena Park	23	56	591	133	49	0	94	0	0	2,632	1,803
East Orange CWD RZ	0	0	0	0	0	0	0	0	0	0	0
El Toro WD	212	6	268	35	737	717	0	0	0	2,516	1,019
Fountain Valley	0	1	249	0	895	0	398	0	0	2,165	1,042
Garden Grove	1	167	676	410	0	354	388	0	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	0	30,482	13,589
La Habra	0	0	340	42	0	0	59	0	0	984	848
La Palma	0	0	0	509	0	0	0	0	0	675	243
Laguna Beach CWD	27	0	0	0	0	0	0	0	0	446	466
Mesa Water	0	79	661	782	0	110	19	2	0	4,385	3,280
Moulton Niguel WD	0	3	413	281	506	4,392	764	0	0	6,939	2,115
Newport Beach	0	566	0	0	0	1,596	16	0	0	3,446	2,193
Orange	271	81	275	2,851	458	532	383	2	0	6,405	3,064
San Juan Capistrano	14	0	0	0	0	0	0	0	0	260	548
San Clemente	0	1	0	0	0	0	321	0	0	753	574
Santa Margarita WD	0	2	90	743	598	699	0	0	0	2,247	604
Seal Beach	0	0	0	184	278	0	0	0	0	816	657
Serrano WD	0	0	0	0	0	0	0	0	0	0	0
South Coast WD	0	382	0	0	0	0	0	0	0	1,320	851
Trabuco Canyon WD	0	0	0	0	0	0	0	0	0	11	22
Tustin	0	75	358	212	2	408	254	0	0	2,066	1,367
Westminster	28	0	146	177	25	0	252	186	0	1,601	1,514
Yorba Linda	0	0	226	84	338	0	83	0	1	1,016	881
MWDOC Totals	1,172	2,161	17,275	13,829	5,830	10,102	3,470	346	575	82,759	45,333
Anaheim	342	463	3,072	309	1,808	686	592	211	0	17,050	11,016
Fullerton	0	178	476	621	274	384	356	0	0	3,792	2,696
Santa Ana	17	5	1,293	238	582	7	920	66	0	7,312	7,197
Non-MWDOC Totals	359	646	4,841	1,168	2,664	1,077	1,868	277	0	28,154	20,910
Orange County Totals	1,531	2,807	22,116	14,997	8,494	11,179	5,338	623	575	110,913	66,243

[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	1063
La Habra	1	0	0	0	0	0	0	1	0	2
La Palma	0	0	0	0	0	0	0	0	0	0
Laguna Beach	0	0	0	0	0	0	0	0	0	0
Mesa Water	0	0	0	0	0	0	0	0	0	0
Moulton Niguel	0	0	0	0	0	0	0	0	0	0
Newport Beach	0	0	0	0	0	0	0	1	21	139
Orange	1	2	1	0	0	0	0	5	97	811
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0
San Clemente	0	0	0	0	0	0	0	0	0	0
Santa Margarita	0	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	0	0	0	0	0
Serrano	0	0	0	0	0	0	0	0	0	0
South Coast	1	1	0	0	0	0	0	2	134	582
Trabuco Canyon	0	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0	0
Westminster	0	0	0	1	0	0	0	1	117	254
Yorba Linda	0	0	0	1	0	0	0	1	20	56
MWDOC Totals	9	5	3	3	2	1	1	37	875	5005
Anaheim	0	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	1	0	0	1	282	540
Santa Ana	1	0	0	0	0	0	0	1	135	799
OC Totals	10	5	3	3	3	1	1	39	1291	6344

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

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

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

Agency	FY 16/17		FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		Total Program		Cumulative Water Savings across all Fiscal Years
	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res	Comm.	
Brea	8,354	479	9,853	27,234	3,180	44,733	8,244	0	3,745	0	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	1,801	2,379	149,368	582,259	691.62
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	20,098	8,429	592,110	476,162	1,042.11
Irvine Ranch	231,483	46,725	86,893	61,037	55,346	203,014	23,465	30,267	14,662	18,545	12,874	36,484	1,510,939	3,476,460	4,593.38
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	17,109	0	451,638	344,029	669.62
Moulton Niguel	220,749	0	98,271	0	106,574	0	81,778	18,951	38,555	184,371	20,365	75,010	1,781,641	3,043,376	4,589.12
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	12,866	0	506,230	400,776	908.75
San Clemente	4,267	0	33,083	7,098	6,500	0	6,420	13,719	10,148	50,000	3,075	6,067	422,051	537,990	874.90
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	3,155	0	913,956	1,309,523	2,090.55
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	0	75,807	160,245	202.87
Tustin	11,173	0	16,926	0	13,189	6,894	15,343	6,936	15,919	0	13,569	5,698	387,922	61,329	400.94
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	3,136	0	534,166	145,403	643.25
MWDOC Totals	613,934	264,998	424,780	264,697	288,590	509,385	238,771	303,842	182,627	439,036	153,709	252,578	10,100,481	13,447,634	22,249.95

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

Orange County Totals	613,934	264,998	424,780	264,697	288,590	509,385	238,771	303,842	182,627	439,036	153,709	252,578	10,100,481	13,456,848	22,261
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[1] Installed device numbers are listed as square feet

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

Agency	FY 16/17		FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		Total Program		Cumulative Water Savings across all Fiscal Years
	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res.	Comm.	Res	Comm.	
Brea	0	0	325	0	0	0	2,026	0	1,023	0	949	0	5,073	30,833	22.01
Buena Park	0	0	0	0	0	0	0	0	1,589	0	354	0	1,943	3,814	3.00
East Orange	0	0	0	0	0	0	0	0	0	0	5,000	0	5,000	0	0.40
El Toro	0	0	0	11,473	3,084	14,770	0	0	0	4,000	0	0	4,584	68,883	39.81
Fountain Valley	0	0	361	1,429	1,145	19,427	0	0	2,443	0	10,271	0	15,470	20,856	10.75
Garden Grove	0	0	0	0	0	0	0	0	0	0	0	0	2,125	0	2.02
Golden State	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0.88
Huntington Beach	0	0	1,350	0	0	0	1,140	5,309	12,159	0	11,301	0	29,325	14,792	14.04
Irvine Ranch	1,625	0	3,089	0	7,972	63,159	8,879	20,569	20,249	38,048	6,644	4,050	56,083	258,943	144.75
La Habra	0	0	0	0	0	0	0	0	3,021	0	0	0	3,021	0	0.53
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	3.46
Mesa Water	0	0	2,163	0	2,602	7,547	6,640	0	11,062	0	4,540	0	29,507	12,444	14.17
Moulton Niguel	0	0	0	120,459	0	6,478	0	627	0	0	0	4,670	15,125	330,918	208.53
Newport Beach	0	0	1,600	0	1,495	0	0	0	301	0	457	0	3,853	52,244	36.15
Orange	0	0	0	0	4,732	0	687	0	1,927	0	2,819	0	12,415	13,152	14.45
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0	0	0	2,125	0	1.80
San Clemente	0	0	2,343	8,505	0	0	0	0	5,746	0	3,135	0	12,849	8,505	7.41
Santa Margarita	625	0	5,720	0	1,533	0	2,368	15,344	11,004	0	655	0	66,905	241,355	217.65
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	2.37
South Coast	625	0	0	0	0	0	1,913	30,912	0	1,018	0	69,554	7,413	134,710	38.68
Trabuco Canyon	0	0	0	0	0	0	0	0	1,748	0	0	0	1,748	0	0.18
Tustin	0	0	0	0	5,066	0	958	5,461	9,613	0	9,966	5,305	29,603	10,766	9.83
Westminster	0	0	0	0	463	0	0	0	445	0	0	0	1,783	15,339	10.87
Yorba Linda	0	0	0	4,125	3,652	0	0	0	0	0	250	5,914	6,152	10,039	5.68
MWDOD Totals	5,250	0	19,429	145,991	31,744	111,381	24,611	78,222	82,330	43,066	57,912	89,493	322,776	1,227,593	809.43

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

Orange County Totals	5,250	0	19,429	145,991	31,744	111,381	24,611	78,222	82,330	43,066	57,912	89,493	322,776	1,227,593	809
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[1] Installed device numbers are listed as square feet

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

Agency	FY 13/14		FY 14/15		FY 15/16		FY16/17		FY17/18		FY18/19		FY19/20		FY20/21		FY21/22		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm.	
Brea	4	0	43	6	20	4	31	4	32	0	33	0	31	0	49	0	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
MWDOC Totals	571	402	648	1,026	1,123	3,136	1,691	1,137	1,652	460	1,693	427	1,583	323	2,985	420	1,098	238	17,806	11,744	67,529.60

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
Non-MWDOC Totals	24	34	56	105	84	72	155	20	127	0	243	93	191	146	304	22	119	19	1509	1036	5,976.83

Orange County Totals	595	436	704	1,131	1,207	3,208	1,846	1,157	1,779	460	1,936	520	1,774	469	3,289	442	1,217	257	19,315	12,780	73,506
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ROTATING NOZZLES INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 16/17			FY 17/18			FY 18/19			FY 19/20			FY 20/21			FY 21/22			Total Program			Cumulative Water Savings across all Fiscal Years
	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	
	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	
Brea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	572	2,749	0	101.41
Buena Park	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	558	173	2,535	1,090.08
East Orange	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	781	0	0	30.00
El Toro	55	242	0	36	0	0	0	0	0	0	0	0	30	0	0	0	0	0	3,435	46,222	890	2,063.05
Fountain Valley	0	0	0	85	0	0	0	283	0	0	0	0	124	0	0	36	0	0	955	283	0	34.54
Garden Grove	55	98	0	52	0	0	0	0	0	72	0	0	0	0	0	0	0	0	1,057	299	0	51.50
Golden State	207	6,008	0	161	-495	0	35	259	0	63	0	0	50	0	0	0	0	0	3,757	11,080	0	468.71
Huntington Beach	149	3,362	0	-37	0	0	0	0	0	65	0	0	80	0	0	0	0	0	3,905	12,526	2,681	1,830.10
Irvine Ranch	335	9,511	0	356	-215	0	72	0	0	157	0	0	566	0	0	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	30	0	0	10,244	7,538	1,343	1,182.81
Santa Margarita	15	0	0	224	0	0	30	0	0	229	0	0	30	0	0	132	0	0	16,810	6,921	611	1,200.54
Seal Beach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	7,852	0	253.87
Serrano	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,405	0	0	139.60
South Coast	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,130	18,870	0	890.74
Trabuco Canyon	0	4,339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,086	5,130	0	236.37
Tustin	65	-341	0	30	0	0	47	0	0	55	0	0	30	0	0	0	0	0	3,533	1,058	0	182.25
Westminster	105	0	0	50	0	0	42	0	0	0	0	0	0	0	0	0	0	0	556	0	0	19.21
Yorba Linda	213	0	0	0	0	0	34	0	0	0	0	0	0	0	0	95	0	0	6,210	4,359	500	657.14
MWDOC Totals	1,556	31,599	0	2,199	-710	0	1,043	1,980	0	###	0	0	1,370	0	0	1,020	0	0	199,977	280,340	14,752	24,670.95

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	0	0	0	893	5,752	0	225.97
Non-MWDOC Totals	212	8,093	0	0	0	0	140	0	0	109	0	0	133	0	0	248	0	0	8,419	66,860	1,589	3,333.00

Orange County Totals	1,768	39,692	0	2,199	-710	0	###	1,980	0	###	0	0	1,503	0	0	1,268	0	0	208,396	347,200	16,341	28,003.96
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RAIN BARRELS INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Total Program	Cumulativ e Water Savings across all Fiscal Years
Brea	0	15	61	8	2	0	2	1	0	0	89	1.02
Buena Park	5	9	148	24	5	3	2	2	1	0	199	2.22
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	1.27
Fountain Valley	8	22	210	136	16	6	1	4	0	0	403	4.46
Garden Grove	16	34	237	38	17	5	11	7	4	0	369	4.12
Golden State	14	43	239	207	11	9	8	10	2	0	543	5.98
Huntington Beach	147	294	700	50	11	6	8	10	4	0	1,230	15.20
Irvine Ranch	21	101	778	82	24	19	9	27	9	0	1,070	11.86
La Habra	12	15	39	4	1	0	2	0	1	0	74	0.89
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	3	0	453	5.87
Mesa Water	8	64	229	32	14	8	11	2	4	0	372	4.22
Moulton Niguel	2	74	259	63	12	12	5	2	6	0	435	4.86
Newport Beach	3	4	52	5	5	1	3	2	0	0	75	0.81
Orange	8	41	284	31	15	12	2	2	4	0	399	4.49
San Juan Capistrano	20	70	192	4	3	4	0	2	0	0	295	3.50
San Clemente	7	54	95	6	8	3	0	1	2	0	176	2.07
Santa Margarita	30	29	237	46	9	6	2	6	2	0	367	4.21
Seal Beach	8	20	37	4	2	2	-2	0	0	0	71	0.89
Serrano	0	11	21	8	0	0	0	0	2	0	42	0.48
South Coast	14	97	55	14	3	1	0	0	2	0	186	2.31
Trabuco Canyon	0	11	44	2	1	0	0	1	0	0	59	0.69
Tustin	9	23	175	27	5	5	7	3	0	0	254	2.86
Westminster	5	8	118	63	23	13	16	27	0	0	273	2.60
Yorba Linda	5	20	183	18	0	3	0	4	0	0	233	2.71
MWDOC Totals	422	1,350	4,583	896	195	125	100	121	51	0	7,843	90.18

Anaheim	12	27	235	18	2	8	7	11	1	0	321	3.59
Fullerton	16	13	171	19	0	2	5	4	0	0	230	2.63
Santa Ana	8	46	154	31	2	0	7	6	0	0	254	2.94
Non-MWDOC Totals	36	86	560	68	4	10	19	21	1	0	805	9.16

Orange County Totals	458	1,436	5,143	964	199	135	119	142	52	0	8,648	99.34
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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	6,233.67
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	1,407.51
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	178.53
Moulton Niguel WD	1	1	37	1	1	1	0	0	42	659.75
Newport Beach	0	0	1	0	0	0	0	0	1	755.05
Orange	0	0	0	0	0	0	0	0	0	0.00
San Juan Capistrano	0	0	0	4	2	0	1	0	7	187.37
San Clemente	1	16	6	0	0	0	0	0	23	4,504.74
Santa Margarita WD	0	17	14	4	0	0	0	0	35	2,539.18
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	1,108.29
Trabuco Canyon WD	0	0	1	0	0	0	0	0	1	1,393.78
Tustin	0	0	0	0	0	0	0	0	0	0.00
Westminster	0	0	0	0	0	0	0	0	0	0.00
Yorba Linda WD	0	0	0	0	0	0	0	0	0	0.00
MWDOC Totals	12	55	71	13	4	8	14	4	181	18,967.86

Anaheim	0	0	0	0	1	0	0	0		183.08
Fullerton	0	0	0	0	0	0	0	0		0.00
Santa Ana	0	0	0	0	0	0	0	0		0.00
Non-MWDOC Totals	0	0	0	0	1	0	0	0	0	183.08

Orange County Totals	12	55	71	13	5	8	14	4	181	19,150.94
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I hereby certify that the following Agenda was posted at least 72 hours prior to the time of the Board Meeting so noticed below, at the usual agenda posting location of the South Orange County Wastewater Authority [SOCWA] and at www.socwa.com.



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

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

**April 7, 2022
8:30 a.m.**

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

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

FOR MEETING PARTICIPATION:

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South Orange County Wastewater Authority
Board of Directors Meeting
April 7, 2022, Agenda

1. CALL MEETING TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ORAL COMMUNICATIONS

Members of the public may address the board regarding an item on the agenda or may reserve this opportunity during the meeting at the time the item is discussed by the board. There will be a three-minute limit for public comments.

PAGE NO

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

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

- A. The Board hereby FINDS AND DECLARES that it has considered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020, relating to the Covid-19 pandemic;
- B. Based on the information provided in this staff report and pursuant to the information and discussion presented in the April 7, 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, April 7, 2022, to May 6, 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 May 12, 2022, Special Board meeting so that the Board can at that point in time make a determination regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees.

South Orange County Wastewater Authority
Board of Directors Meeting
April 7, 2022, Agenda

PAGE NO

5. CONSENT CALENDAR

- A. Minutes of Board of Directors 21
- Board of Directors Regular Meeting of March 3, 2022
- ACTION The Board will be requested to approve subject Minutes.
- B. Minutes of PC 2 Committee 27
- PC 2 Committee Meeting of March 10, 2022
- ACTION The PC 2 Board will be requested to approve subject Minutes as submitted and the Board of Directors will be requested to receive and file subject Minutes.
- C. Minutes of PC 15 Committee 29
- PC 15 Committee Meeting of March 17, 2022
- ACTION The PC 15 Board will be requested to approve subject Minutes as submitted and the Board of Directors will be requested to receive and file subject Minutes.
- D. Minutes of Finance Committee 32
- Finance Committee Meeting of February 15, 2022
- ACTION The Board of Directors will be requested to receive and file subject Minutes.
- E. Financial Reports for the Month of January 2022 36
- The reports included are as follows:
1. Summary of Disbursements for January 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 January 2022 disbursements for the period from January 1, 2022 through January 31, 2022, totaling \$3,838,632, and to receive and file the January 2022 Financial Reports as submitted.

South Orange County Wastewater Authority
Board of Directors Meeting
April 7, 2022, Agenda

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F. Financial Reports for the Month of February 2022 54

The reports included are as follows:

1. Summary of Disbursements for February 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 to the Board of Directors to ratify the February 2022 disbursements for the period from February 1, 2022, through February 28, 2022, totaling \$3,585,087, and to receive and file the February 2022 Financial Reports as submitted.

G. Actuary Firms Open Task Orders, Authorization for Two-Years Services Totaling \$15,000 for Work of Bartel Associates and Nyhart 72

ACTION The Finance Committee recommends that the Board of Directors authorize the General Manager to acquire the services of Bartel Associates and Nyhart over a two-year period in the amount of \$15,000.

H. Operations Reports February 2022 73

1. Monthly Operations Report
2. SOCWA Ocean Outfall Discharges by Agency
3. Beach Ocean Monitoring Report
4. Recycled Water Report
5. Pretreatment Report

ACTION The Board will be requested to receive and file the January 2022 Operations Reports.

I. Capital Improvement Program Status Report 114

ACTION Information Item

South Orange County Wastewater Authority
Board of Directors Meeting
April 7, 2022, Agenda

PAGE NO

J. Capital Improvement Program Project Construction Projects Report [Project Committees 2, and 15]	120
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- ACTION The Engineering Committee recommends:
- that the PC 2 Board of Directors approve S&S Mechanical Change Order 1 for \$5,503.44 for the J.B. Latham Digester 1 and 2 Manway Access Improvements Project: and
 - that the PC 15 Board of Directors approve JR Filanc Change Orders 12 through 23 totaling a credit of \$256,640.41 for the CTP Export Sludge Force Main Replacement Project.

6. GENERAL MANAGER'S REPORTS

A. Actuary Third Amendment to San Diego Funding Area Memorandum of Understanding for Integrated Regional Water Management (IRWM) Planning and Funding	126
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- ACTION Board of Directors to authorize the Chair to sign the 3rd Amendment to the Tri-County Funding Area Agreement in form and substance consistent with the attached version with allowance for any minor non-substantive comments that may be submitted by other parties.

B. AWT#2 Equipment Purchases [Project Committee 17]	135
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- ACTION Staff recommends that the Board of Directors authorize the purchase of a 12" Cla valve and an 8" Cla valve at the cost of %51,822.36, plus shipping that will be determined at the time of shipping.

C. Extension of Amendment to the Waste Disposal Agreement with OC Waste and Recycling [Project Committee 17]	136
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- ACTION Staff recommends that the Board of Directors authorize the Board Chair to provide a written intent to renew the Waste Disposal Agreement between the South Orange County Wastewater Authority and the County of Orange (OC Waste and Recycling).

D. General Counsel's Updates.....	139
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South Orange County Wastewater Authority
Board of Directors Meeting
April 7, 2022, Agenda

E. General Manager's Report 141

ACTION Information Items, Board Discussion and Direction

F. Upcoming Meetings Schedule:

- April 12, 2022 Special Meeting Board Closed Session
- April 14, 2022 Engineering Committee Meeting
- April 19, 2022 Finance Committee Special Meeting

ACTION Information Item

7. CLOSED SESSION

A. A Closed Session pursuant to government code section § 54957.6

- Conference with Labor Negotiators

Agency designated negotiators: Betty Burnett, General Manager and Brad
Neufeld of Varner & Brandt

Employee organization: SOCWA Employees Association

B. Report out of Closed Session.

8. OTHER MATTERS

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

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

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
MAY 12, 2022

I hereby certify that the following Agenda was posted at least 24 hours prior to the time of the Board Meeting so noticed below, at the usual agenda posting location of the South Orange County Wastewater Authority [SOCWA] and at www.socwa.com.



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

*Special Closed Session Meeting of The
South Orange County Wastewater Authority
Board of Directors*

April 12, 2022
8:00 a.m.

LOCATION:
In Person Meeting at
Residence Inn Dana Point San Juan Capistrano
33711 Camino Capistrano
San Juan Capistrano, CA 92675

THE BOARD OF DIRECTORS MEETING ROOM IS LOCATED AT **RESIDENCE INN, 33711 CAMINO CAPISTRANO, SAN JUAN CAPISTRANO, CA**. THE ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY-RELATED ACCOMMODATIONS (I.E., ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.), PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S BOARD SECRETARY'S OFFICE AT 949-234-5452 AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN AN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD SECRETARY AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA AT THE LOCATION OF THE MEETING AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE BOARD OF DIRECTORS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA AT THE LOCATION OF THE MEETING.

1. CALL MEETING TO ORDER
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.

AGENDA
South Orange County Wastewater Authority
Board of Directors Special Closed Session Meeting
April 12, 2022

3. CLOSED SESSION

- a. A Closed Session pursuant to government code section § 54957
 - Public employee discipline/dismissal/release
- b. Report out of Closed Session.

4. ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
MAY 12, 2022

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

ENGINEERING COMMITTEE
TELECONFERENCE MEETING**

**April 14, 2022
8:30 a.m.**

Join Zoom Meeting by clicking on the link below:

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

Meeting ID: 843 3564 8750
Passcode: 664077

One tap mobile
+16699006833,,84335648750#,,, *664077# US (San Jose)
+12532158782,,84335648750#,,, *664077# US (Tacoma)

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/kbBNvMiElJ>

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was called to be held by Teleconference on **April 14, 2022**, at **8:30 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

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

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ENGINEERING COMMITTEE IN CONNECTION WITH A MATTER SUBJECT 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. Approval of Minutes

- a. Engineering Committee Meeting of February 10, 2022
- b. Engineering Committee Meeting of March 10, 2022

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

4. Operations Report

Recommended Action: Information Items.

5. Capital Improvement Construction Projects Report [Project Committees 2, 15, and 17]

Recommended Action: Staff recommends that the Engineering Committee recommend:

- To the PC 2 Board of Directors to ratify Olsson Construction Change Orders:
 - o Change Order 42 for \$12,885.18,
 - o Change Order 43 for \$2,774.58,
 - o and Change Order 44 for \$1,009.86For a total of \$16,669.62 and a revised contract value of \$18,714,842.00 for the J.B. Latham Package B project; and
- To the PC 15 Board of Directors to ratify 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).

6. Revise Hazen & Sawyer Design Services Contract for JBL Electrical System Study and Design Project [Project Committee 2]

Recommended Action: Staff recommends that the Engineering Committee recommend to the PC 2 Board to 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.

7. J.B. Latham Package B Project Update [Project Committee 2]

Recommended Action: Information Item.

8. An amendment to the Butier Engineering Contract for Construction Management, Inspection Services and Other Related Services for the JBL Package B Project [Project Committee 2]; (Additional cost proposal to be provided under separate cover)

Recommended Action: Staff recommends that the Engineering Committee recommend to the PC 2 Board to approve an amendment to the Butier Engineering contract for construction management, inspection and other related services for the JBL Package B Project.

9. CIP Budget Update for FY2022-23

- PowerPoint Presentation

Recommended Action: Information Item.

Adjournment

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

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

Dated this 7th day of April 2022.



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

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

FINANCE COMMITTEE
TELECONFERENCE MEETING**

**April 19, 2022
10:30 a.m.**

Join Zoom Meeting by clicking on the link below:

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

Meeting ID: 847 1919 5804
Passcode: 424311

One tap mobile
+16699006833,,84719195804#,,, *424311# US (San Jose)
+12532158782,,84719195804#,,, *424311# US (Tacoma)

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

Find your local number: <https://socwa.zoom.us/j/84719195804>

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee was called to be held by teleconference on **April 19, 2022**, located at 34156 Del Obispo Street, Dana Point, California.

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

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY FINANCE COMMITTEE IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE FINANCE COMMITTEE ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS. IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE FINANCE COMMITTEE LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

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

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

3. Approval of Minutes

- a. Finance Committee Meeting of March 15, 2022
- b. Finance Committee Meeting of March 29, 2022

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

4. Financial Reports for the Month of March 2022

The reports included are as follows:

- a. Summary of Disbursements for March 2022 (Exhibit A)
- b. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
- c. Schedule of Cash and Investments (Exhibit C)
- d. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
- e. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)
- f. Q3 Fringe Pool and Fringe Rate Forecast (Exhibit E-5) (Updated Fringe Rate)

Recommended Action: Staff 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.

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

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors to receive and file the Q3 Fiscal Year 2021-22 Cash Roll Forward as submitted.

April 19, 2022

6. 457b Plan Loan Program Update

Staff is seeking concurrence of the Finance Committee to recommend the Board of Directors:

1. Approval for 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]
2. 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]

7. SOCWA 457b Plan Investment Policy Update

Recommended Action: Staff is seeking a Finance Committee recommendation to the Board to approve the SOCWA Employee Committee moving ahead to sign a revised Investment Policy Statement.

8. FY2021/22 O&M Budget Update and Proposed Budget Amendments

Recommended Action: Staff recommends that the Finance Committee recommend to the Board of Directors:

- a. PC 2 Board to approve JBL budget line items to be amended by \$430,000 and allocated as reported.
- b. PC 17 Board to approve RTP budget line items to be amended by \$100,000 and allocated as reported.

9. FY 2022-23 O&M Environmental Safety, General Fund, Administration, Residual Engineering, IT, and Capital Budget Workshop

- Staff Presentation of PowerPoint attached.

Recommended Action: Committee discussion, comments, and direction

Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Finance Committee at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced Finance Committee at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 14th day of April 2022.



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

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

Jointly with the

PLANNING & OPERATIONS COMMITTEE

April 4, 2022, 8:30 a.m.

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

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

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

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

Webinar ID: 882 866 5300#

P&O Committee:

Director Tamaribuchi, Chair
Director McVicker
Director Nederhood

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

Ex Officio Member: Director Yoo Schneider

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

ROLL CALL

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

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

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

PRESENTATION ITEMS

1. EARTH MONTH OUTREACH PRESENTATION
2. MWDOC MEMBER AGENCY FACILITATED DISCUSSION PROJECT PRESENTATION

ACTION ITEM

3. ORANGE COUNTY LOCAL AGENCY FORMATION COMMISSION (OC LAFCO)
ALTERNATE SPECIAL DISTRICT MEMBER SEAT - ELECTION

DISCUSSION ITEMS

4. UPDATE ON COVID-19 (ORAL REPORT)

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

5. WEROC EOC PROJECT AND FUNDING UPDATE
6. MASTER AGREEMENTS FOR SHARED PROGRAMS AND SERVICES WITH ANAHEIM, SANTA ANA AND FULLERTON
7. 2022 OC WATER SUMMIT UPDATE
8. MWDOC CHOICE SCHOOL PROGRAMS UPDATE
9. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects
 - d. Public and Government Affairs
10. REVIEW OF ISSUES RELATED TO PLANNING OR ENGINEERING PROJECTS, WEROC, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, PUBLIC AFFAIRS PROGRAMS AND EVENTS, PUBLIC INFORMATION PROJECTS, PUBLIC INFORMATION CONSULTANTS, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

ADJOURNMENT

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

Accommodations for the Disabled. Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Maribeth Goldsby, District Secretary, at (714) 963-3058, or writing to Municipal Water District of Orange County at P.O. Box 20895, Fountain Valley, CA 92728.

Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
April 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#

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC PARTICIPATION/COMMENTS

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

NEXT RESOLUTION NO. 2125

ACTION ITEMS

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

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

COVID-19, and (2) state and local officials continue to impose or recommend measures to promote social distancing.

2. AB 2449 (RUBIO) – OPEN MEETINGS: LOCAL AGENCIES: TELECONFERENCES

Recommendation: Vote to adopt a Support position on AB 2449 (Rubio) and send a letter to the author's office and Orange County delegation.

3. SB 991 (NEWMAN) – PUBLIC CONTRACTS: PROGRESSIVE DESIGN BUILD: PUBLIC AGENCIES

Recommendation: Vote to adopt a Support position on SB 991 (Newman) and send a letter to the author's office and the Orange County delegation

PRESENTATION/DISCUSSION ITEMS

4. 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.

5. 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.

6. DISCUSSION REGARDING MET'S BIENNIAL BUDGET

- a. Presentation by MET Chief Financial Officer regarding MET's Biennial Budget
- b. MWDOC Member Agency Budget Letters

Recommendation: Review and discuss the information presented.

INFORMATION ITEMS

7. WATER SUPPLY CONDITIONS UPDATE

Recommendation: Review and discuss the information presented.

8. MET ITEMS CRITICAL TO ORANGE COUNTY (The following items are for informational purposes only – a write up on each item is included in the packet. Discussion is not necessary unless requested by a Director)

- a. MET's Finance and Rate Issues
- b. MET's 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.

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

- a. Summaries regarding March 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.

SPECIAL MEETING OF THE
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
April 7, 2022, 6:00 p.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 meeting via Zoom Webinar and will be available by either computer or telephone audio as follows:

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

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

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

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

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

- 1. DISCUSSION WITH REPRESENTATIVES FROM MWDOC'S MEMBER AGENCIES REGARDING KEY REGIONAL ISSUES AND KEY ORANGE COUNTY ISSUES, INCLUDING THE MWDOC (AND MET) BUDGET AND PROPOSED ACTIVITIES FOR FY 2022-23 (AND RESERVES), THE WEROC EMERGENCY OPERATIONS CENTER (EOC), AND WATER USE EFFICIENCY ACTIVITIES (PROPOSED STANDARDS AND WATER LOSS/LEAK DETECTION)**

Recommendation: Receive information and discuss the various issues outlined.

ADJOURNMENT

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MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
April 13, 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:

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Webinar ID: 882 866 5300#

A&F Committee:

Director Seckel, Chair
Director Thomas
Director Dick

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

Ex Officio Member: Director Yoo Schneider

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

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>.

STAFF INTRODUCTIONS

PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT

- a. Revenue/Cash Receipt Report – March 2022
 - b. Disbursement Approval Report for the month of April 2022
 - c. Disbursement Ratification Report for the month of March 2022
 - d. GM Approved Disbursement Report for the month of March 2022
 - e. Consolidated Summary of Cash and Investment – February 2022
 - f. OPEB and Pension Trust Fund monthly statement
2. FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the Period Ending February 28, 2022

ACTION ITEMS

3. REVIEW INFORMATION REGARDING PUBLIC HEARING (SCHEDULED FOR APRIL 20, 2022) TO ADOPT ORDINANCE SUPERSEDING AND REPEALING MWDOC ORDINANCE NO. 54 REGARDING COMPENSATION FOR DIRECTORS
4. ADOPTION OF THIRD DRAFT OF THE FY 2022-23 BUDGET
5. PROPOSED MWDOC WATER RATE RESOLUTION FOR FISCAL YEAR 2022-23
6. SELECTION OF ANNUAL FINANCIAL STATEMENT AUDIT SERVICES
7. APPROVE CONTINUATION OF LEGAL SERVICES WITH BEST, BEST & KRIEGER

DISCUSSION ITEMS

8. RESERVE AND FUND POLICY REVIEW

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

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

OTHER ITEMS

11. 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
April 20, 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:

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

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

AGENDA

MOMENT OF SILENCE

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

NEXT RESOLUTION NO. 2125

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. March 2, 2022 Workshop Board Meeting
- b. March 16, 2022 Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: March 14, 2022
- b. Administration & Finance Committee Meeting: March 9, 2022
- c. Executive Committee Meeting: March 17, 2022

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

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

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of February 28, 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 February 28, 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. ORANGE COUNTY LOCAL AGENCY FORMATION COMMISSION (OC LAFCO) ALTERNATE SPECIAL DISTRICT MEMBER SEAT - ELECTION

Recommendation: Support Kathryn Freshley from El Toro Water District for OC LAFCO Alternate Special District Member seat, authorize President Yoo Schneider and alternate Director McVicker to cast the District's ballot, and authorize staff to submit the appropriate forms to OC LAFCO by the deadlines outlined.

7. SELECTION OF ANNUAL FINANCIAL STATEMENT AUDIT SERVICES

Recommendation: Authorize the General Manager to enter into an audit contract with Davis Farr LLP, to perform an annual financial audit of the District's financial statements for FY 2021-22, in an amount of \$31,500, with an option to renew the agreement for up to four additional one-year terms at slightly higher amounts, not to exceed \$33,418/year.

8. APPROVE CONTINUATION OF LEGAL SERVICES WITH BEST, BEST & KRIEGER

Recommendation: Approve foregoing the RFP/Q process and authorize staff to negotiate a contract with Best, Best & Krieger (BBK) for comprehensive and general District legal services for an additional five years, effective September 1, 2022.

End Consent Calendar

PUBLIC HEARING/ACTION ITEM

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

ORD. NO. 56

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

ACTION CALENDAR**10-1 ADOPTION OF THIRD DRAFT OF THE FY 2022-23 BUDGET
& TIER 2 RESERVE ACTION RES. NO. _____**

Recommendation: Adopt a Resolution approving and establishing the MWDOC Budget for FY 2022/23, to include the liquidation of the Tier 2 Contingency Reserve Fund and returning this amount (approximately \$1,035,567) to the member agencies via a credit on their FY 22/23 budget invoice, with the full understanding/implication that reserve levels will not be fully funded this fiscal year.

**10-2 PROPOSED MWDOC WATER RATE RESOLUTION FOR FISCAL YEAR
2022-23 RES. NO. _____**

Recommendation: (1) **Increase** the MWDOC Retail Meter Charge from \$13.00 to \$13.75 per meter, and **increase** the Groundwater Customer Charge from \$335,385 to \$368,501 effective July 1, 2022; and (2) Adopt the Water Rate Resolution setting forth rates and charges to be effective July 1, 2022 and January 1, 2023 as identified in the Water Rate Resolution for Fiscal Year 2022-23. (Note, due to the recent MET Board action regarding the Biennial Budget, Exhibits A and B to the Rate Resolution will change.)

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

11. GENERAL MANAGER'S REPORT, APRIL 2022 (ORAL AND WRITTEN)

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

12. MWDOC GENERAL INFORMATION ITEMS

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

Recommendation: Receive and file as presented.

ADJOURNMENT

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GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES APRIL 2022

MWDOC Agencies Managers Meeting

MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on Thursday, March 17, 2022.

In attendance were: R. Correa – Brea, M. McGee – Buena Park, D. Youngblood – EOCWD, D. Cafferty – El Toro WD, M. Dunbar – Emerald Bay SD, M. Sprague – Fountain Valley, C. Pasillas – Garden Grove, K. Vecchiarelli – Golden State WC, A. Papa & C. Davis – Huntington Beach, P. Cook & P. Weghorst – Irvine Ranch WD, P. Shoenberger – Mesa WD, D. Atwater, L. Rocha, K. Young & M. Collings – Moulton Niguel WD, M. Vukojevic – Newport Beach, M. Markus & J. Kennedy, K. O'Toole – OCWD, D. Rebensdorf – San Clemente, D. Ferons – Santa Margarita WD, I. Lee – Seal Beach, J. Vilander – Serrano WD, M. Serna, T. Kjolsing & R. Shintaku – South Coast WD, F. Paludi & M. Perea – Trabuco Canyon WD, M. Grisso – Tustin, J. DeCriscio & D. Davert – Yorba Linda WD

Staff in attendance were: R. Hunter, H. De La Torre, A. Heide, C. Lingad, C. Busslinger, V. Osborn, M. Baum-Haley, J. Berg, K. Hostert, H. Baez, D. Micalizzi, J. Schunk, D. Harrison

General Meeting Information/Discussion Items:

- MWDOC Draft Agendas
- MWDOC FY2022-23 Draft Budget Update
- MWDOC Facilitated Discussions Update
- Annual Water Loss Control Technical Assistance & Shared Services
- Metropolitan Updates
 - Metropolitan FY 2022-23 & 2023-24 Budget
 - Strategic Priorities
 - Upcoming Key Board Items
- Low Income Household Water Assistance Program
- Katano Kasaine, MET CFO – Presentation on Proposed Biennial Budget

Next meeting will tentatively be held April 21, 2022.

Meetings

- MWDOC staff and ABS Consulting, IDS Group, and Optima RPM participated in construction progress meetings in March regarding the admin building seismic retrofit and remodel. Meetings concerning close-out and final punch list items are being held.

Meeting - continued	<ul style="list-style-type: none"> • Charles Busslinger and Chris Lingad held a meeting with Black & Veatch on March 25, 2022, to discuss a potential benefit-cost analysis for the WEROC Primary EOC. • Charles Busslinger, Joe Berg, and Chris Lingad held a meeting with SMWD and consultants Water Systems Consulting and M. Cubed on March 25, 2022. A discussion was held on a potential study to have the consultants look at proposed long-term conservation legislation and the economic impacts on Orange County. • Charles Busslinger and Chris Lingad attended a meeting with MET on March 28, 2022, to discuss improvements to MET's Salinity Economic Impact Model (SEIM). The meeting included staff from consultant Daniel B. Stephans & Associates, who completed the previous update to the SEIM. • As requested by member agencies, the proposed improvements seek to bring the SEIM to the retail level by creating additional retail agency 'slots' in the model for agencies to input specific water supply and water quality source information to determine salinity impacts at the agency level. This should be sufficient to analyze multiple retail agencies within the three MWDOC study areas (Brea/La Habra, OC Basin, and South OC) which are divided up by water supply sources. The update does not modify the existing salinity impact formulas, but is a welcome improvement over the current model. MET anticipates the update will be available in the Fall of 2022.
ENGINEERING & PLANNING	
East Orange County Feeder No. 2 (EOCF#2) Emergency Pilot Program	<p>Staff and Means Consulting continue to work 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 program is intended to enhance water supply reliability in the event of a prolonged emergency. This is a multi-year effort. 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 emergency pump-in programs. Hazen & Sawyer is also providing technical assistance for this effort.</p> <p>Staff has scheduled a meeting with the Orange County EOCF #2 Joint Power Agreement members and capacity right holders to discuss the pilot project on March 31, 2022.</p>

DWR's Acceptance of 2020 UWMP	<p>On March 25, 2022 the California Department of Water Resources (DWR) notified MWDOC that the 2020 Urban Water Management Plan (UWMP) met all of the California Water Code requirements and is deemed complete. In meeting all of the Water Code requirements, MWDOC continues to be eligible to receive State grant funding. MWDOC, worked collaboratively with its 27 member agencies and the Metropolitan Water District to develop both the UWMP and the Water Shortage Contingency Plans to ensure coordination and consistency among the agencies plans. The majority of MWDOC's member agencies UWMPs are currently under review by DWR.</p>
Economic Benefit Studies and Modeling Work to Quantify the Benefits of Local Projects in the Context of MET's 2020 Integrated Resources Plan (IRP)	<p>MWDOC staff is finishing up work with the Brattle Group and CDM Smith on the Economic Benefits Studies. The studies will be useful in helping MWDOC and our agencies better understand the reliability benefits provided by potential supply investments at both the MET level and at the Orange County level by quantifying economic benefits for Orange County. The studies are looking at two main sectors of the OC economy: Residential and Business sectors. The benefits are being quantified by looking at the 'avoided costs' of water shortages to both of these sectors of the OC economy.</p> <p>Wallace Walrod, economist for Orange County Business Council and sub-consultant for the Brattle Group, is leading the business portion of the economic benefit studies including the survey of the business community, to quantify how OC businesses would be impacted by water shortages of varying severity (i.e. 15% and 30% shortages for one year). Those losses are then multiplied by the probability of such a situation occurring to determine the economic impact to OC's business community. Dr. Walrod and Dr. Boarnet are currently finishing up the analysis of business impacts and completing their report.</p> <p>The residential impact analysis portion of the study is conducted by David Sunding of the Brattle Group, using available literature and information from the 2020 Urban Water Management Plans.</p> <p>Dr. Sunding's work includes analysis of residential consumer's willingness-to-pay (WTP) to avoid either 15% or 30% water use reductions for a period of one year in each of the three OC study areas (Brea/La Habra, OC Basin, and South OC). Their work determines total annual consumer 'welfare' losses (the difference between what consumers are willing to pay minus the cost of each additional unit of water supply) for each service area; as well as per person willingness-to-pay to avoid those losses. These per capita losses can then be used to determine per household WTP on both a monthly and annual basis to provide context and guidance for funding of local project investment decisions.</p> <p>Staff is looking to include the results of the economic benefits studies into the Reliability Study update.</p>

Reliability Study Update	Staff is working with CDM Smith on an update to the reliability study. The update will look at a total of 6 scenarios that include recent information, including uncertainty about the Delta Conveyance Project, scenarios looking at future potential water use efficiency standards, and recent climate change impact information. The update will incorporate the latest demand forecasts from the 2020 Urban Water Management Planning efforts, updated project cost information where available, and include final information from MET's 2020 IRP process. Staff will be presenting the scope of the Reliability Study update scenarios at April's MWDOC Member Agency Managers meeting to obtain agency input. Staff anticipates the update to be completed in the next few months. Staff will then bring the study results to the Board for discussion.
Doheny Ocean Desalination Project	<p>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 approved by the SCWD Board.</p> <p>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.</p> <p>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 1st-year water cost of \$1,928/AF in 2021\$ and a 5 MGD project with an estimated 1st-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\$).</p> <p>The third-party hydrogeology study of the San Juan Basin has been extended and includes work optimizing the north and south portions of the basin.</p>
Poseidon Resources Huntington Beach Ocean Desalination Project	<p>On April 29, 2021, the Santa Ana Regional Water Quality Control Board (SARWQCB) conditionally renewed Poseidon's permit governing the seawater intake and waste discharges.</p> <p>The next step for Poseidon is to seek a Coastal Development Permit (CDP) from the California Coastal Commission (CCC). Poseidon has requested to delay the March 17th CCC hearing on the CDP until later this spring.</p>
Shutdowns	<p>Diemer Water Treatment Plant</p> <p>MET is planning to repair a chlorine diffuser pipe at the Diemer WTP, requiring a seven-day full-plant shutdown. A meeting was held on February 3rd to inform MET</p>

<p>Shutdowns - continued</p>	<p>of the agencies' local supply conditions for this calendar year. Shutdown dates are being reevaluated by MET staff at this time.</p> <p>Orange County Feeder</p> <p>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.</p> <p>MET has delayed the relining project and has proposed new shutdown dates of September 15, 2022, through June 15, 2023.</p> <p>Orange County Feeder Extension</p> <p>MET plans to reline 300-linear feet of the OC Feeder extension affecting the City of Newport Beach, IRWD, and LBCWD. MWDOC and the City are meeting with MET staff to review the Traffic Control Plan details.</p> <p>MET has delayed the relining project by one year and has proposed new shutdown dates of June 16, 2023, through July 10, 2023.</p> <p>Orange County Reservoir (OC Feeder)</p> <p>The decommissioning of the Orange County Reservoir has been rescheduled to March 20, 2022, through March 25, 2022. This work will affect the cities of Brea and La Habra.</p> <p>Lake Mathews Facility Shutdown</p> <p>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.</p> <p>Allen-McColloch Pipeline</p> <p>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, identify permitting requirements, and development of 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 scheduling.</p>
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Shutdowns - continued	<p>MET plans to inspect additional PCCP sections of the AMP in FY 23-24. MWDOC staff continue 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 for construction of a possible pump station to enhance the ability to accommodate longer shutdown durations for the rehabilitation project and provide continuing future long term reliability benefits for future MET shutdowns.</p> <p>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. Staff looks forward to MET's response.</p>
<h2 style="text-align: center;">MET ITEMS CRITICAL TO ORANGE COUNTY</h2>	
MET Finance and Rate Issues	<p>Current Update</p> <p>Water Transactions for January 2022 totaled 88.1 thousand acre-feet (TAF), which was 19.7 TAF lower than the budget of 107.8 TAF and translated to \$80.7 million in revenues for January 2022, which was \$19.5 million lower than the \$100.2 million budget. Year-to-date water transactions through January 2022 were 1,008.1 TAF, which was 45.6 TAF higher than the budget of 962.5 TAF. Year-to-date water revenues through January 2022 were \$906.6 million, which was \$27.3 million higher than the budget of \$879.3 million. As of January 31, 2022, Metropolitan's investment portfolio balance was \$1.36 billion</p> <p>Biennial Budget Process</p> <p>For information on the Metropolitan's Biennial Budget Process, please refer to the Presentation Item: 6. Discussion Regarding MET's Biennial Budget.</p>
MET Integrated Resources Plan Update	<p>Current Update</p> <p>Over the past two years, Metropolitan has worked on a new formulation of the Integrated Water Resources Plan (IRP). This first phase of the 2020 IRP incorporates scenario planning and features findings from a regional needs assessment. The findings will inform the selection and implementation of actions to address risks to Metropolitan's reliability. The 2020 IRP process is divided into two phases the (Phase 1) Needs Assessment and (Phase 2) Implementation Plan.</p> <p>The technical-level process of Phase 1 will transition to a collaborative process with member agencies and stakeholders focused on implementation and adaptive management. The post-IRP Implementation Plan is expected to commence spring of</p>

MET Integrated Resources Plan Update - continued	<p>2022. This will be used to develop a decision support strategy for thinking through timing and the basis for adaptive management actions, using available information and evaluation. The post-IRP Implementation process will likely consider various projects and programs to meet the scenario gaps with recognition of factors such as cost, supply yield, and timing.</p> <p>General Manager Hagekhalil has explained that the IRP will capture Metropolitan's potential supply gaps and guide the district during the post-IRP Implementation Plan process of identifying what alternatives (such as projects or programs) to invest in. This process may also be tied to a Financial Plan.</p> <p>The Metropolitan Board discussed the updated findings at the March 22 IRP Special Committee and will seek Board adoption of the 2020 IRP Regional Needs Assessment Report at the April 12 Board meeting. Once adopted, Metropolitan will begin a collaborative IRP implementation phase and adaptive management plan to identify specific actions informed by the needs assessment findings. This One Water approach will bring together imported and local supplies, storage, and demand management.</p>
Colorado River Issues	<p>Colorado River Basin Conditions</p> <p>The U.S. Bureau of Reclamation (Reclamation) 24-Month Study forecast for runoff into the Colorado River system has declined more than 1 million acre-feet (maf) between January and February 2022. Current runoff projections into Lake Powell for April through July of unregulated inflow forecast is 5.000 maf or 78 percent of average. The reduced runoff forecast has increased the chance of Lake Powell declining to power pool (elevation 3,490 feet) to around 25 percent each year through 2026. Current projections show the chances of Lake Mead declining to critically low elevations have improved because of an adjustment to a model that Reclamation made to more accurately account for intervening inflows between Lake Powell and Lake Mead. However, the risk of Lake Mead declining to elevation 1,020 feet is 20 percent in 2024 and increases to 37 percent in 2026. The increased risk of reaching critical elevations highlight the need to fully implement the 500+ plan agreement to add 1 maf of additional conserved water to Lake Mead by the end of next year. Metropolitan staff continues to explore new programs that could conserve water in the short-term and will keep the Board apprised of those activities.</p> <p>Treaty Minute 323 Implementation Update</p> <p>On September 21, 2017, the U.S. and Mexican Sections of the International Boundary and Water Commission signed Minute No. 323, titled "Extension of Cooperative Measures and Adoption of a Binational Water Scarcity Contingency Plan in the Colorado River Basin". Following Minute No. 323's adoption, a number of workgroups were established to implement the provisions of the minute. Metropolitan staff regularly participate in many of the workgroups, including the Projects' workgroup, which was established to seek "opportunities for joint cooperative projects with the potential for increasing delivery or exchange of Colorado River water benefitting both nations". In February, Metropolitan staff participated in the Minute 323 Projects Workgroup meeting. The Workgroup reviewed Conagua's progress on efficiency programs including replacement of</p>

Colorado River Issues – continued	<p>existing gate structures on the main canals in the system, as well as SCADA controls for better management of water deliveries. Additionally, the Workgroup discussed a New Water Projects Study, which has been finalized by Conagua and is seeking funding to move forward. The Workgroup recommended Mexico conduct a pilot project using a new drip irrigation system in the Mexicali area with additional technical and financial support from the U.S. Lastly, the workgroup heard a presentation by the non-governmental organizations (NGOs) that are working with the Mexicali area farmers to invest in water conservation projects to develop conserved water that could be purchased for environmental purposes. Some water has already been conserved and used for the environment and the NGOs would like to expand that effort as part of the Minute 323 Projects.</p>
Delta Conveyance Activities and State Water Project Issues	<p>Delta Conveyance</p> <p>The California Department of Water Resources (DWR) continues to develop an Environmental Impact Report (EIR) under the California Environmental Quality Act. The U.S. Army Corps of Engineers (USACE), as part of its permitting review under the Clean Water Act and Rivers and Harbors Act, continues its preparation of an Environmental Impact Statement (EIS) to comply with the National Environmental Policy Act. DWR and USACE plan to release draft environmental documents for public review in mid-2022.</p> <p>Field activities under the Initial Study/Mitigated Negative Declaration for Soil Investigations in the Delta (including cone penetration tests, soil borings, and geophysical surveys) have been temporarily paused for the winter but will continue in the spring. DWR and the Delta Conveyance Design and Construction Authority (DCA) are ongoing work to obtain temporary entry for additional soil surveys on private lands and permits for soil survey sites that fall under the jurisdiction of the Rivers and Harbors Act. Investigations at any given site will not occur until property owners have been notified and required permits and approvals for that site have been obtained.</p> <p>As part of DWR's efforts to work with the community to develop a Community Benefits Program, DWR conducted a case study workshop on November 17, 2021. The workshop provided an opportunity to learn about other programs that have been implemented in other parts of the country. Three panelists spoke about the insights and lessons learned from implementing other programs and answered questions from the public. The meeting materials and videos (in English and Spanish) are available on DWR's website (Community Benefits Program (ca.gov)).</p> <p>In February, DWR posted new planning and outreach materials on its Delta Conveyance Project website. These materials include a Public Outreach and Community Engagement Plan for 2022 that outlines ongoing public outreach and engagement activities (DCP Public Outreach and Community Engagement Plan for 2022 (ca.gov)). Other new materials include digital articles highlighting information from informational webinars on operations, climate change, environmental justice, fisheries held in 2021, and a new Delta Conveyance Deep Dive video on fisheries. These materials can be found on the project website (Delta Conveyance (ca.gov)).</p>

Delta Conveyance Activities and State Water Project Issues – continued	<p>Joint Powers Authority</p> <p>During the Delta Conveyance Design and Construction Authority (DCA) Special Board of Director's Meetings on January 14 and February 17, the DCA extended a resolution authorizing virtual board and committee meetings pursuant to AB 361. At its regularly scheduled January 20 DCA Board of Director's meeting, the Board of Directors approved a resolution to sunset the Stakeholder Engagement Committee (SEC). This direction recognized that the SEC was formed to solicit and incorporate stakeholder feedback for the DCA's conceptual design work, and this work has now been largely provided to the DWR environmental team. The DCA held a final SEC meeting in December to review its general work to date, its input in the conceptual design, and future outreach efforts by the DCA and DWR. In addition to this action, DCA staff recognized the SEC's valuable participation in representing their communities as part of the DCA's commitment to community outreach.</p> <p>The DCA Board also approved an increase to the adopted fiscal year 2021/22 budget from \$23.5 million to \$24.48 million. The revised budget incorporates amounts remaining from the final portion of the underspend from the fiscal year 2020/21 budget in the amount of \$978,396.</p> <p>During the Delta Conveyance Finance Authority (DCFA) regularly scheduled January and February meetings, the DCFA adopted similar resolutions in both meetings to continue remote teleconference meetings pursuant to the Brown Act Section 54953(e) for meetings of the DCFA.</p> <p>Sites Reservoir</p> <p>Metropolitan staff continued to participate in the collaborative groups called for in the 2019 Biological Opinions for the State Water Project (SWP) and Central Valley Project, and in the 2020 Incidental Take Permit (ITP) for Long-Term Operation of the SWP, to address science needs and inform management and operation of the water projects. The Delta Coordination Group is developing science and monitoring plans for planned operations of the water projects and implementation of the summer-fall habitat actions in 2022. The technical workgroup charged with developing a Juvenile Production Estimate (JPE) for Spring-run Chinook salmon, a requirement of the ITP, is currently focused on developing performance metrics to evaluate objectives related to development of a JPE. Work also continued on the development of a monitoring program for steelhead populations in the San Joaquin River basin, a requirement of the Biological Opinion. The technical workgroup developed specific hypotheses to guide monitoring and submitted a draft outline of the monitoring plan to state and federal agencies for review.</p> <p>Metropolitan staff participated in the Interagency Ecological Program's Winter-Run Chinook Salmon Project Work Team (Winter-Run PWT). On January 14, the Winter-Run PWT submitted a letter to the National Marine Fisheries Service and the California Department of Fish and Wildlife formally transmitting the forecast for the number of juvenile winter-run Chinook salmon that are expected to enter the Delta, which in turn sets the allowable take at the water project facilities.</p>
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Delta Conveyance Activities and State Water Project Issues - continued	<p>Science Activities</p> <p>In February, a scientific paper published in the Environmental DNA journal titled “The artemis package for environmental DNA analysis in R” reported on results from a study to develop a statistical programming package named artemis to evaluate environmental DNA (eDNA) data from environmental field samples. The eDNA surveys provide an indirect, noninvasive, affordable and rapid way to detect organisms in the environment. The study was funded through a collaboration of Metropolitan, the State Water Contractors, and U.S. Bureau of Reclamation. The artemis tool represents the first open source models developed specifically to design eDNA detection surveys and analyze data from eDNA surveys in a tidal system like the San Francisco Bay-Delta Estuary. This publication will support wider acceptance for the use of eDNA monitoring by regulatory agencies. The artemis model is already being applied locally and nationwide for a variety of projects including restoration, invasive species monitoring, and listed species monitoring. Use of eDNA surveys could potentially prove beneficial to improve how water project operations are managed efficiently for both environmental protection and water supply reliability.</p> <p>Metropolitan staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team (CAMT). In January and February, activity focused on the two projects addressing improvement of Delta smelt and salmon. The technical working group for the Delta Smelt Structured Decision Making project is currently refining portfolios of management actions to benefit Delta smelt and is planning the analysis of the portfolios. The CSAMP Policy Group and CAMT were briefed on the portfolios and provided input. The portfolios of management actions will be evaluated using a combination of quantitative life-cycle models and expert judgement to characterize predicted Delta smelt outcomes. The costs and benefits of management approaches will be evaluated as well once the management approaches are refined. CAMT discussions in February also focused on the CAMT monitoring assessment effort and scoping the next phase to assess and document the objectives of CSAMP members with respect to monitoring.</p> <p>Metropolitan staff continued collaboration with non-government environmental organizations and public water agencies on the CSAMP Salmon Recovery Initiative. CAMT and the CSAMP Policy Group received briefings in January from the science team leading the project. The briefings addressed the objectives and metrics developed in Phase 1 to help define salmon recovery in quantitative terms and the progress for scheduling outreach to stakeholders. In February, the project team started presentations to stakeholders throughout the Central Valley watershed, including tribes, to make them aware of this effort and ask for their participation in Phase 2 of the process. Phase 2 is focused on engaging with stakeholders to solicit actions planned for salmon recovery, and in phase 3 the actions will be analyzed to help determine which actions may best achieve salmonid recovery while meeting other objectives (e.g. cost, water supply, agricultural production, etc.).</p> <p>In January, the State Water Contractors (SWC) released their Science Plan (State-Water-Contractors-SciencePlan_FINAL.pdf (swc.org)). The purpose of the SWC</p>
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Delta Conveyance Activities and State Water Project Issues - continued	<p>Science Plan is to communicate in a transparent manner SWC-funded science efforts that are part of an overall program. The SWC Science Plan lays out the goals and objectives, management questions, and research priorities and processes to ensure that funded science projects are reflective of best available science. Metropolitan staff provided input to the SWC Science Plan and continue to work with the SWC staff to develop partnerships on science projects.</p> <p>Metropolitan staff continued work on the Delta smelt and Native Species Preservation Project, which will utilize Delta island properties currently owned by Metropolitan to support Delta smelt supplementation efforts. Monitoring studies initiated in October 2021 will characterize water quality and biological factors in the existing impoundments on the Delta islands properties. In December, additional funding was approved by the SWC to continue the monitoring studies in spring and summer of 2022. Metropolitan staff is continuing to meet with state and federal agencies, non-government organizations, and university researchers to develop partnerships and scope out the next phases of the project.</p> <p>Delta Levee Stability and Monitoring Efforts</p> <p>The Delta Levee Stability and Monitoring efforts provide support to the Delta Islands Instrumentation and Monitoring Assessment and Bouldin Island Pilot Project to ensure integrity of freshwater conveyance and Delta Island levees, and to support real time levees monitoring of Delta Islands and broader Delta regional levees. Metropolitan's consultant installed remote erosion sensors on Bouldin Island's westside levee. Additional reception antenna extenders were also installed on previously installed levee sensor probes that measure changes in soil moisture and pressures in zones above high-water tides. Real time monitoring is collecting data that will be analyzed as a part of the evaluation process. The overall progress for the draft levee stability assessment report will be available in the summer of 2022.</p>
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EMERGENCY PREPAREDNESS

COVID-19 (Corona Virus) Coordination	<ul style="list-style-type: none"> Orange County continues to see a positive decline on COVID 19 cases and hospitalizations. Compared to last month, all averages have dropped between 50- 70%. The seven-day average COVID-19 case rate in Orange County was 3.2 per 100,000 people, the positivity rate was 1.6 percent and hospitalizations were at 95, with ICU admissions at 20. Unvaccinated individuals consist of 86% of the hospitalization and ICU cases. To compare, here are the numbers from last month on 3/7/2022, the seven-day average COVID-19 case rate in Orange County was 9.8 per 100,000 people, the positivity rate was 4 percent and hospitalizations were at 179, with ICU admissions at 37. On 3/11, the County Board of Supervisors appointed Dr. Regina Chinsio-Kwong as the new County Health Officer; relieving Dr. Chau of the double duty he has been performing for the past two years. Dr. Regina Chinsio-Kwong has been serving as the Deputy Health Officer over the past year. Dr. Chau remains the Director of the OC Health Care Agency. WEROC will continue to work with both in the future.
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COVID-19 (Corona Virus) Coordination - continued	<ul style="list-style-type: none"> • On 3/15, State Senate Committee on Governmental Organization voted down the resolution to end the State of Emergency 8-4. The State of Emergency will remain in place with no termination date at this time. • There are 63 Executive Orders provisions relating to the COVID-19 state of emergency: <ul style="list-style-type: none"> ○ 18 of those are scheduled to be terminated at the end of this month on the 31st ○ Another 15 at the end of June ○ Approximately 30 Executive Order provisions will remain open for maintaining government flexibility with testing, vaccination and hospital surge capacity. • On 3/24, the County of Orange Health Officer Orders were revised. The order is specific to the general public following the recommendation for CDPH at the state level. The order also continues to point employers to follow the regulations of the CalOSHA COVID Emergency Temporary Standards (ETS). This update was expected in timing as the school guidance changed at the state level. • On 3/21, Vicki prepared a document going over each of the Executive Orders set to expire at the end of March and June. The document has been shared with the member agencies. None of the executive orders have specific impacts to the water and wastewater agencies. • Questions WEROC has received over the course of the past month have been related to two areas: • Isolation/Testing and the ability to return to work if you have a COVID like symptom, you test negative, can you return to work at that time or have to test at day 5. <ul style="list-style-type: none"> ○ Vicki has provided clarification language to these agencies with information from the state CDPH order, ETS and County Health Officer order. ○ AB 361 protocols in relation to the Governor State of Emergency and the recommendation language for social distancing. Vicki provided information regarding the unknown end day of the state of emergency. Vicki is still monitoring and asking for updates pertaining to when this may occur. For the time being, the State of Emergency remains in effect. Additionally, many have asked about the social distancing recommendation/requirement from AB 361. Within the County Health Officer Order there remains language under vulnerable populations stating the following. Agencies were advised to speak with their legal counsel, as the County Health Officer Order is written this is important, but not as a requirement. <p><i>For Vulnerable Populations. In general, the older a person is, the more health conditions a person has, and the more severe the conditions, the more important it is to take preventive measures for COVID-19 such as getting vaccinated, including boosters, social distancing and wearing a mask when around people who don't live in the same household, and practicing hand hygiene.</i></p>
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March Incidents/Events (Non-COVID)	<p>**The following events in which WEROC provided information and/or coordination or response to a member agency, County/OA EOC or Incident Command Post.</p> <ul style="list-style-type: none"> • 3/28/22 Rain Event/Flash Flood Watch/Bond Fire Debris Flow Decision Maker/Coordination Call with County. Vicki can provide an additional oral update to WEROC activities specific to the event as required/requested.
Coordination /Participation With Member Agencies And Outside Agencies Meetings Outside Of Programs Areas	<ul style="list-style-type: none"> • On 3/3, the WEROC team attended the OCEMO meeting, which had it regular subcommittee report outs. Additionally, there were three presentations covering the changes to the WebEOC Incident management software system was made by the OC Sheriff Emergency Management Personnel, upcoming planning efforts related to the Power Outage Annex was made, and a presentation on the US Postal Service Emergency Operations. • On 3/3, Vicki attended the OCEMO Exercise Design Meeting. This group is focused on the Public Information Seminar being offered in March. The planning team is working on the final portions of the speakers, and logistics for this training session for the Operational Area partners • On 3/8, Daniel hosted and conducted in partnership with the OCIAC the Quarterly Cyber Security Working Group Meeting. The group received two great presentations. First is from IRWD's Joe Lam who gave an excellent presentation on a commercial off-the-shelf solution to security concerns of air-gapped networks followed by a presentation by DHS CISA and the OCIAC. • On 3/9, Daniel attended the UASI Threat and Hazard Risk Assessment THIRA kickoff meeting. This is a joint planning effort which is reported to the state and federal government as part of our readiness and capabilities here within Orange County. This process is tied to grant funding via Homeland Security. • On 3/10, Vicki attended the CalWarn Board Meeting. The meeting focused on discussion regarding the organization and changes to the website platform and using asana for more project management. Other discussions focused the leadership elections and the CalWarn Active member guidelines. • On 3/16, Daniel attended the Operational Area planning meeting focused on the Disease Outbreak Response Annex revision. This was the initial kickoff meeting which covered the process and the table of contents for the process moving forward. Lessons learned from the COVID-19 response will be incorporated into the revision process. • On 3/17, Daniel attended the planning meeting with the Orange County Intelligence Assessment Center (OCIAC) for a Cyber Security Tabletop Exercise. WEROC will be participating with the OCIAC during this process in preparation for a TTX to be held with the WEROC member agencies in the fall of 2022. • On 3/18, Vicki attended the California Emergency Services Association Legislative committee meeting. This group focuses on the legislation specific to the emergency management profession. One bill in particular us AB1721 which has specific funding association to the emergency management programs within the state of California. • On 3/21, Daniel and Janine led the WEROC Member Agency Quarterly Meeting. Agenda covered WEROC Goals and Objectives with member

Coordination /Participation With Member Agencies And Outside Agencies Meetings Outside Of Programs Areas – continued	<p>agencies for the coming fiscal year including planning, training and exercise efforts.</p> <ul style="list-style-type: none"> • On 3/23, Janine attended the Operational Area Technology Subcommittee meeting discussing changes to AlertOC and WebEOC. This is a standing monthly meeting. • On 3/23, Daniel participated in the Statewide Tsunami/OA Communications Exercise. • On 3/24, Vicki participated on the National Weather Service briefing on the incoming rainstorm on 3/28. • On 3/28, Vicki participated in the Emergency Management Mutual Aid Quarterly Meeting. The group discussed the outcomes from the Standardized Emergency Management System (SEMS) Advisory Board meeting and next steps on continuing to roll out the plan and training. • On 3/29, WEROC attended the Operational Area Seminar focused on the Alert & Warning. Speakers from different regions touched on recently lessons learned along with a presentation on reaching those with access and functional needs.
Planning And Program Efforts	<p>Cyber Security</p> <ul style="list-style-type: none"> • Daniel continues to send out important information to the Cyber Security Distribution Group as received from DHS or the OCIAC. There has been a lot of cyber activity and notifications received over the course of the past month. There has not been any events reported by any agencies • On 3/8, Daniel held the WEROC Cybersecurity Working Group meeting. Presentations were made by the OCIAC and IRWD. The group discussed lessons learned and building out the regional cyber plan. <p>WEROC Budget and Funding Process</p> <ul style="list-style-type: none"> • The budget, goals and objectives has been presented to the MWDOC Member Agencies at the Managers Meetings and WEROC Quarterly meeting. There was no comments or questions received. Additionally, at the MET managers meetings who are also WEROC funding agencies; there have been no comments or questions received from that group regarding the presented budget. <p>WEROC Emergency Operations Center Project/Funding</p> <ul style="list-style-type: none"> • 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. • Both Government Affairs and WEROC have jointly been seeking funding from other sources including <ul style="list-style-type: none"> ○ Federal - FY 2023 Homeland Security Appropriations Bill ○ State – Hazard Mitigation Grant Program ○ State – Department of Water Resources ○ County – American Recovery Act Funding • Phase 1 Design – Continues and the 30% design report has been received. See 3/28/22 P&O Committee Item #5 for Staff Report and PPT presentation.

Planning And Program Efforts – continued	<ul style="list-style-type: none"> Both Engineering and WEROC are working on the Hazard Mitigation Grant Application which is due to the State on April 8th. <p>WEROC Quarterly Meeting</p> <ul style="list-style-type: none"> On 3/22, the first in person WEROC Quarterly meeting since COVID 19 occurred. The agenda consisted of the following topics which prompted detailed conversations with the agencies. WEROC Budget & 2021 Accomplishments Goals & Objectives (FY2022 End & FY2023): <ul style="list-style-type: none"> Planning & Program Initiatives <ul style="list-style-type: none"> Cyber Logistics GIS Dashboard Water Commodities Tsunami AlertOC WebEOC WEROC EOC WEROC Contacts Safety Center Training and Exercises <ul style="list-style-type: none"> ICS/EOC Training Classes Training Assessment (NIMS/NQS) Logistics TTX Monthly Tests Cyber TTX Fall Functional Exercise Current OA Planning Initiatives (County EMD Driven) <ul style="list-style-type: none"> *WEROC represents all members' agencies interests, and will report out actions and activities. <ul style="list-style-type: none"> THIRA DORA Drought Task Force Power Outage Annex
Training And Exercises	<ul style="list-style-type: none"> On 3/17, AlertOC training for the participating special districts was conducted by Janine and the County. On 3/23, Daniel participated on the Annual Statewide Tsunami Drill with the County. On 3/24, 800 Mhz training was conducted for the member agencies by Daniel.

Training And Exercises - continued	<ul style="list-style-type: none"> • Additionally, WEROC will be hosting a Logistics Workshop/ TTX Exercise on May 10. As of the time of this report, 77 people have registered and thank you to MNWD who is allowing WEROC to use their new meeting space for the event.
<h2 style="text-align: center;">WATER USE EFFICIENCY</h2>	
Orange County Water Loss Control Workgroup Meeting	<p>On March 8, Joe Berg and Rachel Davis hosted the Orange County Water Loss Control Workgroup meeting via Zoom. Approximately 38 agency staff attended this meeting. Items on the agenda included:</p> <ul style="list-style-type: none"> • Water Loss Updates <ul style="list-style-type: none"> ○ Water Loss Standard Formal Rulemaking ○ Validation Certificate Update • Team Building Module: Authorized Consumption • Water Loss Learning Module: Four Years of CA Water Loss – Examining Validated Audit Submissions • Discussion and Questions <p>The next workgroup meeting is scheduled for May 10.</p>
California Water Efficiency Partnership (CalWEP) Spring Plenary Meeting	<p>On March 9, Joe, Beth Fahl, Rachel Waite, Andrea Antony-Morr, and Sam Fetter attended the CalWEP Spring Plenary meeting via Zoom. Items on the agenda included:</p> <ul style="list-style-type: none"> • Welcome and Opening Remarks • Host Presentation • What's Happening at CalWEP • What's New at the Alliance • New Member Spotlight: Radian Developers • Breaking Down and Preparing for New CII Landscape Water Use Efficiency Regulations • Wrap Up and Closing <p>The Fall Plenary Meeting is scheduled for September 8.</p>

Conservation Framework Discussion with Department of Water Resources (DWR)	<p>On March 10, Joe, Rachel W., and staff from Santa Margarita Water District met with DWR Water Use Efficiency Branch staff to discuss the Conservation Framework standards. Discussion topics included:</p> <ul style="list-style-type: none"> • Integrated Regional Watershed Management (IRWM) funding for water use efficiency projects to support Framework Compliance • Commercial, Institutional, and Industrial (CII) Performance Standards Proposal <ul style="list-style-type: none"> ○ MWDOC and Metropolitan's ongoing water efficiency efforts ○ Proposal clarity ○ Consideration of regional implementation • Proposed 2030 outdoor standard (0.65 evapotranspiration factor) • DWR's timeline for submitting recommendations to Water Board <p>No follow-up meeting is scheduled; staff will continue to engage DWR on this topic.</p>
Orange County Data Acquisition Partnership (OCDAP)	<p>On March 14, Rachel W. 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:</p> <ul style="list-style-type: none"> • Status of RFP for Cycle 2 • Group Discussion on Cycle 2 Agreements • OCDAP Data Sharing Efforts and Projects Underway • OC GIS User Group <p>The next meeting is scheduled for April 12.</p>
High School Student Water Conservation Project Discussion	<p>On March 16, Beth and Rachel W. met with a high school student to discuss her water conservation school project. Beth and Rachel provided information on water use efficiency, water savings metrics, and provided support, guidance, and feedback on her project's proposal.</p>
Metropolitan's Water Use Efficiency Workgroup	<p>On March 17 Joe, Beth, Rachel W., Andrea, Rachel D., and Sam attended Metropolitan's Water Use Efficiency Workgroup meeting. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Marketing Campaign Update • External Affairs Update • March Board Items <ul style="list-style-type: none"> ○ Conservation Update • MWD Updates <ul style="list-style-type: none"> ○ New Public Agency Turf Replacement Program Update ○ Flow Monitor Device Pilot

Metropolitan's Water Use Efficiency Workgroup -continued	<ul style="list-style-type: none"> ○ California Friendly Landscape Classes ● Commercial Landscape Parcels (Justin Finch, Moulton Niguel Water District) ● Water Use Objective Model (Nate Adams, Santa Margarita Water District) ● SoCal Gas Residential Direct Install Program Updates (Sheila Williamson, SCG) ● Member Agency Roundtable <p>The next meeting is scheduled for April 21.</p>
Project Agreement (PA) 22 Advisory Workgroup Meeting	<p>On March 21, Joe and Rachel W. joined the PA 22 Advisory Workgroup meeting hosted by SAWPA and attended by SAWPA member agencies and MWDOC. Topics on the agenda included:</p> <ul style="list-style-type: none"> ● Prop 1 Enhanced Decision Support Tool <ul style="list-style-type: none"> ○ Updates on US Bureau of Reclamation Imagery Analysis ○ Next Steps ● SARCCUP Water Budget Assistance Update <ul style="list-style-type: none"> ○ Retail Partner Status Updates ○ Remaining Retailers to Recruit <p>The next PA 22 Committee Meeting is scheduled for June 14, and the next PA 22 Advisory Workgroup meeting is scheduled for April 18.</p>
Prop 1 Funding Discussion with DWR Financial and Water Use Efficiency Branch	<p>On March 22, Joe and Rachel W., along with staff from SAWPA and the County of Orange (representing the Santa Ana and South Orange County Watershed Management Areas), met with staff from the Financial and Water Use Efficiency Branches of DWR. Discussion focused on how water use efficiency projects fit within the Prop 1 Round 2 call for projects, and how this funding may support Conservation Framework compliance.</p> <p>There is no follow up meeting scheduled; staff will stay engaged on this topic.</p>
CalWEP Program Committee	<p>On March 23, Beth, Andrea, and Rachel W attended the California Water Efficiency Partnership (CalWEP) Program Committee. Rachel W. presented an overview of the Dedicated Irrigation Meter Area Measurements Project MWDOC is leading to assist Orange County Urban Water suppliers with Conservation Framework compliance. Topics on the agenda included:</p> <ul style="list-style-type: none"> ● CalWEP Updates <ul style="list-style-type: none"> ○ Peer to Peer 2022 ○ Leak Detection & Repair Cert. Training ○ QWEL ○ Direct Distribution ● Task Force Updates <ul style="list-style-type: none"> ○ Landscape

CalWEP Program Committee - continued	<ul style="list-style-type: none"> ○ AMI ○ CII ○ Education • CalWEP Implementation Guide Update • CII Programs <ul style="list-style-type: none"> ○ CalWEP Listening Sessions Findings & Spring Plenary Recap ○ MWDOC CII DIM Measurement <p>The next meeting is scheduled for July 27.</p>
Dedicated Irrigation Meters (DIM) Area Measurements: Seal Beach and Anaheim	<p>On March 23, Rachel W. met with staff from City of Seal Beach and project consultant, NV5, for a DIM Area Measurements Project kick-off meeting. The DIM Area Measurements Project provides Orange County retail water agencies access to MWDOC's consultant, NV5, to obtain DIM landscape area measurements and classifications as required by SB606 and AB1668 (Conservation Framework). Rachel, NV5, and retailer staff discussed the Project, workflow, and next steps.</p> <p>On April 6, Rachel W. met with staff from City of Anaheim and NV5 to further discuss details of the DIM Project, establish workflows, and prepare next steps.</p> <p>Kick-off meetings will be scheduled with each participating retailer, and follow-up meetings will be scheduled as needed.</p>
Landscape Program Advisory Meeting	<p>On March 31, Joe, Rachel W., Sam, and Andrea hosted a Landscape PAC meeting with staff from Santa Margarita Water District, Moulton Nigel Water District, and Irvine Ranch Water District to discuss potential improvements to MWDOC's Turf Removal and Spray to Drip Rebate programs. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Follow-up on Action Items • Additional Turf Removal and Spray to Drip Program Suggestions <ul style="list-style-type: none"> ○ Update to Invoice Audit process ○ Title of Programs ○ New Hunter Drip Emitter Products • Other Agenda Items <ul style="list-style-type: none"> ○ Sprinkler Repair Database • Next Steps <p>The Landscape PAC does not have any future meetings scheduled, as the goal of identifying and implementing changes and improvements to the programs has been reached, but will reconvene if and when needed.</p>

Orange County Water Use Efficiency Workgroup	<p>On April 7, Joe, Steve Hedges, Beth, Rachel D., Andrea, Sam, and Rachel W. hosted the Orange County Water Use Efficiency Workgroup meeting. Items on the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates • Agency Problem Solving Roundtable • End Use Study Update (Flume) • Water Supply Update • Governor's Executive Order N-7-22 • Water Use Efficiency Updates <ul style="list-style-type: none"> ○ Grant Funding Update ○ Sprinkler Repair Pilot Program • Metropolitan Update <ul style="list-style-type: none"> ○ Flow Monitoring Program Update ○ California Friendly Landscape Training Program • CalWEP Update <p>The next meeting will be held on May 5.</p>
PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Created and distributed the Wyland National Mayor's Challenge Media/Tool Kit • Sent Poster Contest Grand Prize voting to member agencies, MWDOC, and Board • Coordinated the artists and delivery and pick up of "Stella's" with local artists, member agencies, Orange County Department of Education, and the Wyland Foundation • Coordinated a Ricky Raindrop appearance with South Coast District at RH Dana Point Elementary School's Jog-A-Thon • Coordinated speakers bureau appearances for the City of Brea and Mesa Water District • Coordinated Westminster Pocket Park ceremonial groundbreaking event with the City of Westminster and the Wyland Foundation <p>Government Affairs Staff:</p> <ul style="list-style-type: none"> • Distributed the monthly Grants Tracking and Acquisition report to member agencies • Provided an update on the enrollment period for the Low Income Household Water Assistance Program (LIHWAP) to the member agency managers meeting • Circulated additional information on the LIHWAP to member agencies • Along with Harvey De La Torre, attended a meeting with SMWD Director Chuck Gibson and Metropolitan staff member Stephen Arakawa to discuss issues in the Delta

Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> Coordinated the delivery of Posters for the annual Water Awareness Poster Contest Announced 40 poster contest winners to teachers, parents and participating agencies Met with Streams of Hope (SoH) partners the Wyland Foundation, Orange County Conservation Corps, and Orange County's Adopt a Channel program to discuss SoH's progress and next steps <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> Participated in the OCBC Infrastructure Committee meeting Attended the ACC-OC Energy, Environment and Water Committee meeting Attended the ACC-OC Legislative and Regulatory Committee meeting Solicited letters of support for an upcoming Congressionally Directed Spending request for the WEROC EOC via Senators Feinstein and Padilla's offices
Education	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> Participated in the quarterly California Environmental Literacy Initiative Leadership Council meeting Participated in the bi-weekly California Environmental Literacy Initiative (CAELI) Green Career Innovation Hub Participated in the California Department of Water Resources Water Education Committee Meeting Finalized CHOICE School Program commitment numbers with participating Orange County water providers Speakers Bureau: Gave a presentation to 45 educators attending a California Environmental Education Foundation Teacher's Institute training Prepared the quarterly school report measuring outreach on education programs
Media Relations	<p>Public Affairs Staff</p> <ul style="list-style-type: none"> Prepared and distributed a joint press release with the City of Westminster and the Wyland Foundation, announcing the April 1, Pocket Park ceremonial groundbreaking event Prepared and distributed content for social media Prepared OC Register California Water Insert Prepared and submitted three articles to ACWA: <ul style="list-style-type: none"> https://www.acwa.com/news/mwdoc-and-wyland-partner-on-national-mayors-challenge/ https://www.acwa.com/news/oc-streams-of-hope-partners-sign-on-the-first-wave-of-participating-water-partners/ https://www.acwa.com/news/groundbreaking-at-coronet-park-celebrates-westminsters-commitment-to-using-water-wisely/ Prepared April ECurrents materials

Special Projects	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in a Supervisors Academy training presented by The Centre for Organization Effectiveness • Participated in several preliminary OC Water Summit Planning Meetings • Met with the Metropolitan Water District of Southern California (Metropolitan) Public Information group regarding drought outreach • Met with the Centers of Excellence, BAYWORK, Jewish Vocational Service, Cuyamaca College, and Metropolitan to discuss next steps for the statewide water and wastewater workforce needs assessment project • Met with Metropolitan and California Municipal Utilities Association to discuss workforce development grant and partnership opportunities <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Completed the CSUF course – Political and Social Intelligence • Staffed the WACO Planning meeting and coordinated future event speakers for April and May • Completed the CSUF course – Strategic Thinking and Decision Making • Coordinated and confirmed with Metropolitan staff on speakers for the May WACO meeting • Along with Tina Dubuque, drafted and distributed the ISDOC Quarterly Luncheon invitation for April 28
Legislative Affairs	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Attended the ACWA Legislative Symposium featuring keynote speaker Assembly Member Rebecca Bauer-Kahan, and panel discussions on Drought & Resilience and State Budget Funding for Infrastructure, Drought & Healthy Forests • Attended the CMUA Regulatory Committee meeting • Participated in the CMUA Legislative Committee meeting • Participated in the ACWA State Legislative Committee meeting • Participated in the Metropolitan monthly legislative meeting • Attended the OCBC Sacramento Advocacy trip featuring meetings with: Attorney General Rob Bonta, Senator Bob Hertzberg, State Legislative Analyst Gabriel Petek, Cal-EPA Undersecretary Serena McIlwain, Assembly Member Vice Fong, Senator Scott Weiner, Senator Scott Wilk, Governor's Office of Economic Development, and the Cal-Chamber. • Met with legislative staff from Senator Josh Newman's office and provided information and background on the WEROC EOC • Met with staff from Senator Tom Umberg's office to discuss legislative issues and the WEROC EOC • Attended a dinner hosted by OCBC with the Orange County legislative delegation • Met with legislative staff from Assembly Member Sharon Quirk-Silva's office to discuss legislation and the WEROC EOC • Attended the Southern California Water Coalition's Legislative Task Force meeting

Legislative Affairs - continued	<ul style="list-style-type: none">• Attended the ACWA Federal Affairs Committee meeting featuring John Watt's from Senator Dianne Feinstein's office who outlined her soon-to-be-introduced legislation, the STREAM Act• Contacted the local OC legislative delegation offices to request certificates of recognition for the MWDOC Poster Contest winners
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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, April 21, 2022 from **10:30 am to 12:00 pm.**

DRAFT AGENDA

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

Page #/Link

2. General Meeting Information/Discussion Items:

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

2-2. MWD OC Facilitated Discussions Presentation & Report ([Link](#))

2-3. MWD OC FY2022-23 (Final) Budget ([Link](#))

2-4. MWD OC Reserve Discussion

2-5. Annual Water Loss Control Technical Assistance & Shared Services ([Link](#))

2-6. Metropolitan Updates

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

b. Drought & SWP Issues ([Link](#))

2-7. Water Use Efficiency Standards Economic Analysis ([Link](#))

3. Announcements:

3-1. Annual Water Supply Workshops..... May 2 & 11, 2022

3-2. CDR Service Area Boundary - Service Connection Address Request

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](#))

4-5. Water Supply Update ([Link](#))

5. Next meeting will tentatively be held May 19, 2022.

Street Address:
18700 Ward Street
Fountain Valley, California 92708

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

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

Megan Yoo Schneider, P.E.
President

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Vice President

Al Nederhood
Director

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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



March 31, 2022

2:30 – 3:00 p.m.

Meeting Held Remotely

[Click Here to Join Webinar](#)

Call-in: (415) 655-0001 (Access Code: 2451 926 1197)

Event Password: socwma

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

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. 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.

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.

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: 2451 926 1197)**

If you have any questions, please contact the designated SOCWMA Meeting Administrator at 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 prior to the meeting. If submitting comments via mail, please ensure your comments are received prior to 2:30 PM on March 31, 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.
- 4) If the Proclamation of a State of Emergency expires on March 31, 2022, cancel and remove from the 2022 meeting calendar the April 28, May 26, June 23, and July 21 Committee meetings, holding the next full quarterly meeting on August 4, 2022.

ITEM #3 PUBLIC COMMENTS (NON-AGENDA ITEMS)

ITEM # 4 APPROVAL OF MINUTES

Recommended Action: Approve the minutes of the February 24 and March 3, 2022 meetings.

ADJOURNMENT – NEXT MEETING DATE: APRIL 28, 2022 (AB 361)



AGENDA STAFF REPORTS

Regular Business

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 law¹, [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 Act² 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.

Based on this language, the Committee will need to make the above-listed findings, and every 30 days thereafter as long as the state of emergency remains active or social distancing measures are imposed or recommended. It is noted that the [state of emergency issued in March 2020](#) by Governor Newsom expires on March 31, 2022 pending any further action to extend beyond this date. Additionally, local and state requirements or recommendations for social distancing are no longer in place. Unless extended beyond March 31, 2022 or unless and until social distancing recommendations are re-established, AB 361 no longer

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

² Effective until January 1, 2024

applies to the South OC IRWM Executive Committee. Staff recommend removing from the calendar all additional AB 361 monthly meetings – April 28, May 26, June 23, and July 21, 2022, pending expiration of the State of Emergency.

In order to provide for teleconferencing during the March 31, 2022 Committee meeting, and to facilitate future teleconferenced meetings pending extension of the State of Emergency, recommended actions are included on this item to make appropriate findings. All Brown Act requirements to provide adequate meeting notice and providing for members of the public to access and provide public comment at each meeting will be met. Staff recommend that the Committee discuss and make findings, as appropriate, to allow teleconferencing to continue.

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.
- 4) If the Proclamation of a State of Emergency expires on March 31, 2022, cancel, and remove from the 2022 meeting calendar the April 28, May 26, June 23, and July 21 Committee meetings, holding the next full quarterly meeting on August 4, 2022.

ITEM # 3. 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 # 4. APPROVAL OF MINUTES

MINUTES OF FEBRUARY 24, 2022 FOR APPROVAL

Date and Location: February 24, 2022, 2:35 – 2:45 p.m.; meeting held remotely

****Audio recording for the February 24, 2022 meeting is available [here](#). Recording times noted in the minutes correspond to that item on the recording. ****

ITEM # 1 Roll Call/Self-Introductions (Recording: 00:00:21)

Tiffany Ackley, City of Aliso Viejo	Kay Havens, Vice Chair, El Toro Water District
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Debbie Neev, Laguna Beach County Water District	Mark Tettermer for Karen McLaughlin, Irvine Ranch Water District
Saundra Jacobs, Santa Margarita Water District	Dave Wheeler, City of Laguna Hills
Kelly Jennings, City of Laguna Niguel	Bill Moorhead, Moulton Niguel Water District
Norris Brandt for Derek Reeve, San Juan Basin Authority	Megan Yoo Schneider, Municipal Water District of Orange County
Doug Erdman, South Coast Water District	Ed Mandich, Trabuco Canyon Water District
Betty Burnett, South OC Wastewater Authority	Brian Goodell, City of Mission Viejo

ITEM # 2 Brown Act Teleconferencing AB 361 Findings (Recording: 00:02:54)

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

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 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: Betty Burnett / Debbie Neev

Roll Call:

<i>Betty Burnett: Yes</i>	<i>Brian Goodell: Yes</i>	<i>Debbie Neev: Yes</i>	<i>Doug Erdman: Yes</i>
<i>Dave Wheeler: Yes</i>	<i>Ed Mandich: Yes</i>	<i>Kay Havens: Yes</i>	<i>Kelly Jennings: Yes</i>
<i>Mark Tettermer: Yes</i>	<i>Dave Wheeler: Yes</i>	<i>Megan Yoo Schneider: Yes</i>	<i>Norris Brandt: Yes</i>
<i>Saundra Jacobs: Yes</i>	<i>Tiffany Ackley: Yes</i>	<i>Bill Moorhead: Yes</i>	

Outcome: Motion Passed

ITEM # 3 Public Comments (Non-Agenda Items) (Recording: 00:04:35)

There were no public comments on non-agenda items.

ITEM # 4 Approval of Minutes (Recording: 00:04:48)



The minutes of the December 30, 2021 meeting were presented to the Executive Committee for approval.

Recommended Action: Approve the minutes of the December 30, 2021 meeting.

Motion: Approve minutes of the December 30, 2021 meeting

First/Second: Sandra Jacobs/Bill Moorhead

Roll Call:

Betty Burnett: Yes	Brian Goodell: Yes	Debbie Neev: Yes	Doug Erdman: Yes
Dave Wheeler: Yes	Ed Mandich: Yes	Kay Havens: Yes	Kelly Jennings: Yes
Mark Tettemer: Yes	Dave Wheeler: Yes	Megan Yoo Schneider: Yes	Norris Brandt
Sandra Jacobs	Tiffany Ackley	Bill Moorhead: Yes	

ITEM # 5 Approval of Minutes (Recording: 00:06:37)

The minutes of the January 27, 2022 meeting were presented to the Executive Committee for approval.

Recommended Action: Approve the minutes of the January 27, 2022 meeting.

Motion: Approve minutes of the January 27, 2022 meeting

First/Second: Sandra Jacobs/Kelly Jennings

Roll Call:

Betty Burnett: Yes	Brian Goodell: Yes	Debbie Neev: Yes	Doug Erdman: Yes
Dave Wheeler: Yes	Ed Mandich: Yes	Kay Havens: Yes	Kelly Jennings: Yes
Mark Tettemer: Yes	Dave Wheeler: Abstain	Megan Yoo Schneider: Abstain	Norris Brandt: Yes
Sandra Jacobs: Yes	Tiffany Ackley: Yes	Bill Moorhead: Yes	

Outcome: Approved

ITEM #7 Adjournment (Recording: 00:07:56) – Next meeting March 3, 2022

END MEETING MINUTES OF FEBRUARY 24, 2022

MINUTES OF MARCH 3, 2022 FOR APPROVAL

Date and Location: March 3, 2022, 2:30 – 4:30 p.m.; meeting held remotely

****Audio recording for the March 3, 2022 meeting is available [here](#). Recording times noted in the minutes correspond to that item on the recording. ****

ITEM # 1 Roll Call/Self-Introductions (Recording: 00:02:36)

Kay Havens, Vice-Chair, El Toro Water District	Debbie Neev, Laguna Beach County Water District
Bill Moorhead, Moulton Niguel Water District	Sandra Jacobs, Santa Margarita Water District
Charles Busslinger for Megan Yoo Schneider, Municipal Water District of OC	Brendan Dugan for Brad McGirr, City of Rancho Santa Margarita



Lisa Zawaski for Mike Frost, City of Dana Point	Kevin Onuma for Lisa Bartlett, County of Orange
Karen McLaughlin, Irvine Ranch Water District	Norris Brandt, San Juan Basin Authority
Dave Wheeler, City of Laguna Hills	Doug Erdman, South Coast Water District
Carol Moore, City of Laguna Woods	Betty Burnett, South OC Wastewater Authority
Ed Mandich, Trabuco Canyon Water District	

ITEM # 2 Brown Act Teleconference AB 361 Findings (Recording: 00:04:40)

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

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:
 - c. The South Orange County Watershed Management Area Executive Committee has reconsidered the state of emergency; and,
 - d. The state of emergency continues to directly impact the ability of the members to meet safely in person 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: Sandra Jacobs/Betty Burnett

Roll Call:

<i>Betty Burnett: Yes</i>	<i>Brendan Dugan: Yes</i>	<i>Carol Moore: Yes</i>	<i>Charles Busslinger: Yes</i>
<i>Debbie Neev: Yes</i>	<i>Doug Erdman: Yes</i>	<i>Ed Mandich: Yes</i>	<i>Karen McLaughlin: Yes</i>
<i>Kay Havens: Yes</i>	<i>Kevin Onuma: Yes</i>	<i>Lisa Zawaski: Yes</i>	<i>Dave Wheeler: Yes</i>
<i>Norris Brandt: Yes</i>	<i>Sandra Jacobs: Yes</i>		

Outcome: Motion Passed

ITEM # 3 Public Comments (Non-Agenda Items) (Recording: 00:07:50)

There were no public comments on non-agenda items.

ITEM # 4 2022 Meeting Schedule Amendments (Recording: 00:08:29)

Ms. Jenna Voss recommended removing the May 5, 2022 meeting, holding the next quarterly meeting on August 4, 2022 to support focus on the Proposition 1 – Round 2 IRWM Implementation Grant process.



Additionally, Ms. Jenna Voss asked the Committee to consider either adding AB 361 meeting dates of April 28, May 26, June 23, and July 21, 2022 to facilitate future teleconferenced meeting through August 4th. If the Committee meets in person at the next quarterly meeting, additional meeting dates to comply with AB 361 would not be necessary; however, holding a meeting in person is dependent upon finding a new venue.

Committee Member Carol Moore, City of Laguna Woods, expressed concerns about choosing to meet in person for an August meeting and not having the option to teleconference if needed.

Committee Member Betty Burnett, South OC Wastewater Authority, asked if it's possible to have a special meeting to make findings before the August meeting. Committee Member Burnett and Ms. Jenna Voss stated that the current Emergency Declaration would expire on March 31, 2022. Ms. Jenna Voss stated that she had previously confirmed with County Council that AB 361 does not preclude having a special meeting, but that meeting would need to be in person.

Committee Member Dave Wheeler, City of Laguna Hills, asked why the Committee would meet in person to make AB 361 findings in order to facilitate teleconferenced meetings in the future. Ms. Jenna Voss confirmed that currently AB 361 states that once you discontinue teleconferencing, you must meet in person to reestablish a teleconferencing option.

Committee Member Saundra Jacobs, Santa Margarita Water District, asked if social distancing is why the Laguna Niguel venue is unable to accommodate 22 people on the dais. Ms. Jenna Voss clarified that there would be no option to physically distance at that location, as members would share microphones while some would need to sit in the audience. Committee Member Saundra Jacobs asked if County staff had access to a venue that would accommodate future in-person meetings. Ms. Jenna Voss replied that a venue was not secured for the August 4th meeting. Committee Member Dave Wheeler offered to ask the City of Laguna Hills to use their recreation center. Executive Officer Amanda Carr, County of Orange, offered to host meetings in the community room in the County's Administration North building near the Santa Ana civic center as a backup location.

Recommended Action:

- 1) Approve holding next full, quarterly Committee meeting August 4, 2022, to support staff focus on Proposition 1 – Round 2 IRWM Grant process.
- 2) Confirm meeting schedule for 2022, approving either:
 - a. Additional 2022 meeting dates of March 31, April 28, and May 26, June 23, and July 21, 2022, to review circumstances of the state of emergency and make findings to meet requirements of AB 361 to teleconference for future meetings, including the August 4, 2022, quarterly meeting; or,
 - b. Meeting in person for the next full quarterly meeting [August 4, 2022] with no additional dates to make AB 361 findings, pending confirmation of a meeting venue. Provide feedback to staff on potential meeting venues.

Motion: Approve holding next full, quarterly Committee meeting August 4, 2022, to support staff focus on Proposition 1 – Round 2 IRWM Grant process. Approve additional 2022 meeting dates of March 31, April 28, May 26, June 23, and July 21, 2022, for the purposes of reviewing circumstances of the state of emergency and making findings to meet requirements of AB 361 to teleconference for future meetings, including the August 4, 2022, quarterly meeting.

First/Second: Saundra Jacobs/Betty Burnett



Roll Call:

<i>Dave Wheeler: Yes</i>	<i>Betty Burnett: Yes</i>	<i>Brendan Dugan: Yes</i>	<i>Carol Moore: Yes</i>
<i>Charles Busslinger: Yes</i>	<i>Debbie Neev: Yes</i>	<i>Doug Erdman: Yes</i>	<i>Ed Mandich: Yes</i>
<i>Karen McLaughlin: Yes</i>	<i>Kay Havens: Yes</i>	<i>Kevin Onuma: Yes</i>	<i>Lisa Zawaski: Yes</i>
<i>Norris Brandt: Yes</i>	<i>Sandra Jacobs: Yes</i>	<i>Shaun Pelletier: Yes</i>	

Outcome: Motion Passed

ITEM # 5 Presentation: Proposition 1 – Round 2 IRWM Grant Process & Schedule (Recording: 00:33:57)

Jenna Voss & Andy McGuire, County of Orange

Ms. Jenna Voss provided an overview of the Integrated Regional Water Management (IRWM) Grant program. The South OC IRWM Plan establishes goals, objectives and strategies for project prioritization for regional funding through the grant program. Ms. Jenna Voss updated the Committee on the expected schedule and release of IRWM Grant funds as well as an overview of the grant application process. Mr. Andy McGuire, County of Orange, demonstrated how to submit or update a project on the IRWM Project List, view and download the current list of potential projects, and review and learn about completed projects.

Committee Member Sandra Jacobs asked if the project scoring mechanisms have changed. Ms. Voss explained that the scoring methodology has not changed since Proposition 1 – Round 1 (2019). Committee Member Sandra Jacobs asked Ms. Jenna Voss to keep the Committee informed on the grant process.

Recommended Action: Receive and file.

ITEM # 6 Discussion: Proposed Re-Allocations in the FY 2021-23 Cost-Share Budget for Proposition 1 – Round 2 IRWM Grant Support (Recording: 00:59:00)

Jenna Voss, County of Orange

Ms. Jenna Voss requested Committee approval to reallocate unspent grant application support funds from FY 2021-22 to FY 2022-23 Cost Share Budgets to support the Proposition 1 – Round 2 IRWM Grant application process. Budgets are approved on two-year cycles; the current budget was approved in May 2021. Reallocation of funds would best respond to modified grant application schedules anticipated from DWR; however, member agency contributions would not change.

Recommended Action: Approve re-allocation of unspent grant support funds from the FY 2021 – 22 to FY 2022 – 23 Cost Share Budget to support the Proposition 1 – Round 2 IRWM Grant application process.

Motion: Approve re-allocation of unspent grant support funds from the FY 2021 – 22 to FY 2022 – 23 Cost Share Budget to support the Proposition 1 – Round 2 IRWM Grant application process.

First/Second: Betty Burnett/Debbie Neev

Roll Call:

<i>Betty Burnett: Yes</i>	<i>Brendan Dugan: Yes</i>	<i>Charles Busslinger: Yes</i>	<i>Debbie Neev: Yes</i>
<i>Doug Erdman: Yes</i>	<i>Ed Mandich: Yes</i>	<i>Karen McLaughlin: Yes</i>	<i>Kay Havens: Yes</i>
<i>Kevin Onuma: Yes</i>	<i>Lisa Zawaski: Yes</i>	<i>Dave Wheeler: Yes</i>	<i>Shaun Pelletier: Yes</i>
<i>Bill Moorhead: Yes</i>	<i>Norris Brandt: Yes</i>		



Outcome: Motion Passed

ITEM # 7 Presentation: Update on Development of a Restoration Concept for Lower Aliso Creek (Recording: 01:03:21)
Jennifer Shook & Jenna Voss, County of Orange; Aaron Poresky & Jo Lewis, Geosyntec

Ms. Jenna Voss provided a brief background on the development of a restoration concept for Lower Aliso Creek. Ms. Jennifer Shook, Mitigation Program Manager for OC Public Works, provided an overview of the assessment of watershed characteristics, habitat considerations, reconnaissance level field assessments, restoration project planning tools, restoration priorities, and the basis for a conceptual design. The County's Mitigation Program has funded the restoration approach for Lower Aliso Creek to date, driving development of a mini regional curve and potential project concepts. Ms. Jennifer Shook emphasized that project concepts consider input from interested parties through the Aliso Creek Watershed Project Collaboration Group.

Mr. Aaron Poresky and Ms. Jo Lewis, Geosyntec, provided details of field reconnaissance for Lower Aliso Creek in January 2020 and December 2021 to characterize existing conditions and assess opportunities for restoration. Specifically, photos of the December 2021 stream walk illustrated efforts to document stream conditions, confirm reach delineation, and understand the potential opportunities for improvement. Mr. Aaron Poresky further provided an overview of the restoration project planning tools, priorities, and conceptual design for the Lower Aliso Creek based upon ground-truthed conditions.

Ms. Jennifer Shook noted the next steps, including identifying a series of priority reaches, applying conceptual restoration paradigms for each priority reach, and evaluating phasing options. Potential projects would consider interested party desired outcomes, funding program priorities, and phasing considerations.

Committee Member Saundra Jacobs asked for estimated funding needed to operate and maintain restored creek segments, if available, and whether the County of Orange anticipates any of the conceptual designs would be submitted for Proposition 1 – Round 2 IRWM Grant funding. Ms. Jennifer Shook clarified that operation and maintenance costs are not currently captured; however, similar restoration projects would provide a sense for ongoing costs. Ms. Jenna Voss stated that the project would be submitted for IRWM Grant funding if the concepts are advanced enough when the call for projects opens.

Recommended Action: Receive and file.

Executive Officer's Report (Recording: 01:57:05) – Amanda Carr, County of Orange

Executive Officer Amanda Carr, County of Orange, provided updates on items relevant to the South OC IRWM group.

Executive Committee Member Comments (01:59:16)

Committee Member Saundra Jacobs stated that she would be like to adjourn the meeting in honor of Richard Gardner.

Adjournment (Recording: 01:59:29) – Next meeting March 31, 2022.



END MEETING MINUTES OF MARCH 3, 2022

Recommended Action: Approve the minutes of the February 24 and March 3, 2022 meetings.

ADJOURNMENT

Next meeting date: April 28, 2022 (for AB 361 Compliance)



**LOCAL AGENCY FORMATION COMMISSION
OF ORANGE COUNTY****REGULAR MEETING AGENDA**

**Wednesday, April 13, 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 an off-agenda item(s) unless authorized by law.

6. CONSENT CALENDAR

- a.) **March 9, 2022 – Regular Commission Meeting Minutes**
The Commission will consider approval of the March 9, 2022 meeting minutes.
- b.) **Fiscal Year 2021-22 Quarterly Financial Report (Third Quarter)**
The Commission will receive the third quarter financial report for the Fiscal Year 2021-22.

7. PUBLIC HEARING

No public hearing items scheduled.

8. COMMISSION DISCUSSION AND ACTION

a.) Professional Consultant Services Agreement with Berkson Associates

The Commission will consider approval of a professional services agreement with Berkson Associates to prepare fiscal indicators for the Southwest and West MSR regions.

b.) First Amendment to Professional Consultant Services Agreement with Eide Bailly

The Commission will consider approval of an amendment to the professional services agreement with Eide Bailly for accountant consulting services.

c.) Legislative Report (April 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

No informational items and announcements.

12. CLOSED SESSION

No closed session items scheduled.

13. ADJOURNMENT OF REGULAR COMMISSION MEETING

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

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

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

2022 MEETING AND EVENTS CALENDAR

Approved February 9, 2022

2022



January						
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- OC LAFCO Regular Meeting (*begins at 8:15 a.m.*)
Location: Hall of Administration, Planning Commission Hearing Room, 10 Civic Center Plaza, Santa Ana, CA 92701.
- Strategic Planning Workshop (*8:00 a.m. to 2:30 p.m.*)
Location: 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, April 5, 2022

7:30 a.m.

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

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

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

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

Executive Committee

President

Hon. Mark Monin
El Toro Water District

1st Vice President

Hon. Arlene Schafer
Costa Mesa Sanitary District

2nd Vice President

Hon. Bob McVicker
*Municipal Water District
Orange County*

3rd Vice President

Hon. Brooke Jones
Yorba Linda Water District

Secretary

Hon. Greg Mills
Serrano Water District

Treasurer

Hon. Bill Green
South Coast Water District

Immediate Past President

Hon. Sandra Jacobs
Santa Margarita Water District

Staff Administration

Heather Baez

*Municipal Water District of Orange
County*

Tina Dubuque

*Municipal Water District of Orange
County*

Join Zoom Meeting

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

Dial by your location

669 900 9128 US (San Jose)

877 853 5247 US Toll-free

888 788 0099 US Toll-free

Meeting ID: 992 8738 4726

AGENDA

I. Welcome, Introductions – 7:30 am

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

II. Approval of Minutes – 7:35 am

- Consider approval of the minutes for the March 1, 2022 meeting.

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

IV. New Business – 7:45 am

- Elections in July reminder.

V. Old Business – 8:00 am

- Quarterly/Lunch meetings via Zoom or in-person?

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)

March 1, 2022

Minutes

I. Welcome

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

Mark Monin, President (ETWD)

Arlene Schafer, 1st Vice President (CMSD)

Bob McVicker, 2nd Vice President (MWDOC)

Brooke Jones, 3rd Vice President (YLWD)

Greg Mills, Secretary (SWD)

Bill Green, Treasurer (SCWD)

Saundra Jacobs, Immediate Past President (SMWD)

Others Present:

Deborah Muchmore (Muchmore Than Consulting)

Stacy Taylor, Water Policy Manager (Mesa WD)

Heather Baez, Government Affairs Manager (MWDOC)

Laura Heflin, Administrative Assistant (Serrano WD)

Alison Martin (YLWD)

Jim Fisler (Mesa WD)

Tina Dubuque (MWDOC)

Kay Havens, Director (ETWD)

Larry Dick (MWDOC)

Alison Martin (YLWD)

Raymond Barragan (OC LAFCO)

Vicki Osborn (WEROC)

John Withers (IRWD)

Stephen Faessel (City of Anaheim)

Zach Bunshaft (Governor Newsom's office)

Maurice Lyles (Governor Newsom's office)

John Withers (IRWD)

II. Minutes

A motion was made (Director Green), seconded (Director Mills), and unanimously carried via roll call vote to approve the minutes of the February 1, 2022 meeting as submitted.

III. Public Comments

- Mr. Maurice Lyles, Regional Director from Governor Newsom's office, introduced himself as well as Mr. Zach Bunshaft, Regional Coordinator. Highlights of the presentation included funding for wildfire resiliency and drought overview. President Monin reported that the Special Districts have been working hard on both of these issues and enquired about an assembly bill that would allow Zoom calls to continue extending this flexibility. Mr. Lyles responded that Governor Newsom has said that approximately 95% of the executive orders relating to COVID and Zoom will be discontinued in June. Mr. Lyles was thanked for his fantastic input and informative presentation. Various members of ISDOC provided input regarding desalination projects. Mr. Lyles responded that the Governor is in support of desalination projects. Director Mills thanked Mr. Lyles and Mr. Bunshaft for their time and input and invited them to attend upcoming meetings. Director Schafer extended an invitation to Mr. Lyles and Mr. Bunshaft to attend the April 28 quarterly meeting at 11:30 a.m. scheduled in person.

IV. New Business

- Associate Member Approval: Deborah Muchmore, Manager at Muchmore Than Consulting, LLC (organization, development and human resources consulting firm). Ms. Muchmore introduced herself and her organization and spoke briefly about the company's role. It was moved (Director McVicker), seconded (Director Schafer), and unanimously approved to add Muchmore Than Consulting, LLC as associate members.
- Live vs. Zoom for Executive and Quarterly Luncheon – President Monin recommended that the Executive Committee meetings continue via Zoom and requested that quarterly meetings resume in person. Ms. Baez reported that MWDOD will be back part-time minimally on April 1 and that the quarterly meeting may be held in person. Ms. Baez also remarked that the hybrid option is cost prohibitive and not an option due to staffing limitations. Director Schafer reported that Neil McCormick (guest speaker) is prepared to attend in person. Lengthy discussion ensued amongst the members relating to continuing to hold Executive Committee meetings via Zoom and quarterly in-person meetings. Director Mills reported that he attends various other meetings where guest speakers are brought in virtually. It was agreed that Executive Committee meetings will continue virtually, and quarterly meetings will resume in person effective immediately.
- Redistricting for Special Districts – President Monin solicited input from attendees. Director Green (SCWD) and Schafer (CMSD) reported that their Districts are actively involved with the redistricting process. Director Mills reported that the Serrano Water District is in the last stages of redistricting with minor revisions.

V. Old Business

- Newsletter Update/Discussion – President Monin remarked that interest has not been expressed in furthering this topic to date.

VI. Treasurer’s Report – Director Green

- Director Green reported that there is a balance of \$11,829.54 which represents no change over the last few months.

VII. CSDA - Director Schafer

- Director Schafer reported that Mr. Palmer is unable to attend this meeting. He did, however, provide an update on Special Districts that has been previously disseminated.
- SDRMA is having a spring education day on 3/22 (live meeting).
- Leadership academy is 4/3 – 4/6 in San Diego.
- Special District’s legislation day is 5/17 and 5/18 in Sacramento.
- Director Schafer reminded staff of the Form 700 deadline submittal of 4/1/22.
- CSDA’s annual conference is 8/22 – 8/25 in Palm Desert.
- The Board Secretary conference is 11/7 – 11/9 in Monterey.
- The Emergency Preparedness Summit is 2/25/22 from 9:00 a.m. to 1:00 p.m. and held virtually.
- The Strategic Plan sessions are set for 6/21 – 6/23/22 at the Hotel Del Corando.

VIII. LAFCO Report – Director Fisler

- Director Fisler reported that the next meeting is March 9 at 8:15 a.m. in person. Agenda items include the proposed budget. Three Arch Bay will also be featured on the agenda with a follow up to prior discussions to address resident concerns. Video FAQs are coming soon.

IX. ACWA Report – Director Jacobs

- Director Jacobs reported that the ACWA conference is May 3 – 5 live in Sacramento and that the JPIA portion of the meeting is scheduled for May 2 and 3.
- A virtual symposium will be held March 10.
- The Education Committee Campaign is working on increasing awareness for the importance of strengthening the water infrastructure.
- Director Jacobs reported on ACWA’s advisory relating to sharing location drought response.

X. OCCOG Report – Director Scheafer (President Monin)

- In Director Scheafer's absence, President Monin reported that OCCOG discussed the tank farm project and various other issues which ended with closed session.

XI. Orange County Operational Area Report – Vicki Osborn (President Monin)

- President Monin reported that Ms. Osborn had to report to jury duty a few minutes ago. He reported that there may be cyberattacks given the Russian situation. There have been two coastal pipeline breaks.

XII. Subcommittee Reports

- Programs – President Monin asked members to contact Director Schafer with potential guest speakers for the July quarterly meeting.
- Membership – Director McVicker stated that he will invite potential associate member additions to future meetings. Orange County Sanitation District is proposed guest spotlight speaker for the July meeting.
- Legislative – Director Jones reported on various items. President Biden is expected to release his draft fiscal year 2023 budget today, and his State of the Union address is tonight. Congress passed another continuing resolution to maintain existing spending levels through March 11 while working on 2022 appropriations. Various federal bills and well as state bills were reviewed. Possible two-year bills were also discussed. Director Schafer reported that attendees should contact their legislators, and thanked Director Jones for a fantastic report as usual.

XIII. Adjourn: President Monin thanked the various attendees and staff for their assistance and participation. The next meeting is scheduled for April 5, 2022 at 7:30 a.m. via Zoom. The quarterly meeting is set for April 28 at 11:30 a.m. in person. The meeting was adjourned at 8:30 a.m.

Signed: _____



ISDOC Secretary

Date: March 1, 2022



AGENDA

Friday, April 1, 2022
7:30 a.m. – 9:00 a.m.

Register in advance:

[https://us06web.zoom.us/meeting/register/tZ0ud-ypqD0uGNwDI3YSx6sJS5zz2qTjP48M](https://us06web.zoom.us/join/https://us06web.zoom.us/meeting/register/tZ0ud-ypqD0uGNwDI3YSx6sJS5zz2qTjP48M)

Mailing Address

P.O. Box 8300
Fountain Valley, CA 92708

Meeting Location

Via Zoom

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

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

Officers

Chair
Hon. Cathy Green
Orange County Water District

Vice Chair
Hon. Mark Monin
El Toro Water District

Staff Contacts

Alicia Dunkin/Medha Paliwal
Orange County Water District (OCWD)

Heather Baez
Municipal Water District of Orange County (MWDOC)


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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

“Cyber Security for Water Policy Executives”

Speaker: Frank Ury, Director, Santa Margarita Water District and Member, OC Sheriff’s Technology Advisory Committee

6. Adjourn

Next WACO Meeting

Friday, May 13, 2022 at 7:30 a.m. via Zoom

Next WACO Planning Committee Meeting

Tuesday, April 19, 2022 at 7:30 a.m. via Zoom



WACO Planning Committee
Tuesday, April 19, 2022 at 7:30 A.M.

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

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

AGENDA

WELCOME

ACTION ITEMS

1. May 13, 2022 WACO Meeting (*held on 2nd Friday due to ACWA Conf.*)
 - Reports: WEROC, Met, CSDA, ACWA
 - Program: MET Water Supply/Drought Outreach
 - Speakers: Brad Coffey, Group Manager, Water Resource Management; Debra Sass and Teresa Gonzalez Robertson, MET Communications Team Members
 - Confirm presentation details
2. June 3, 2022 WACO Meeting
 - Reports: WEROC, Met, ACWA
 - Proposed Program: Chuck Bonham, CA Department of Fish and Wildlife Director (*staff have reached out; no response yet*)
 - Confirm reports
 - Confirm speaker/topic

DISCUSSION ITEMS

1. Potential topics for future meetings:
 - Camille Touton, USBR Commissioner (possibly July)
 - Regional water recycling program (Karl Seckel)
 - DWR development of water use efficiency standards (Stacy Taylor)
 - Updating California Water Laws to Address Drought and Climate Change w/ Holly Doremus, Professor of Law, UC Berkeley (Peer Swan/Karl Seckel)
 - Professional Labor Agreements (PLA) at MET w/ speakers from the independent contractors & Eduardo from the trades (Larry Dick)
 - Forest Management w/ Marty Gann from the Dept. of Forestry (Jim Atkinson)
 - LA, MET and Impacts to Orange County w/ Marty Adams (Peer Swan)
 - Local Projects: Sites Reservoir, Chino Project (Mark Monin)
 - Upper Colorado River w/ Anne Castle, University of Colorado Law School Senior Fellow who previously worked on Colorado River issues under Obama administration (Karl Seckel)
 - MET Climate Action Plan (Al Nederhood)
 - Salt management/PFAS (Peer Swan)
 - Delta with Jay Lund, Professor of Watershed Sciences (Karl Seckel)
 - Ways water districts add to their income stream w/o rate payers (Larry Dick)
 - 1,2,3-TCP in the Central Valley (Cathy Green)

2. Discussion of April 1 meeting: Cyber Security for Water Policy Executives

INFORMATIONAL ITEMS

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

ADJOURN

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

Virtual - Zoom

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

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

Officers

Chair

Hon. Cathy Green
Orange County Water District

Vice Chair

Hon. Mark Monin
El Toro Water District

Staff Contacts:

Alicia Dunkin/Medha Paliwal
Orange County Water District

Heather Baez
Municipal Water District of Orange County

Stay connected with OCWD and MWDOC

OCWD:

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MWDOC:

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DATES TO REMEMBER

APRIL/MAY 2022

1. Apr 28 – 11:30 a.m. – ISDOC Quarterly Meeting
2. Apr 28 – 2:30 p.m. – SOCWMA Executive Committee Meeting
3. Apr 29 – 12 noon – Pres/VP/GM Meeting
4. May 2 – 8:30 a.m. – MWDOC Planning/Operations Committee Meeting
5. May 2 – 1:30 p.m. – SOCWMA Management Committee Meeting
6. May 2 - 5 – ACWA Spring Conference (Sacramento)
7. May 3 – 7:30 a.m. – ISDOC Executive Committee Meeting
8. May 4 – 8:30 a.m. – MWDOC/MET Directors Workshop
9. May 5 – 2:30 p.m. – South Orange County Watershed Management Committee
10. May 6 – DISTRICT OFFICE CLOSED
11. May 9 – 7:30 a.m. – Budget Committee #2 Meeting
12. May 10 – 10:00 a.m. – RRC Meeting
13. May 10 – 10:30 a.m. – SOCWA Finance Committee Meeting
14. May 11 – 8:15 a.m. – LAFCO
15. May 11 – 8:30 a.m. – SOCWA Engineering Committee Meeting
16. May 11 – 8:30 a.m. – MWDOC Admin/Finance Committee Meeting
17. May 12 – 8:30 a.m. – SOCWA Board Meeting
18. May 12 – 11:30 a.m. – CAG Meeting
19. May 13 – 7:30 a.m. – WACO
20. May 13 – 12 noon – Pres/VP/GM Meeting
21. May 16 – 9:00 a.m. – Agenda Review
22. May 17 – 7:30 a.m. – WACO Planning Committee Meeting
23. May 17 – 10:30 a.m. – SOCWA Finance Committee Meeting
24. May 18 – 8:30 a.m. – MWDOC Board Meeting
25. May 19 – 10:30 a.m. – MWDOC Managers Meeting

26. May 20 – DISTRICT OFFICE CLOSED
27. May 23 – 7:30 a.m. – Regular Engineering/Finance Committee Meetings
28. May 24 – 7:30 a.m. – Budget Workshop (Full Board)
29. May 26 – 7:30 a.m. – Regular Board Meeting
30. May 26 – 12 noon – South Orange County Agencies Meeting
31. May 26 – 2:30 p.m. – SOCWMA Executive Committee Meeting
32. May 27 – 12 noon – Pres/VP/GM Meeting
33. May 30 – MEMORIAL DAY – DISTRICT OFFICE CLOSED
34. May 31 – 10:00 a.m. – RRC Meeting

EL TORO WATER DISTRICT

Glossary of Water Terms

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

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

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

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

AFY: Acre-foot per year.

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

AMP: Allen McCulloch pipeline.

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

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

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

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

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

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

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

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

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

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

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

BIA: Building Industry Association.

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

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

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

Brackish water: A mixture of freshwater and saltwater.

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

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

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

CEQA: California Environmental Quality Act.

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

CFS: Cubic feet per second.

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

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

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

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

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

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

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

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

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

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

Crisis:

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

CTP Coastal Treatment Plant

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

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

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

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

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

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

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

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

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

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

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

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

Disinfection: Water treatment which destroys potentially harmful bacteria.

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

Drought: A prolonged period of below-average precipitation.

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

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

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

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

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

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

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

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

Estuary: Where fresh water meets salt water.

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

FCH Federal Clearing House – Environmental Review/Processing

FEMA Federal Emergency Management Agency

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

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

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

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

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

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

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

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

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

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

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

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

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

GPM: Gallons per minute.

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

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

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

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

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

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

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

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

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

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

MAF: Million acre feet.

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

MET: Metropolitan Water District of Southern California.

MGD: Million gallons per day.

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

Microorganism: An animal or plant of microscopic size.

MWD: Metropolitan Water District of Southern California.

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

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

NPDES National Pollution Discharge Elimination System

OCBC: Orange County Business Council.

OCEMA Orange County Environmental Management Agency

OCWD: Orange County Water District.

Opportunity:

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

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

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

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

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

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

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

Potable water: Suitable and safe for drinking.

PPB: Parts per billion.

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

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

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

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

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

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

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

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

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

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

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

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

RFP Request for Proposal

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

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

R-O-W Right-of-way

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

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

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

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

SAFRA Santa Ana River Flood Protection Agency

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

SAWPA: Santa Ana Watershed Project Authority.

SCADA Supervisory Control and Data Acquisition

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

SCH State Clearing House – Environmental Review/Processing

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

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

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

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

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

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

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

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

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

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

SJBA San Juan Basin Authority

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

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

CSC – City of San Clemente

CSJC – City of San Juan Capistrano

CLB – City of Laguna Beach

ETWD – El Toro Water District

EBSD – Emerald Bay Service District

IRWD – Irvine Ranch Water District

MNWD – Moulton Niguel Water District

SCWD – South Coast Water District

SMWD – Santa Margarita Water District

TCWD – Trabuco Canyon Water District

SRF State Revolving Fund

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

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

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

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

SWRCB State Water Resources Control Board

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

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

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

TMA: Too many acronyms.

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

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

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

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

VE Value Engineering

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

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

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

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

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

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

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

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

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

Water table: The top level of water stored underground.

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

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

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

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

Xeriscape: Landscaping that requires minimal water.