

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

May 28, 2020

7:30 a.m.

This Meeting is being conducted in accordance with Governor Newsom's Executive Order N-29-20 (Paragraph 3) and the conditions specified therein which waive certain provisions of the Brown Act.

In an effort to protect public health and prevent the spread of COVID-19 (Coronavirus), and in accordance with the Governor's Executive Order N-29-20, **there will be no public location for attending in person.**

The Order allows all Board Members to participate telephonically in the Meeting from remote locations. As such, Directors Monin, Gaskins, Vergara, Freshley and Havens will be participating telephonically.

Members of the public who wish to comment on any item within the jurisdiction of the District or on any item on the agenda, may observe and address the Meeting by joining at this link: <https://us02web.zoom.us/j/85384178868>. (Meeting ID: 853 8417 8868). 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.

CALL MEETING TO ORDER – President Monin

PLEDGE OF ALLEGIANCE – Director Havens

ORAL COMMUNICATIONS/PUBLIC COMMENTS

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

1. CONSENT CALENDAR

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

- a. Consider approving the minutes of the April 23, 2020 Board meeting (Minutes Included)
- b. Consider approving the minutes of the May 7, 2020 Special Board meeting (Minutes Included)

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. Quarterly Review of the District’s 401(k) Retirement Savings Plan (Reference Material Included)

A HighMark representative will review and comment on the investment performance of the District’s 401(k) Retirement Savings Plan.

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

GENERAL MANAGER ACTION ITEMS

4. **Resolution No. 20-5-1 Amending the Directors Compensation Policy Statement 1993-10 (IV)** (Reference Material Included)

Staff will review and comment on Resolution No. 20-5-1 which amends the Directors Compensation Policy Statement 1993-10 (IV).

Recommended Action: Staff recommends that the Board adopt Resolution No. 20-5-1 which amends the Directors Compensation Policy Statement 1993-10 (IV).

RESOLUTION NO. 20-5-1
OF THE BOARD OF DIRECTORS
OF THE EL TORO WATER DISTRICT
AMENDING THE DISTRICT'S
DIRECTORS COMPENSATION POLICY
1993-10 (IV)

5. **COVID-19 Update**

Staff will provide an update on the status of the District response to the COVID-19 pandemic. Staff will provide a further update on the utilization of the Emergency Administrative Leave originally authorized at the March 23, 2020 Board Meeting and extended at the April 23, 2020 Board Meeting. The Employee Handbook, as amended, authorizes 160 hours per employee and requires Board approval for extensions of Emergency Administrative Leave.

Recommended Action: Staff recommends the Board of Directors grant the General Manager discretion to extend the use of Emergency Administrative Leave, as necessary up to 160 hours per employee, until the June 25 meeting of the Board of Directors.

GENERAL MANAGER INFORMATION ITEMS

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

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

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

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

8. **Public Education and Outreach & Water Conservation Reports**
(Reference Material Included)
9. **SOCWA Reports** (Reference Material Included)
 - a. SOCWA Managers Meeting – May 6, 2020
 - b. SOCWA Special Finance Committee Meeting – May 12, 2020
 - c. SOCWA Budget Meeting – May 21, 2020
10. **Municipal Water District Of Orange County (MWDOC) Report**
(Reference Material Included)
 - a. MWDOC Planning & Operations – May 4, 2020
 - b. MWDOC/MET Directors Workshop – May 6, 2020
 - c. MWDOC Administration & Finance Committee – May 13, 2020
 - d. MWDOC Public Affairs & Legislation – May 18, 2020
 - e. MWDOC Board Meeting – May 20, 2020
 - f. MWDOC Managers Meeting – May 21, 2020
11. **Local Agency Formation Commission (LAFCO) Report**
 - a. Report on the May 13, 2020 meeting
12. **South Orange County Watershed Management Area (SOCWMA) Management and/or Executive Committee Report**

There was no meeting.
13. **ISDOC Meetings** (Reference Material Included)

There was no meeting.
14. **WACO Meetings** (Reference Material Included)
 - a. Report on the May 1, 2020 WACO Meeting
 - b. Report on the May 19, 2020 WACO Planning Committee meeting
15. **City Coordination Efforts**
 - a. Report on the May 27, 2020 Lake Forest Quarterly Utility Coordination meeting.

COMMITTEE AND GENERAL INFORMATION

16. Dates to Remember for May/June 2020 (Reference Material Included)

COMMENTS REGARDING NON-AGENDA ITEMS

ATTORNEY REPORT

CLOSED SESSION

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

1. At this time, the Board will go into Closed Session pursuant to Government Code Section 54956.9 (d) (1) to consult with legal counsel and staff on a matter of pending litigation. [Class Action] *Kessner et al. v. City of Santa Clara, et al.* (Santa Clara County Superior Court - Case No. 20 CV 364054.)
2. At this time, the Board will go into Closed session pursuant to Government Code Section 54956.9 (d) (2) to consult with legal counsel and staff - potential litigation (one matter).
3. At this time, the Board will go into Closed Session pursuant to Government Code Section 54956.9 (d) (2) to consult with legal counsel and staff regarding a Claim dated May 8, 2020 filed by Saddleback Valley Dental Associates.

REGULAR SESSION

REPORT ON CLOSED SESSION (Legal Counsel)

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

ADJOURNMENT

Recommended Action: The Board will be requested to take action adjourning today's Board meeting to **Thursday, June 25, 2020 at 7:30 a.m.** at the El Toro Water District, 24251 Los Alisos Boulevard, Lake Forest, California.

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
April 23, 2020

President Monin called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 a.m. on April 23, 2020.

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

Roll Call:

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

The Board Secretary confirmed that we have a quorum at today's regular Board meeting via Zoom.

Also present via Zoom were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, NEELY SHAHBAKHTI, Finance Manager/Controller, GILBERT J. GRANITO, General Counsel, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, RICK OLSON, Operations Superintendent, RORY HARNISCH, Engineer, and POLLY WELSCH, Recording Secretary.

Reconvened Finance & Insurance Committee Meetings

Finance Committee Meeting (Reconvened from Monday, April 20, 2020)

Director Vergara called to order the reconvened Finance Committee meeting at approximately 7:44 a.m.

Mr. Cafferty stated that staff has reviewed the Revenue sources and made assumptions on what might be considered more stable or at risk, and then made projections under different assumptions of what kind of Revenue impact we could see. He further stated that it would be a Revenue interruption that at some point would get caught up, although a portion may never be paid.

Mr. Cafferty stated that the total Revenue based on the 2019/20 Rate Structure is just under \$22.8 million. He further stated that almost \$8.7 million of this Revenue comes from the Laguna Woods Village community, with \$2.8 million from a variety of multi-family (apartment complexes, Willows Foundation, Laguna Village), and excludes individually owned multi-family.

Mr. Cafferty stated that the Revenue that might be at risk is about half of our Revenue, or \$11.3 million.

Mr. Cafferty stated that staff analyzed revenue interruptions of 20% - 40% for periods of 3 months to one year. Mr. Cafferty further stated if we assume 20% reduction for a full year, or 40% for 6 months, would result in a \$2.2 million Revenue loss.

Mr. Cafferty stated that the Board mandated Reserves could be used to tap into for explicit purposes defined in the Cash Reserve policy. He further stated that the Rate Stabilization Reserve is to be used for impacting the necessary rate increase, or periods of Revenue shortage.

Mr. Cafferty stated that there is \$1.3 million in Operations Reserves, which is used for Operational Revenue. He further stated that the goal would be, should we deplete any of these Reserves for a short-term period, that we have a long-term plan to restore them.

President Monin stated that the reserve balances reflect information as of March 31st, and asked if staff have verified the numbers. Mr. Cafferty replied that staff has verified that these numbers are the latest available as of March 31st. He further stated that approximately 50% of our Reserves are in LAIF. Ms. Shahbakhti replied that is correct, and 50% are in CAMP.

President Monin asked staff if they could check in with CAMP and see how our investments are doing. Ms. Shahbakhti replied that CAMP representatives have been reviewing our account during the time our representative has been unavailable. Mr. Cafferty stated that staff will contact CAMP regarding the status of our portfolio.

Director Vergara stated that he asked neighboring agencies how they are dealing with the possibility of customers not paying their water bills, and this was the least of the concerns, with the main concern being the property tax revenue. He further stated that 90% of the property taxes have been paid. Mr. Cafferty stated that we receive approximately \$1 million from the property tax collected.

President Monin stated that he heard from consultants that are worried about the same issue.

Engineering Committee Meeting (Reconvened from Monday, April 20, 2020)

Director Freshley called the reconvened Engineering Committee meeting to order at approximately 8:34 a.m.

Director Freshley asked why staff is “monitoring” the Capital projects rather than proceeding forward because we have the funds for these projects and should move forward with bids and construction contracts.

Director Vergara stated that we should stick to the Board approved plan to maintain our District and its customers. He further stated that we could postpone large projects that can wait to be done and proceed with smaller projects that we still need to do.

Vice President Gaskins stated that he agrees that we are not in a position to stimulate the economy, but continue to utilize employees and move forward with Capital projects that have been approved.

Director Havens stated that she concurs with the Board, and our job is to deliver the water to customers in our service area. She further stated that these issues could continue on and off for several years.

President Monin stated that we should go through each Capital Project and prioritize them.

Mr. Cafferty went through the list of projects and explained what each one was.

President Monin asked on the Old Treatment Plant, we haven't heard from WEROC or MWDOC on cost sharing and he doesn't feel this project should proceed until we have more information. Mr. Cafferty agreed that this project is not ready to move forward.

Mr. Cafferty stated that the last item is the Tractor that hauls our sludge to SOCWA and we are prepared with quotes, analysis of alternative approaches, and are ready to issue a purchase order. He further stated that the growing costs of maintaining the existing vehicle and maintaining it when it could fail at the wrong time are on-going. Mr. Cafferty stated that staff has spoken to the low bidder on getting an idea on lead time, and we are talking about 5-6 months from the issuance of a purchase order.

President Monin stated that there are larger projects than what's on this list. Mr. Cafferty replied that these projects are part of the Master Plan which we will be reviewing during the budget process. He further stated that the R-6 Reservoir project is estimated to be \$10 million of which our share is 45% or approximately \$4.5 million for ETWD.

President Monin asked what are the other big ticket items. Mr. Cafferty replied that during the next two years, according to SOCWA's budget, there is \$2 million of SOCWA Capital that will be our responsibility. He further stated that we have a SOCWA Reserve in addition to what we have in our annual Capital budget.

Mr. Cafferty stated that there is also the Treatment Plant Building project is being contemplated in the long-term future at a cost of approximately \$2.6

million. He further stated that the potential turn-out on the South County Pipeline is another large future project which is partnered with MNWD and potentially \$1 million and would be worked into the Capital budget.

Mr. Cafferty stated that staff would like the Board's direction to proceed with one or all of the Capital projects and whether a Special Board meeting is needed to vote on proceeding with these projects.

Director Vergara suggested scheduling a Special Board meeting to vote on the Capital Projects and priority.

Director Freshley asked for a Motion.

Motion: Director Vergara made a Motion, seconded by President Monin and unanimously carried across the Board to authorize the General Manager to schedule a Special Board meeting to discuss each of the Capital Projects, and give authority whether or not to proceed on each Project.

Roll Call Vote:

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

Recess

At approximately 9:45 a.m. the Board took a short recess.

Regular Board Meeting

At approximately 9:50 a.m. the Board returned to Regular session.

Roll Call:

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

The Board Secretary confirmed that we have a quorum for the Regular Board meeting.

Oral Communications - Public Comments

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

There were no comments.

Items Received Too Late To Be Agendized

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

Consent Calendar

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

1. Consider approving the March 26, 2020 Board meeting minutes.

President Monin asked for a Motion.

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

Roll Call Vote:

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

Director Reports for Meetings Attended

Director Havens stated that she attended LAFCO via zoom, MWDOC Board meeting via zoom, an ACWA webinar regarding financial implications due to COVID-19, an OCWD meeting, and our regular Board meetings.

Vice President Gaskins stated that he attended Chair/GM meetings, ISDOC Executive Committee, LAFCO, Agenda Review meeting, and our regular Board meetings.

Director Freshley stated that she attended the MWDOC Board meeting, the MWDOC/MET workshop, SOCWA Finance meetings, LAFCO, and a webinar for ACWA Energy, Laguna Woods City Council, and our regular Board meetings.

President Monin stated that he attended the Agenda Review, ISDOC Executive Committee meeting, MWDOC Admin/Finance meeting, MWDOC Board meeting, the MWDOC/MET workshop, ISDOC conference calls, the Laguna Woods City Council meeting, and our regular Board meetings.

Director Vergara stated that he attended the MWDOC Admin/Finance meeting, the MWDOC Board meeting, WACO Planning meeting, and our regular Board meetings.

General Manager Action Items

Resolution No. 20-4-2 Adopting the Update to the District's Local CEQA Guidelines

Mr. Cafferty stated that the District's CEQA guidelines are reviewed each year by Best Best & Krieger, who recommends updates as appropriate which are included in the package.

President Monin asked for a Motion.

Motion: Director Vergara made a Motion, seconded by Director Freshley, and unanimously carried across the Board to adopt Resolution No. 20-4-2 approving the 2020 update to the District's Local California Environmental Quality Act (CEQA) guidelines.

Roll Call Vote:

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

Annual Review of the District's Identity Theft Prevention Policy Statement (2008-23 (IV))

Mr. Cafferty stated that this is an annual review policy, and staff is not recommending any changes other than some format/typo issues.

Therefore, there is no need to take any action or a Motion.

Amendment No. 9 to the Santiago Aqueduct Commission Joint Powers Agreement

Mr. Cafferty stated that this Amendment No. 9 is for IRWD to acquire the capacity in the Baker pipeline from the County of Orange. He further stated that it also removes the County from the Commission.

President Monin asked for a Motion.

Motion: Director Freshley made a Motion, seconded by Director Vergara and unanimously carried across the Board to authorize the Board President and Secretary to execute Amendment No. 9 to the Santiago Aqueduct Commission Joint Powers Agreement.

Roll Call Vote:

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

COVID-19 Update

Mr. Cafferty provided an update regarding the Districts response to the COVID-19 pandemic.

Mr. Cafferty stated that the staffing plan implemented to mitigate the potential spread of the COVID-19 virus and keep District staff safe requires the extension of the Emergency Administrative Leave authorization by 160 hours per employee and is requesting Board approval.

President Monin asked for a Motion.

Motion: Director Freshley made a Motion, seconded by Vice President Gaskins and unanimously carried across the Board to grant the General Manager discretion to extend the use of the Emergency Administrative Leave as necessary up to 160 hours per employee, until the May 25 meeting of the Board of Directors.

Roll Call Vote:

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

Approval of Request for Public Assistance (RPA) for FEMA (4482-Dr-Ca)

California COVID-19 Documentation (Resolution No. 20-4-3)

Mr. Cafferty provided a description and update regarding documentation necessary to remain eligible for potential emergency funding and reimbursement for costs associated with the COVID-19 pandemic.

Director Havens stated that at the ACWA Finance webinar there was a lot of good information on emergency funding during this pandemic, and to have an emergency proclamation in place.

President Monin asked for a Motion.

Motion: Director Freshley made a Motion, seconded by Vice President Gaskins and unanimously carried across the Board to adopt Resolution No. 20-4-3 designating the titles of the individuals authorized to execute and file applications to obtain state and federal disaster reimbursements being the General Manager and Finance Manager/Controller and submit Cal OES Form

130 documenting said designations.

Roll Call Vote:

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

General Manager Information Items

General Manager's Monthly Report

Mr. Cafferty stated that the battery storage performance is disappointing. He further stated that staff is working with AMS to address and explain the performance of the WRP battery system.

President Monin asked if staff could check with IRWD and see how the batteries are working for their system, and then report back to our Board. Mr. Cafferty replied that staff will follow up.

Legislative Reports

There were no comments.

Public Education and Outreach & Water Conservation Reports

President Monin recommended that we hold the next CAG meeting via Zoom.

SOCWA Reports

Mr. Cafferty stated that the majority of the SOCWA Special Finance Committee meeting was a discussion on budget and where they can manage and divert things and opportunities to reduce any part of the budget. He further stated that they discussed unfunded liability in PERS and post-

employment benefits.

MWDOC

Director Vergara stated that he didn't attend the MWDOC Planning/Operations meeting. Mr. Cafferty stated that the meeting carried over into the MWDOC Admin/Finance meeting which then carried over into the MWDOC Board meeting and subsequent meetings thereafter. He further stated that they discussed MWDOC's indication of potential direct participation in the Doheny project with South Coast Water District as no District has expressed interest in the project.

Mr. Cafferty stated that MWDOC had discussion at the Planning/Operations meeting on a \$345,000 economic benefits study. He further stated that at the Admin/Finance meeting there was pushback on MWDOC's proposed additional language in their rate resolution.

Director Vergara stated that at the MWDOC Admin/Finance meeting they discussed modifying the Admin Code with 7 options. He further stated that they discussed the hydraulic model.

Director Vergara stated that at the MWDOC Board meeting they discussed the \$325,000 study and supporting the Cadiz project.

Mr. Cafferty stated that at the MWDOC Managers meeting they discussed the economic analysis, rate resolution, and general discussion on what MWDOC's role is or should be, along with core and choice projects.

At approximately 11:00 a.m. Mr. Harnisch left the meeting.

LAFCO

Director Freshley stated that they discussed a contract for the redesign of the website. She further stated that they were taking money from Reserves in order to balance the budget.

SOCWMA

There was no meeting.

ISDOC

President Monin stated that they discussed the LAFCO dues formula, a CSDA report, and the ACWA report. He further stated that they also discussed a potential small scholarship.

Vice President Gaskins stated that there is too much money for what they do, so they suggested using the money on a scholarship.

WACO

Director Vergara stated that there will be a meeting via zoom in May.

City Coordination Efforts

There were no comments.

Committee and General Information

There were no comments.

Dates to Remember for March/April 2020

There were no comments.

Carry Over Pending Matters

There were no comments.

Comments Regarding Non-Agenda Items

There were no comments.

Attorney Report

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

Closed Session

At approximately 11:30 a.m. the Board went into Closed Session to discuss item #2 of today's Closed Session agenda. Also at this time, Mr. Olson, Ms. Seitz, Ms. Cimorell, Ms. Shahbakhti, and Ms. Welsch left the meeting.

Open Session Report

At approximately 11:37 a.m. the Board returned to Regular Session. Also at this time, Ms. Welsch returned to the meeting.

Mr. Granito reported that the Board did go into Closed Session for the purpose reflected in Item 2 of today's agenda (Pending Litigation) during which the General Manager and General Counsel led a discussion on the matter, and no reportable action was taken.

Adjournment

There being no further business to come before the Board the meeting was adjourned at 11:38 a.m. to Thursday, May 28, 2020 at 7:30 a.m. via zoom at the District's Administrative Offices at 24251 Los Alisos Blvd, Lake Forest, CA. 92630.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

MARK L. MONIN, 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

MINUTES OF THE SPECIAL MEETING
OF THE
BOARD OF DIRECTORS
OF THE
EL TORO WATER DISTRICT
May 7, 2020

President Monin called the Special meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 o'clock a.m. on May 7, 2020 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

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

Directors MARK L. MONIN, MIKE GASKINS, JOSE VERGARA, KATHRYN FRESHLEY, and KAY HAVENS were present via Zoom.

Also present via Zoom were DENNIS P. CAFFERTY, General Manager/Assistant Secretary, NEELY SHAHBAKHTI, Finance Manager/Controller, GILBERT J. GRANITO, General Counsel, JUDY CIMORELL, Human Resources Manager, RICK OLSON, Operations Superintendent, BOBBY YOUNG, Principal Engineer, RORY HARNISCH, Project Engineer, and POLLY WELSCH, Recording Secretary.

ORAL COMMUNICATIONS - PUBLIC COMMENTS

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

There were no comments.

Items Received Too Late to be Agendized

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

Transmittal of Election Information Special District

Mr. Cafferty stated that the Registrar of Voters office requires this form filled out and returned to them each election year. He further stated that there are two choices to make, whether or not the District will pay for candidate statements of qualification, and the number of words that the District authorizes for the candidate statements to be 200 or 400 words.

President Monin asked for a Motion.

Motion: President Monin made a Motion, seconded by Director Freshley and unanimously carried across the Board to 1) the District will not pay for candidate statements of qualification, and 2) the District authorizes the amount of words for the candidate statements of qualification to 200 words.

Roll Call Vote:

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

Review of 2019/20 Fiscal Year Capital Budget

Mr. Cafferty stated that in today's packet there is a detailed description of the Capital projects and equipment acquisition items included in the 2019/20 fiscal year budget. He further stated that staff will review each project and the

Board will instruct staff which projects to proceed and if any are to be suspended at this time.

P-3 Pump Station MCC, Generator and Pump Replacement Project

Mr. Cafferty stated that this project improves the P-3 Pump station with a project cost that could be in the \$500,000 - \$600,000 range.

Mr. Cafferty stated that this project is on hold until we have a better outcome of analyses in the Master Plan project.

WRP Grit Chamber Rehabilitation and Recoating Project

Mr. Cafferty stated that the Grit Chamber is at the headworks at the Plant and collects grit such as coffee grounds and egg shells we don't want in the system. He further stated that the concrete walls have deteriorated due to exposure to hydrogen sulfide gases.

Mr. Cafferty stated that this project will replace coating and repair damaged concrete, and install a urethane coating throughout the grit chamber

Mr. Cafferty stated that the next step will be to have a coating consultant develop a specification and then we could go out to bid. He further stated that the capital budget for this project is \$85,000.

Mr. Cafferty stated that the cost of hiring the consultant would be within the General Managers authority.

Director Freshley asked what is included in the \$85,000. Mr. Cafferty replied that the \$85,000 is a budgeted number that was part of the 2019/20 capital budget and is hopeful that this budgeted amount will entail the entire project, however we won't know for sure until we get bids.

Director Vergara asked if staff recommends moving this project along. Mr. Cafferty replied yes.

Reconstruct Drainage Swale at the WRP Holding Pond

Mr. Cafferty stated that on the west side of the holding pond below the garden center there is a steep slope that goes to the pond. He further stated that halfway down there is an existing drainage swale.

Mr. Cafferty stated that the old concrete swale is deteriorating and cracking due to age, with vegetation growing through the cracks which impedes the flow of storm water. He further stated that the existing system has resulted in failures at the site and the holding pond property.

Mr. Cafferty stated that staff plans to engage a consulting engineer to provide alternative options for reconstruction of the swale. He further stated that the project costs carried over from the 2018/19 capital budget is \$68,250, but could be higher.

President Monin asked if we will gain any other benefit to this area by going forward with this project. Mr. Cafferty replied that it is an investment in protecting the existing facility.

President Monin asked what we could do to prevent further erosion in the future at this site. Mr. Cafferty replied that staff is proposing a small wall or curb to prevent storm water from draining into the holding pond.

President Monin asked if this project could be postponed. Mr. Cafferty stated that we could continue this project at the next step by walking the site wearing masks and practicing social distancing.

Director Havens asked in the interim will someone take care of the root intrusions. Mr. Cafferty stated that staff will keep the vegetation under control.

Director Vergara commented that there are new techniques and new concrete that can last longer now than in the past.

Director Freshley asked if the water is coming from the Garden Center, it could contain fertilizer and chemicals and shouldn't be going through our process and into the holding pond. Mr. Cafferty stated that the water in the holding pond is an open water reservoir with animal and bird life there, so the quality of that water is a challenge when it comes to recycling. He further stated that we would have to make changes to be able for this water to be better suited for recycling, and currently to get the water to reserve level, any excess water goes to the Ocean Outfall.

Mr. Cafferty stated that staff will proceed with engineering work and cost estimates for this project.

Clarifiers No. 3 & 4 Scum Pump Station

Mr. Cafferty stated that the existing scum pumps for clarifiers 3 & 4 are 30 years old and at the end of their useful life. He further stated that floating scum is skimmed off the surface into individual scum.

Mr. Cafferty stated that the new technology will improve reliability of the clarifiers. He further stated that the budget for this project is \$40,000 and we are planning to proceed with this project.

Director Vergara stated that this project needs to be done and staff should proceed. Director Freshley agreed.

Master Plan Update

Mr. Cafferty stated that this project has been delayed by other projects that have taken precedence in completing the RFP and getting it out. He further stated that water and sewer demands in the distribution and sewer systems have changed dramatically.

Mr. Cafferty stated that there is a current lack of an asset management tool and the goal is to incorporate it into the Master Plan Project. He further stated that we will facilitate a plan to replace our equipment and include the costs over the long term to avoid surprises like the R-6 cover, which will help us financially plan for capital needs and requirements.

Mr. Cafferty stated that the Master Plan will update the hydraulic model so it is consistent with current technology allowing us to analyze the system. We will look at the P-3 pump station and identify any other projects or replacement issues we may be dealing with in the future.

President Monin stated that the members of MWDOC are reviewing the MWDOC Master Plan at \$345,000 and our Plan is \$350,000, and are there any other agencies doing a Master Plan that could add to the accuracy of what we are doing. Mr. Cafferty replied that the Master Plan will be unique and specific to ETWD's system reviewing the distribution and wastewater collection systems.

President Monin stated that MNWD is preparing a Master Plan and asked if staff has seen their Plan. Mr. Cafferty replied that MNWD's Master Plan was on their recycled water system and that we participated in the effort which analyzed the ability for us to serve recycled water on the north side of the

freeway in Lake Forest and Mission Viejo. The analysis also included the possibility of tying into their system so we could access seasonal storage in the upper Oso Reservoir.

President Monin asked if there is any benefit of asking MET to work with us on our Master Plan. Mr. Cafferty replied there would not be a mutual benefit.

Director Vergara stated that the Master Plan is a tool that we need to manage how we do business, but that we could wait 6 more months to complete the Plan. Vice President Gaskins agreed that we could postpone this project for a few months, and consider borrowing funds at a low rate to keep for future use.

President Monin stated that the District's current revenues and cash on hand are adequate, but it may not be advisable to take on too much debt even though rates are currently low.

Director Havens stated that she concurs with the discussion, and the \$350,000 is comprised of discrete modules within the Master Plan, and we should see if there is anything critical now that we can proceed with.

Mr. Cafferty stated that the Asset Management Study part of the Master Plan could be done separately.

President Monin asked that staff keep an eye on labor bandwidth. Director Freshley agrees with Mr. Cafferty that we could go forward with the Asset Management Study and should not delay this project.

Director Vergara stated that he agrees that we should continue the Master Plan project. President Monin stated that he recommends we put it out for an Engineering meeting and break out the costs. Mr. Cafferty stated that the cost

was carried over from a previous year's capital budget, and we won't know costs to do either the complete study or just the Asset Management portion until we get proposals from the Consultants.

Mr. Cafferty stated that we could either write up an RFP that focuses solely on an Asset Management Plan, or an RFP that includes the Master Plan and the Asset Management Plan and make it clear to the Consultant that we will potentially do this project in phases.

Director Freshley stated that she would like to proceed with the Master Plan and break out in phases with the Consultant. Mr. Cafferty stated that the RFP is nearly complete.

Mr. Cafferty stated that we could have an award of contract in July or August. He further stated that we could finish the RFP and set it up for Board approval at the June meeting.

The Board members agreed to proceed with this project.

Ocean Outfall Pump Station Emergency Generator Replacement

Mr. Cafferty stated that this generator provides standby power for the pumps that convey treated wastewater effluent to the SOCWA Effluent Transmission Main and the Aliso Creek Ocean Outfall. He further stated that the electrical system at the plant is broken into two parts; one that serves the overall plant, and the Ocean Outfall pump station has its own separate electrical service and emergency generator.

Mr. Cafferty stated that the existing generator is 24 years old and parts are failing and cannot be replaced. He further stated that the radiator also needs to be replaced, but it would be costly on a 24 year old generator.

Mr. Cafferty stated that the budgeted amount for 2019/20 budget is \$220,000. He further stated some conduit and wire between the generator and electrical system may also need to be replaced, and these costs were not included in the original budget.

Mr. Cafferty stated that staff plans to engage an electrical engineer to develop specifications showing the wiring and installation of a new generator so we can go to bid. He further stated that the cost of the engineering would be under the General Manager's authority, but the cost of the generator will need Board approval.

Phase II Recycled Water Retrofit Project

Mr. Cafferty stated that this project is in process, but has been suspended due to the pandemic. He further stated that once the District determines it is safe to resume the project, staff will contact the contractor to schedule remobilization and contact the County to schedule their staff to witness the testing.

Director Vergara asked if the workers are in contact with the customers in Laguna Woods Village. Mr. Cafferty replied that the contractor has little or no contact with the residents, although our staff is required to shut off and drain the potable system for each building, which requires coordination with residents.

Director Freshley stated that the West Side is 3-story buildings, and this area will be more personal. Mr. Cafferty stated that there are 47 meters in the West Side system, and residents are notified of the water disruption periods.

Director Freshley asked if the residents' hot water heaters would need to be drained. Mr. Cafferty replied no, the meters need to show zero pressure, and we should be able to accomplish this without draining water heaters.

Director Havens asked if there is any work around so we don't have to drain the buildings. Mr. Cafferty replied no, the County's regulatory requirement requires draining the buildings.

Mr. Cafferty stated that this project is still suspended.

WRP Aeration Basin Diffuser Replacement Project

Mr. Cafferty stated that we did an alternatives analysis on our solids handling.

Mr. Cafferty stated that through this analysis came a recommendation to operate the plant differently. He further stated that we have 3 aeration basins, and we normally operate 2 of them and have 1 out of service.

Mr. Cafferty stated that the recommendation was to put all 3 basins in operation which would reduce the costs associated with solids handling. He further stated that in order to do this, while working on the basin that is currently out of service staff discovered that some of the diffusers would need refurbishment. When looking further into finding replacements, staff discovered that the diffuser components have become obsolete.

Mr. Cafferty stated that staff has contracted with a consultant to generate alternatives and bid documents. He further stated that once this information is available, staff will move forward with a bid process for construction of the new aeration diffuser components.

Mr. Cafferty stated that this project will be budgeted in the 2020/21 capital budget.

Director Vergara stated that we need to move forward on this project.

Multi-purpose Room HVAC Improvement Project/ Main Office HVAC Replacement Project

Mr. Cafferty stated that the air conditioning systems on both the Main Office and the Field Office have been budgeted for in-kind replacement only. He further stated that the combustion chambers are failing and cannot be replaced, and there are additional deficiencies with the air ducting system.

Mr. Cafferty stated that in preparing to replace the units on the Main Office roof, staff discovered that due to the weight of the HVAC units, the City of Lake Forest will not issue building permits. He further stated that in order to comply with the latest building codes, the roof would need to be reinforced which would have major impact to the working space below.

Mr. Cafferty stated that an alternative approach being considered is to remove the units from the roof and replace them with a ground level system. He further stated that staff is preparing to meet with a mechanical engineer or architect to evaluate the alternatives for the Main Office and Field Office to generate drawings to facilitate a bidding process.

Mr. Cafferty stated that this updated project scope was not anticipated and not included in the budget process, so it will be included in the 2020/21 capital budget.

Director Vergara stated that he feels this project should move forward.

Director Freshley asked if the same requirement applies to the Field Office of not having the units on the roof. Mr. Cafferty replied no, the structural analysis of the roof in the Field Office is sufficient to support the weight of the HVAC units. He further stated that the Field Office project is mainly the ducting modifications.

Director Freshley asked how long this project will take to complete. Mr. Cafferty replied that it will be challenging prior to summer, and will proceed immediately toward completion.

President Monin asked what the cost of these two projects will be. Mr. Cafferty stated that the Field Office project is approximately \$60,000 and the Main Office is over \$100,000.

R-6 Floating Cover

Mr. Cafferty stated that we have done the alternatives analysis and assessment of the cover. He further stated that this project will take 3 years to complete.

Mr. Cafferty stated that this project needs to move forward. He further stated that staff has communicated with SMWD and MNWD and provided them cost estimates and the schedule.

Mr. Cafferty stated that we are currently working on an assessment of doing the cover only as opposed to the cover and liner. He further stated that the deterioration has been in the cover, with some identified deficiencies in the liner.

Mr. Cafferty stated that the intent of the liner was unlimited draw down and the liner was to protect the interior. He further stated that the cost to replace the liner is an additional \$6 - \$7 million on top of the \$10 - \$12 million we plan to replace the cover.

Mr. Cafferty stated that staff is soliciting an assessment from Genterra Consultants to evaluate the impacts if the liner begins to deteriorate.

President Monin suggested that we get a low interest loan to cover costs for this project. Mr. Cafferty stated that the floating cover and liner project estimate was \$19.2 million and ETWD would pay 45% of this which is \$8.6 million. He further stated that the cover only project estimate is \$11.7 million, so ETWD's share would be closer to \$5 million.

Vice President Gaskins commented that we need to consider taking advantage of the low interest rates right now. Mr. Cafferty stated that on the big ticket capital project items, we are likely going to consider some type of financing. He further stated that staff met with Brian Thomas of PFM to discuss options, and one of the challenges in dealing with banks is that they are suggesting we wait until closer to the end of the year.

Director Vergara asked if we could sustain if the R-6 reservoir is out of water. Mr. Cafferty replied yes, in 2000/01 we replaced the liner and cover and the R-6 reservoir was out of commission for a 6-month period. He further stated

that MET is planning put the AMP pipeline out of service for up to a few months for repairs.

Director Vergara stated that this is a large amount of money, and would it be prudent to set up a reserve account for this project so that when the cover needs replacing the funds are available. Mr. Cafferty replied that a reserve account is a great idea moving forward.

I-5 Expansion Project Utility Relocation

Mr. Cafferty stated that this project has 2 groups of relocations, one that Cal Trans has already agreed to pay for and a different set of utility relocations that may be at ETWD's costs.

Mr. Cafferty stated that we expect a response back from Cal Trans stating what position they plan to take. He further stated that SMWD has experienced a similar issue with Cal Trans, so we are taking a similar direction as them.

Mr. Cafferty stated that Cal Trans has a schedule to expand the I-5 freeway and has asked us to relocate our utilities by the end of September, so we would need to go out to bid and award a construction contract at the June Board meeting. He further stated that the responsible party for the costs are still being negotiated with Cal Trans.

Recommendation for the Capital Projects Plan

Mr. Cafferty stated that staff is looking for direction from the Board as whether or not to suspend any pending capital projects or equipment acquisitions. All Board members agreed to proceed with all of these capital

projects, except for the Phase II Recycled Water project, which will remain suspended until further notice.

At approximately 10:15 a.m. the Board took a short recess.

At approximately 10:20 a.m. Regular session resumed.

WRP Sludge Truck Tractor Replacement Project

Mr. Cafferty stated that there is a detailed write up in the package that explains the condition of the existing truck that continues to deteriorate. He further stated that the existing truck has stalled and broken down during transit several times.

Mr. Cafferty stated that this truck will be hauling 5,000 gallon loads of sludge from the Plant to SOCWA three to four times per day, which is very demanding on the vehicle. He further stated that staff proposed to replace this truck with a new tractor specified to accommodate the specific type of loads and driving conditions for the sludge hauling operation.

President Monin asked if there is a way to use an existing pipeline to handle the sludge instead of trucking sludge. Mr. Cafferty replied that solids cannot be put into the effluent transmission main as it goes strictly to the ocean.

President Monin asked what cost to put in a new pipeline could be. Mr. Cafferty replied that a previous alternatives analysis identified the cost of a new pipeline at \$9.6 million.

Mr. Cafferty stated that staff reviewed alternatives such as outsourcing and leasing. He further stated that the District has 2 staff members who drive the sludge truck.

President Monin asked why the current truck breaks down so often. Mr. Cafferty replied that mechanical analyses have thus far been unable to conclude the reasons it breaks down often.

Mr. Cafferty stated that retrofits necessary to meet the AQMD emission standard requirements have contributed to the problems on the current vehicle.

Director Freshley stated that she feels it is important to invest in a new truck as we need to be able to get our sludge to the SOCWA plant.

President Monin stated that he feels we should hold off on purchasing a new truck at this time.

Director Vergara asked that if we contract to an outside source, will JPIA still insure us. Mr. Cafferty replied that our insurance costs on the existing truck are minimal so it wouldn't be a significant impact, but the contract would have to include the insurance liability and personal injury.

Director Vergara asked how many times has the District had an accident with the existing truck. Mr. Cafferty replied zero, our drivers are extensively trained and have exemplary driving records.

Director Havens stated that she understands the risk, but asked if we are adequately insured against risk. Mr. Cafferty replied that the truck and operation are covered by JPIA's liability coverage. President Monin stated that he would like to know how much coverage we have for all of our equipment or just one umbrella that covers all.

Vice President Gaskins stated that everyone in the JPIA pool assume shared risk each year.

Director Freshley suggested that staff prepare a presentation for the Board stating how much insurance coverage we have through JPIA on our vehicles and equipment.

Director Vergara asked if we could install cameras on the truck. Mr. Cafferty stated that there is already a dash cam installed on the existing truck, and one will be installed on the new truck as well.

President Monin stated that he did a quick internet search and found a 2020 Freightliner for \$113,900 and he feels we could get a better price. He further stated that he was going through Commercial Truck Trader, but there are several sites to review. Mr. Cafferty stated that staff will follow up on the cost of the new truck.

President Monin asked for a Motion.

Motion: Director Freshley made a Motion, seconded by Vice President Gaskins, to authorize the General Manager to enter into a Purchase Order with Velocity Truck Centers in the amount of \$160,800.23 for the purchase of a 2021 Freightliner 122SD replacement tractor for the District's sludge tanker assembly.

Roll Call Vote:

President Monin	no
Vice President Gaskins	aye
Director Vergara	aye
Director Freshley	aye
Director Havens	aye

Motion passes 4-1.

Dump/Traffic Control Truck

Mr. Cafferty stated that this project is a budgeted replacement of an existing dump truck that is 30 years old and failing, with the bed not properly functioning. He further stated that this vehicle will allow staff to more effectively and safely place safety cones and control traffic in working areas.

Mr. Cafferty stated that the new truck will meet dump truck needs and allow staff to safely install traffic control devices. He further stated that the 2019/20 budgeted cost was \$80,000 and the bid came in just under \$72,000.

Director Vergara stated that the fuel savings should be enough to pay for the new vehicle. Mr. Cafferty replied that it would definitely use less fuel.

President Monin asked what the District will do with the old truck. Mr. Cafferty replied that it would go to auction.

Director Havens asked if the new truck would come with safety equipment. Mr. Cafferty replied yes.

President Monin stated that he does not feel it is the appropriate time to purchase this truck, and feels that we should hold off. He further stated that he would like to see a Truck Master Plan for our District.

Director Freshley stated that she feels we should go ahead and replace the vehicle as the bed is not working properly and jeopardizes the safety of our employees.

Vice President Gaskins stated that he feels safety is a priority and feels that we should replace the truck now.

Director Havens asked if we have similar vehicles we can use in the meantime. Mr. Cafferty stated that we have other dump trucks that are larger, but this is the only small truck that is used for traffic control.

President Monin asked for a Motion.

Motion: Director Freshley made a Motion, seconded by Director Vergara to authorize the General Manager to 1) issue a purchase order to Tuttle Click Automotive Group in the amount of \$38,608.30 for the purchase of a Ford F550 truck chassis, and 2) issue a purchase order to Specialty Equipment in the amount of \$33,140.67 for the fabrication and installation of a truck body.

Roll Call Vote:

President Monin	no
Vice President Gaskins	aye
Director Vergara	aye
Director Freshley	aye
Director Havens	aye

Motion passes 4-1.

ADJOURNMENT

There being no further business to come before the Board, today's meeting was adjourned at 11:30 a.m.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

MARK L. MONIN, 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

El Toro Water District 401(k) Plan
First Quarter 2020



Keith Stribling, CFA
Vice President and Senior Portfolio Manager
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Economic and Market Commentary Second Quarter 2020

Market Overview: Global Pandemic Shakes Markets and Economies

By all accounts, the global economy was hitting its stride entering 2020. In the U.S., dovish monetary policy led to three rate cuts providing the economy room to extend its historically long run. German manufacturing data, a proxy for global trade, was inflecting upward and U.S. employment was as strong as it had been in decades with no signs of slowing down. Investors viewed a trade conflict ceasefire as the last remaining obstacle to be cleared before continuing to add risk. Equity markets had anticipated much of this good news as evidenced by strong 2019 returns that continued into the first seven weeks of 2020.

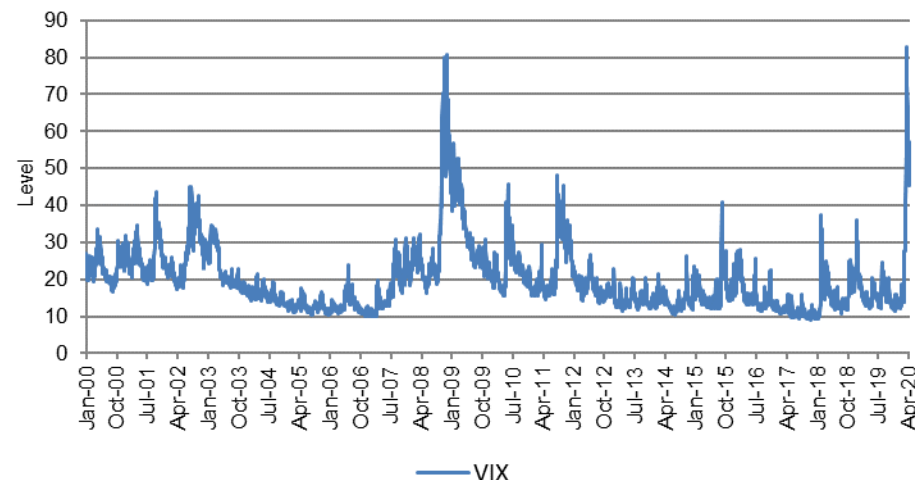
At the same time, little attention was paid to a growing concern in China about a mysterious and rapidly spreading illness. Even when China placed large portions of its population under quarantine orders in late January, investors dismissed the action as a blip on the radar screen. However, by the end of February, “coronavirus” was becoming a household term. The disease it causes, COVID-19, was formally declared a global pandemic by the World Health Organization on March 13.

The Black Swan Arrives

The economic and market ramifications of widespread government-mandated social distancing policies intended to prevent contagion were wide and deep. As soon as it became apparent that the problem would not be isolated to China, investors recalibrated to a new paradigm that included a temporary shutdown of major segments of the global economy. Investors raced to exit any asset deemed “risky” in a search for safety. The demand for “risk haven” U.S. Treasury bonds drove the 10-year Note’s yield down to 0.33% from a yield of 1.91% at the beginning of the year.

This extraordinary exogenous shock was like a record scratch of epic proportions for financial markets that were dancing to a very upbeat song. After hitting an all-time high on February 19, the S&P 500 index sold off into bear market territory at the fastest speed on record, and market volatility as measured by the CBOE Volatility Index (VIX), soared to levels that exceeded prior highs set during the Great Financial Crisis in 2008.

Market Volatility Surges to Highest Level Since 2008



Source: FactSet, CBOE

As the quarter ended, a relief rally on news that monetary and fiscal responses were being readied pared losses, but not enough to save the S&P 500’s quarterly return from being the worst since the 4th quarter of 2008 when the index declined by 22%.

Market Returns Summary

As of 3/31/2020	Q1 2020	YTD 2020	1-Year	3-Year	5-Year	10-Year
S&P 500	-19.6%	-19.6%	-7.0%	5.1%	6.7%	10.5%
MSCI EAFE	-22.8%	-22.8%	-14.4%	-1.8%	-0.6%	2.7%
MSCI Emerging Markets	-23.6%	-23.6%	-17.7%	-1.6%	-0.4%	0.7%
Bloomberg Barclays U.S. Aggregate Bond	3.1%	3.1%	8.9%	4.8%	3.4%	3.9%
ICE BofA ML U.S. Treasury Bills	0.6%	0.6%	2.4%	1.9%	1.2%	0.7%
Bloomberg Commodity	-23.3%	-23.3%	-22.3%	-8.6%	-7.8%	-6.7%

Source: Morningstar Direct

Periods greater than one year are annualized

The impact of the dramatic decline in business activity across the country was quickly apparent: several large companies announced they planned to save cash by suspending, delaying, or reducing corporate contributions to employee 401(k) plans¹ and the University of Michigan Consumer Sentiment Survey fell to 89 from 96 in February. According to Bloomberg, it was “the fourth largest one-month drop in nearly half a century” for the survey.

As companies shuttered their doors to prevent contagion, mass layoffs began. Unemployment claims soared to 3.3 million for the week ending March 21, a level four times higher than the prior record set in 1982². For the last two weeks of the quarter, initial unemployment claims totaled nearly 10 million—far surpassing anything witnessed over a two-week period during the Great Financial Crisis and the highest level of seasonally adjusted claims in the history of the series³.

The Department of Labor’s non-farm payroll report dropped by 701,000 in March, driving the unemployment rate up to 4.4% from 3.5% in February. It was the first decline in payrolls since September 2010. The survey, which is conducted mid-month, reported that two-thirds of the drop came from the hospitality industry. Final unemployment numbers for the quarter are expected to be even higher.

Policy Bazooka

As markets tumbled while state governments put social distancing measures in place, the Federal Reserve (Fed) and Congress responded by implementing a variety of market and economic relief measures intended to contain the economic fallout. It would be difficult to understate the size, speed and scope of the aid packages.

The Fed’s decision to cut short-term rates and restart quantitative easing was just the beginning. The Fed stated it is “committed to using its full range of tools to support households, businesses, and the U.S. economy overall in this challenging time.”⁴ New emergency stabilization monetary and fiscal measures included:

- Lowering the Fed Funds Rate by 150 basis points to 0-0.25% before its March 18 meeting.
- Expanding the scope of securities that the Fed will purchase under a resumption of Quantitative Easing⁵ to include agency commercial and residential mortgage-backed securities.
- Opening several lending facilities to support the flow of credit in the corporate, municipal and asset-backed lending markets.
- The announcement of a “Main Street Business Lending Program” to support lending to eligible small- and medium-sized businesses, complementing efforts by the Small Business Administration.
- A \$2 trillion fiscal stimulus package, also known as the “Coronavirus Aid, Relief, and Economic Security” or “CARES Act,” which provides aid for individuals and businesses impacted by the federal- and state-mandated social distancing measures.

As the quarter ended, there were indications that vigorous Fed interventions were restoring the flow of credit to large corporations as U.S. companies raised a record \$109 billion in public bond offerings⁶. This is a vital function as companies look to shore up their cash positions to weather the storm and fund operations amid falling revenue.

¹ Tergesen, Anne and Holger, Dieter. “Companies Hit Hard by Coronavirus Look to Cut 401(k) Contributions”, The Wall Street Journal, <https://www.wsj.com/articles/companies-hit-hard-by-coronavirus-look-to-cut-401-k-contributions-11585746000>

² Source: Federal Reserve Bank of St. Louis

³ Source: Department of Labor

⁴ Source: The Federal Reserve Board

⁵ Quantitative easing (QE) is a set of monetary policies that may be implemented by a central bank to increase the money supply in an economy. QE policies may include central-bank purchases of assets such as government bonds and other securities, direct lending programs, and programs designed to improve credit conditions. The goal of QE policies is to boost economic activity by providing liquidity to the financial system.

⁶ Source: Bloomberg

Pouring Oil On the Fire

In early March, on the heels of significantly dwindling demand for oil due to the COVID-19 pandemic, Saudi Arabia and Russia locked horns in a price war, flooding the market with cheap crude. As of quarter end, the combined effect of slumping demand and oversupply pushed crude oil prices to their lowest point in nearly two decades⁷.

The negative ramifications of oil priced at \$20 a barrel or below can be expected to extend far beyond stock prices for oil majors like Exxon or Chevron. The oil sector employs some 615,000 people in the U.S. with 600,000 of these jobs concentrated in Texas, Louisiana and the Midwest⁸. Many of these workers are employed by the several hundred privately-owned companies, often in rural areas, that manage from a few wells to a hundred or so.

The impact of these companies possibly failing will be particularly painful for local businesses and banks as oil field pay is generally higher than alternative jobs. Shutting down wells is also problematic—the process is expensive and can result in damage to the well, making resuming production problematic should prices return to long-term averages.

Bond markets are particularly vulnerable to the oil shock. Rock-bottom rates over the last few years encouraged oil and gas producers to leverage operations. It will be difficult to service and refinance this debt in the current environment.

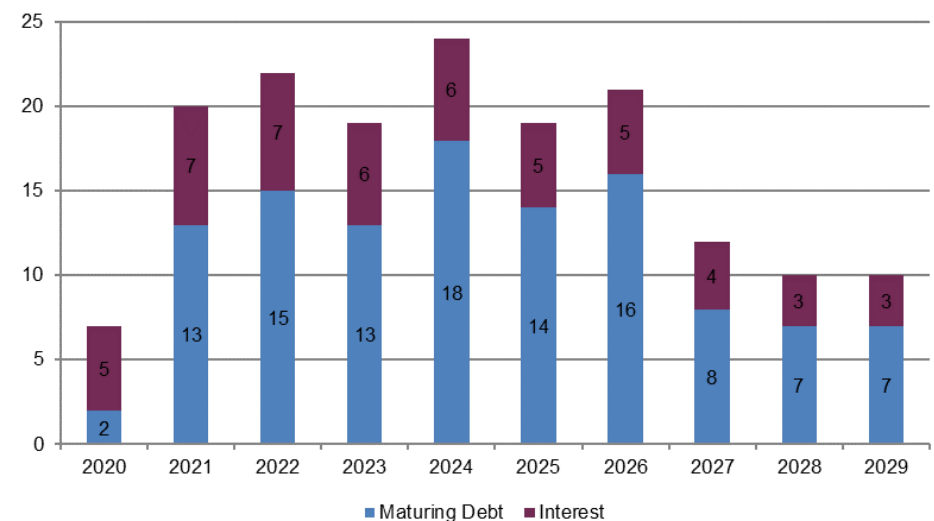
Moody's, the bond rating organization, calculates oil exploration and production companies have \$86 billion in debt that will mature in the next four years and pipeline companies hold another \$123 billion due over the same time period. The U.S. shale industry is in similar trouble: as shown in the chart to the right, a sample of 29 companies hold \$133 billion of debt and interest to be paid over the next six years.

It would not be surprising if domestic oil producers face a Darwinian struggle over the next few years as stronger companies with cleaner balance sheets and access to credit snap up oil production sites and firms mired in bankruptcy proceedings. Predictably, law firms specializing in bankruptcy protection are already seeing a flood of new business.

⁷ Source: FactSet

⁸ 2020 U.S. Energy and Employment Report, National Association of State Energy Officials, www.usenergyjobs.org

US Shale E&P Debt and Interest by Maturity (29 companies)
\$ Billions



Source: Rystad Energy, COVID-19 Report, 4th edition, April 1, 2020

No Room at the Inn

As Saudi Arabia doubles down on its confrontation with Russia, increasing production by three million barrels a day, loaded tankers left port in late March headed for Europe and the U.S. According to Bloomberg, another 16 very large crude carriers are waiting to load at Saudi oil terminals.

Their journey may be one that ends in anchorages off the coast because the world is running out of places to store oil. Already, more than 80 tankers are anchored off the coasts of Scotland and Texas among other ports⁹. In Western Canada, storage

⁹ Source: Alexander Booth, Kpler as quoted in Bloomberg

levels have hit 75% with more oil on the way¹⁰. “For the first time in history we are seeing the likelihood that the market will test storage capacity limits within the near future,” according to Antoine Haiff of the research firm Kayrros.

If tank farms approach capacity, and demand continues to decline due to COVID-19, oil prices may see continued downward pressure.

Cutting off a Nose to Spite a Face

Despite pressure from the U.S. government to shake hands and make a deal, Russia and the Saudis show no signs of declaring a truce, although crude prices strengthened just after quarter-end when the Saudis called for an emergency meeting of OPEC plus Russia. Russia’s refusal to go along with OPEC’s request to cut production could well be part of a larger plan to both cripple the U.S. shale industry—which recently helped the U.S. become the world’s largest producer—and to drive a wedge between the U.S. and the Saudi regime.

The U.S./Saudi relationship, reliant on both oil supply and security agreements, dates back to the 1930s but has been under increasing strain since the Twin Towers attack of September 2001. As Russia seeks to expand its sphere of influence in the Middle East, creating tensions between the two countries may be part of a longer-term strategy.

Russia might choose to extend its current approach for some time. Saudi Arabia’s fiscal break-even cost, or the oil price at which a country’s fiscal balance is \$0, is around \$84¹¹ a barrel. While the Saudis have begun modernizing their country’s economy away from oil, they have a long way to go. Russia’s command and control economy may be able to weather the storm, however, having lowered the country’s fiscal break-even cost from around \$100 a barrel in 2014 to \$40 a barrel today.

Looking Ahead

Without a doubt, the coronavirus health crisis has pushed the global economy into a deep downturn and markets are reacting unfavorably. The path forward is highly

uncertain and will likely be beset by negative economic data flow for the foreseeable future. Virus fears and quarantine measures are creating a massive global demand shock and there will be corresponding second-order effects amplified by global trade and the global nature of the financial system. Discretionary spending, tourism, exports, and manufacturing will all come under severe pressure.

Given the unprecedented collapse in demand associated with shutting down large parts of the economy, a key question is how deep the recession will get and how long it will last. These are difficult questions to answer without data indicating the full scope of the economic fallout of social distancing. A sudden onset of extreme economic constraints makes traditional analysis of data trends virtually useless. With this in mind, we expect overall financial market volatility to persist as investors search for a vector on the trajectory of the economy.

However, pent-up demand and forceful policy stimulus measures could yield a decent rebound in global growth later in the year. The recovery will likely be mild and uneven, and the economy will take time to heal back to its prior potential. Markets tend to rebound months in advance of an actual recovery in the economy, anticipating better times ahead, before showing up in economic data.

No accurate line of sight on the economy will be possible without a foreseeable end to the health crisis. To this end, investors should accept this reality as a “known unknown” while also remaining confident in the resilience, ingenuity and innovation of humankind. Our job is to evaluate near-term risks while assessing long-term opportunities presenting themselves in the face of events currently exacting a tragic human and economic cost on society.

Seeing an Endgame in View

Unlike the deep and rapid downturns in the past, such as the 1930’s Great Depression and 2008’s Great Financial Crisis, this crisis has an endgame in the not-too-distant future—hiding in plain sight—which provides some much-needed optimism. Social distancing measures combined with warmer spring temperatures could cause the virus to have a harder time spreading. The unprecedented collaboration from the healthcare industry, governments, universities, and nonprofits all banding together to deliver effective solutions in the areas of containment, treatment and ultimately vaccines to stem the pandemic is a heartening development.

¹⁰ Source: Rystad Energy

¹¹ Source: International Monetary Fund projections for 2020

It's human nature to focus on the recent cascade of bad developments, but we need to have faith in a brighter future. We are only limited by the size of our collective imagination.

Our investment process focuses on asset classes through the lenses of valuations, economic fundamentals and technical indicators, but also includes the identification of specific catalysts related to the underlying factors driving markets that would suggest the worst is behind us. For example, a peak in infection growth rates or a medical breakthrough leading to an effective therapy or vaccine could turn the tide of sentiment. Unprecedented globally-coordinated policy responses have already put a significant stake in the ground to soothe concerns about dire economic scenarios becoming reality.

Often the best returns come in the darkest hour when anxiety and uncertainty are high and volatility is at an extreme. Markets are ultimately able to see through the bad times today to better times ahead, especially during a transitory risk like a virus outbreak. Eventually investors will overlook the 2020 economic and corporate profits recession and price the market on the future recovery in 2021 and beyond.

Today we are in uncharted territory, and violent market swings are emblematic of this uncertainty. However, we remain optimistic on the long-term outlook for the economy and markets and believe the world will be in a better place a year or two from now. We should never underestimate the resiliency of human nature, the ability to adapt and to ultimately overcome difficult times. Like other sudden and unexpected events of the past, this too shall pass—we will prevail.

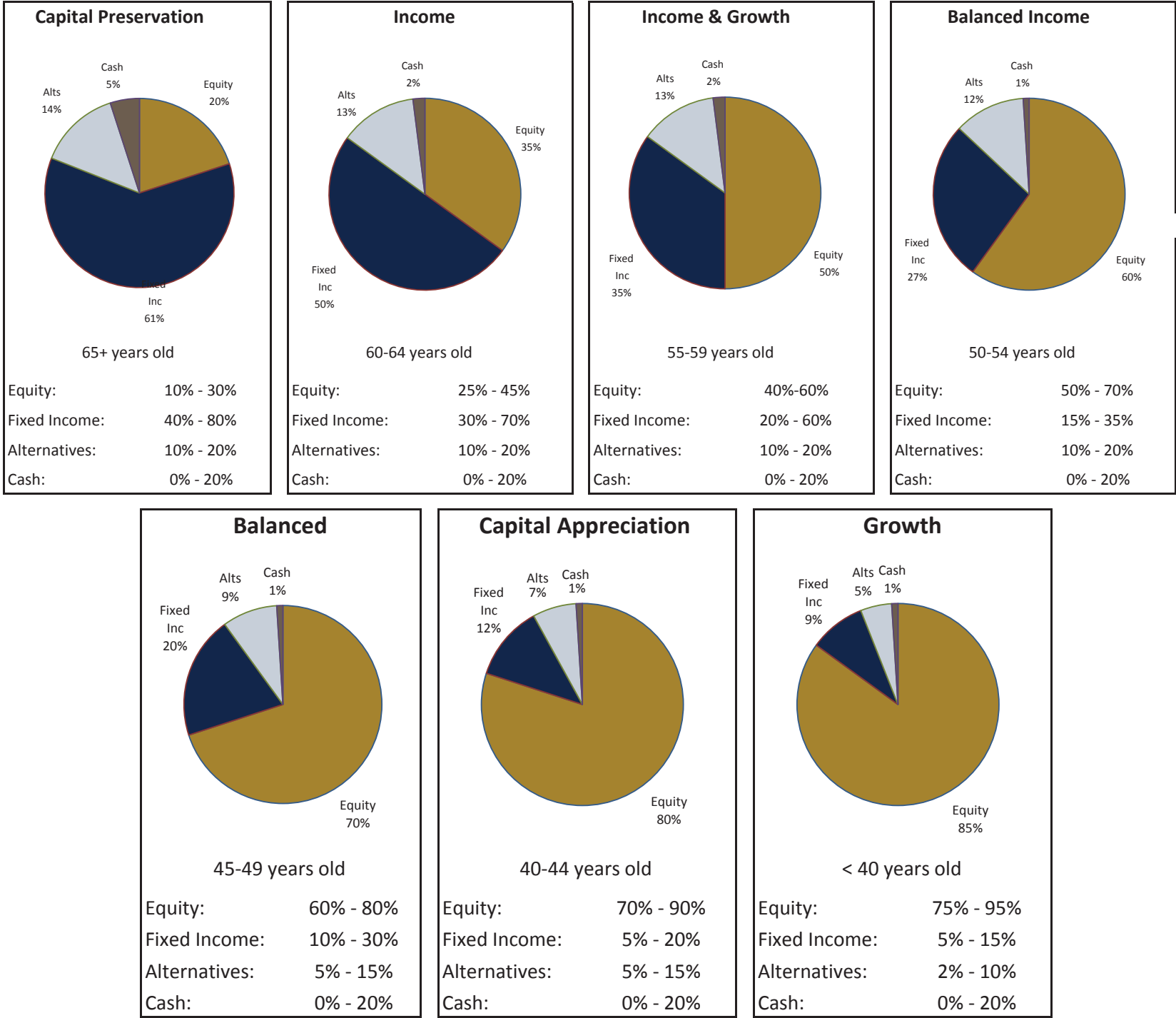
Economic and Market Perspectives Q2 2020

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INVESTMENT POOLS - ASSET ALLOCATION

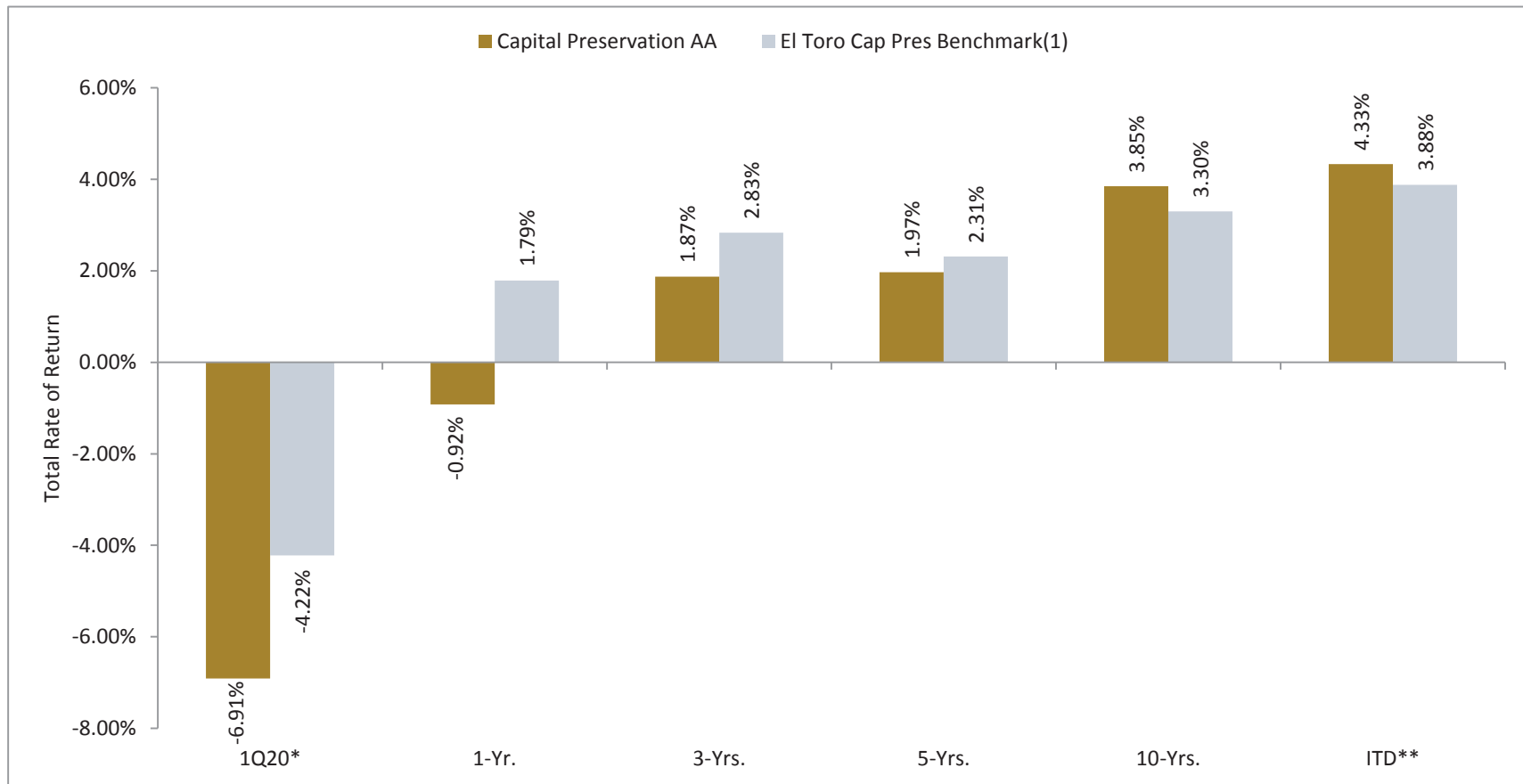
El Toro Water District - 401(k) Plan



INVESTMENT RETURNS - CAPITAL PRESERVATION PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of March 31, 2020



*Returns for periods under one year are not annualized

**Inception date: January 2006

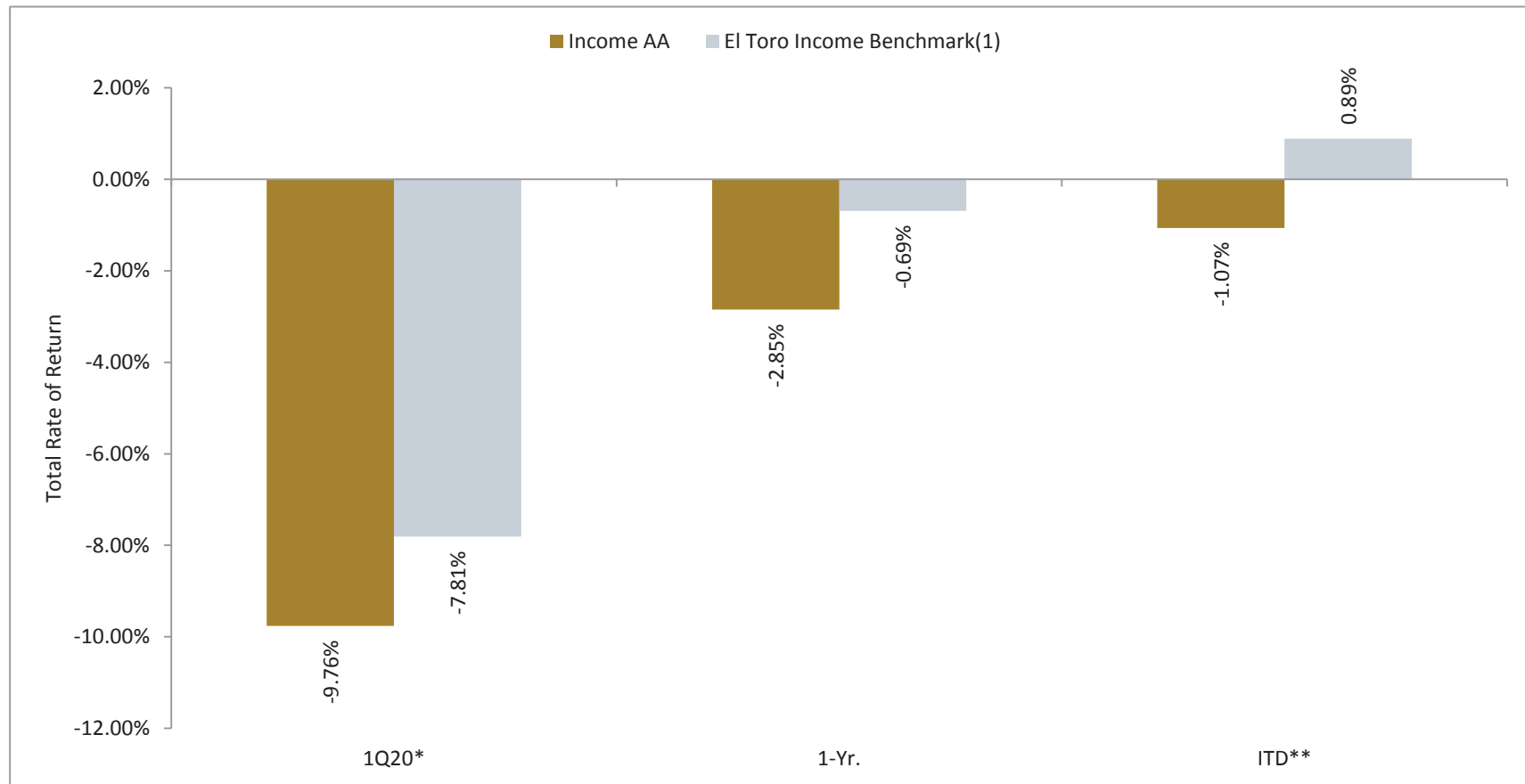
(1) El Toro Cap Pres Benchmark: 12% S&P 500, 2% Russell MidCap, 2% Russell 2000, 3% MSCI EAFE, 1% MSCI Emerging Markets, 44% Barclays US Aggregate Bond, 17% Barclays 1-3 Year Government/Credit Bond, 14% Wilshire Liquid Alternatives, 5% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - INCOME PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of March 31, 2020



*Returns for periods under one year are not annualized

**Inception date: August 2018

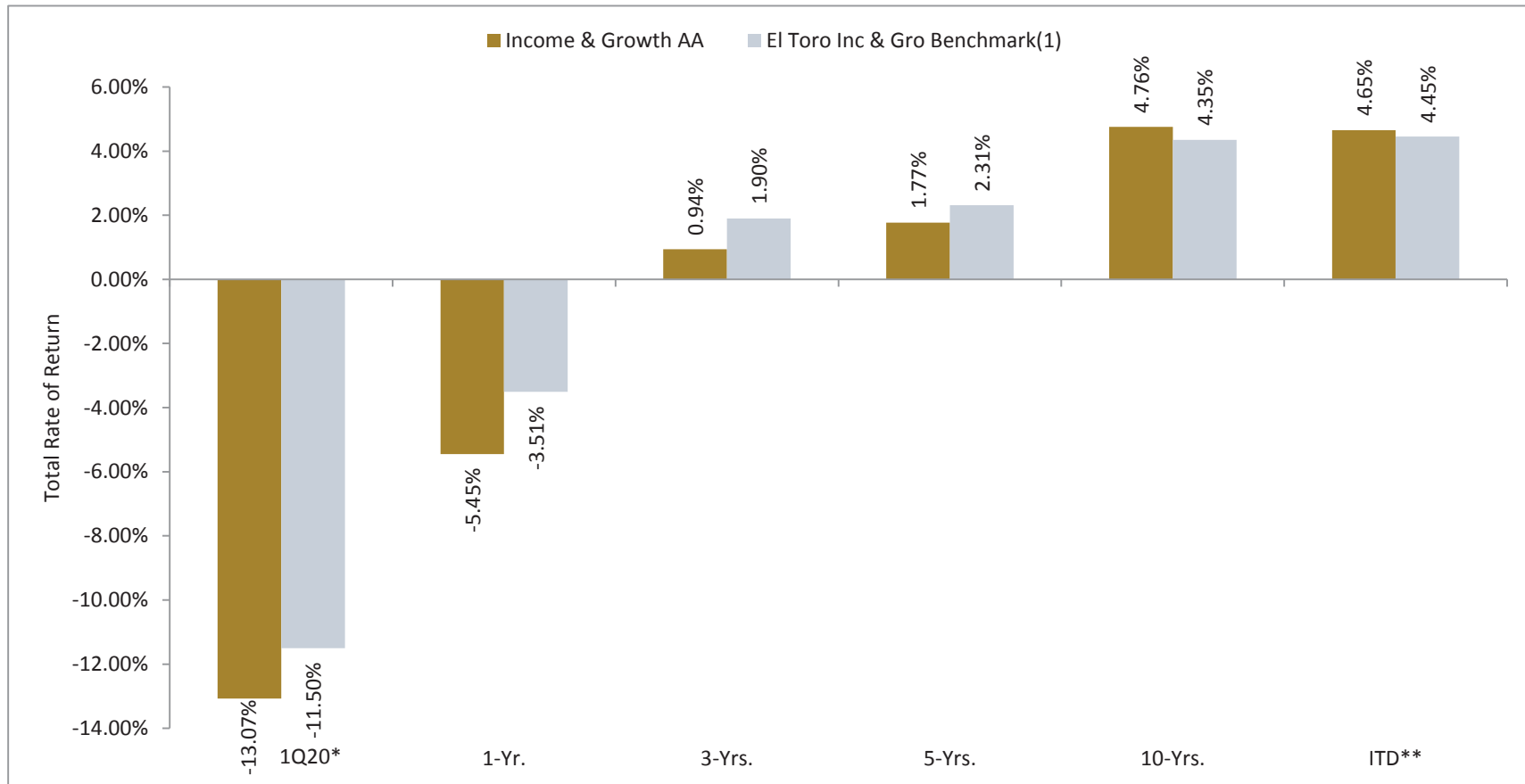
(1) El Toro Income Benchmark: 21% S&P 500, 3% Russell MidCap, 3% Russell 2000, 6% MSCI EAFE, 2% MSCI Emerging Market, 36% Barclays US Aggregate Bond, 14% Barclays 1-3 Year Government/Credit Bond, 13% Wilshire Liquid Alternatives, 2% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - INCOME & GROWTH PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of March 31, 2020



*Returns for periods under one year are not annualized

**Inception date: January 2006

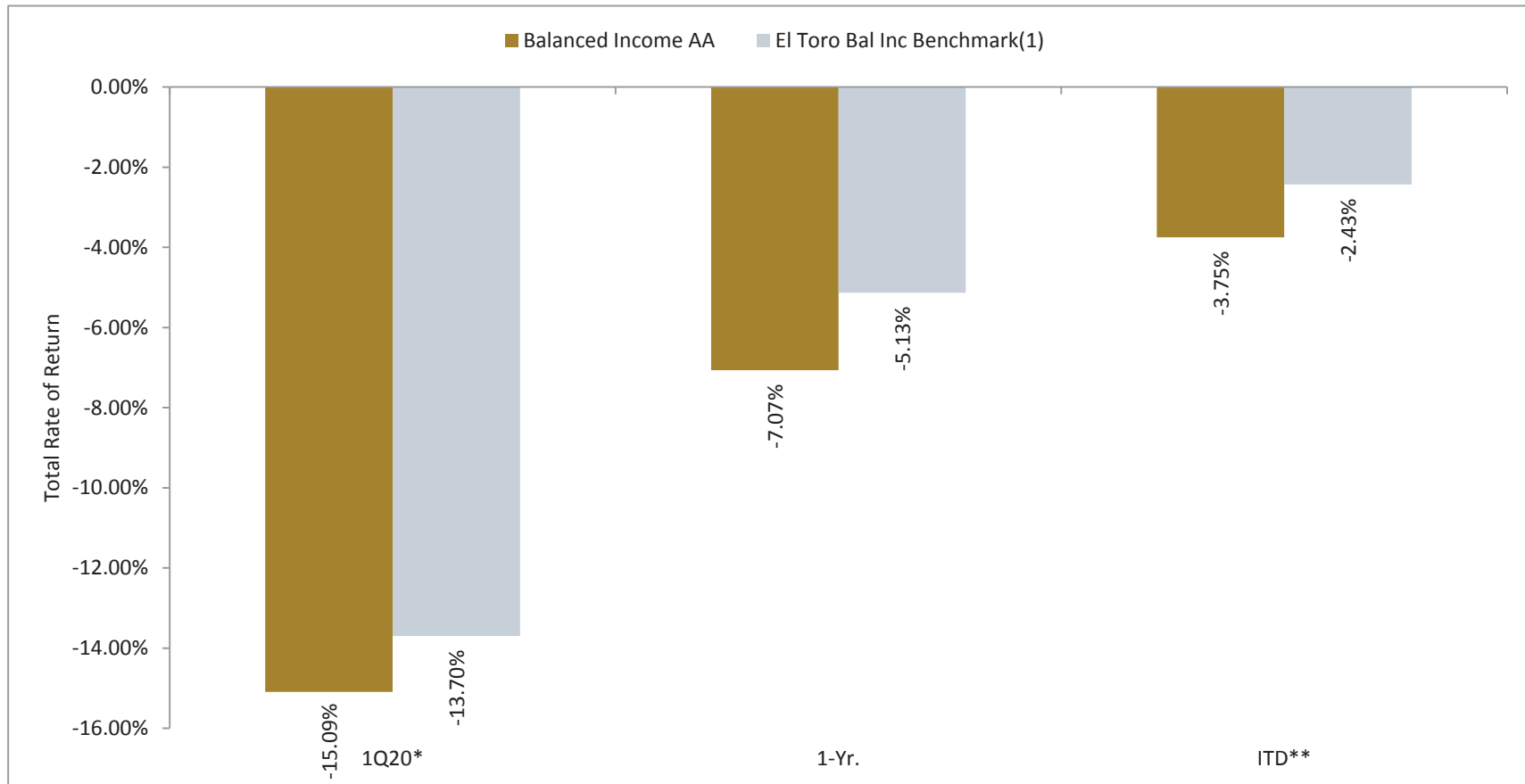
(1) El Toro Inc & Gro Benchmark: 30% S&P 500, 4% Russell MidCap, 4% Russell 2000, 9% MSCI EAFE, 3% MSCI Emerging Market, 25% Barclays US Aggregate Bond, 10% Barclays 1-3 Year Government/Credit Bond, 13% Wilshire Liquid Alternatives, 2% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - BALANCED INCOME PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of March 31, 2020



*Returns for periods under one year are not annualized

**Inception date: August 2018

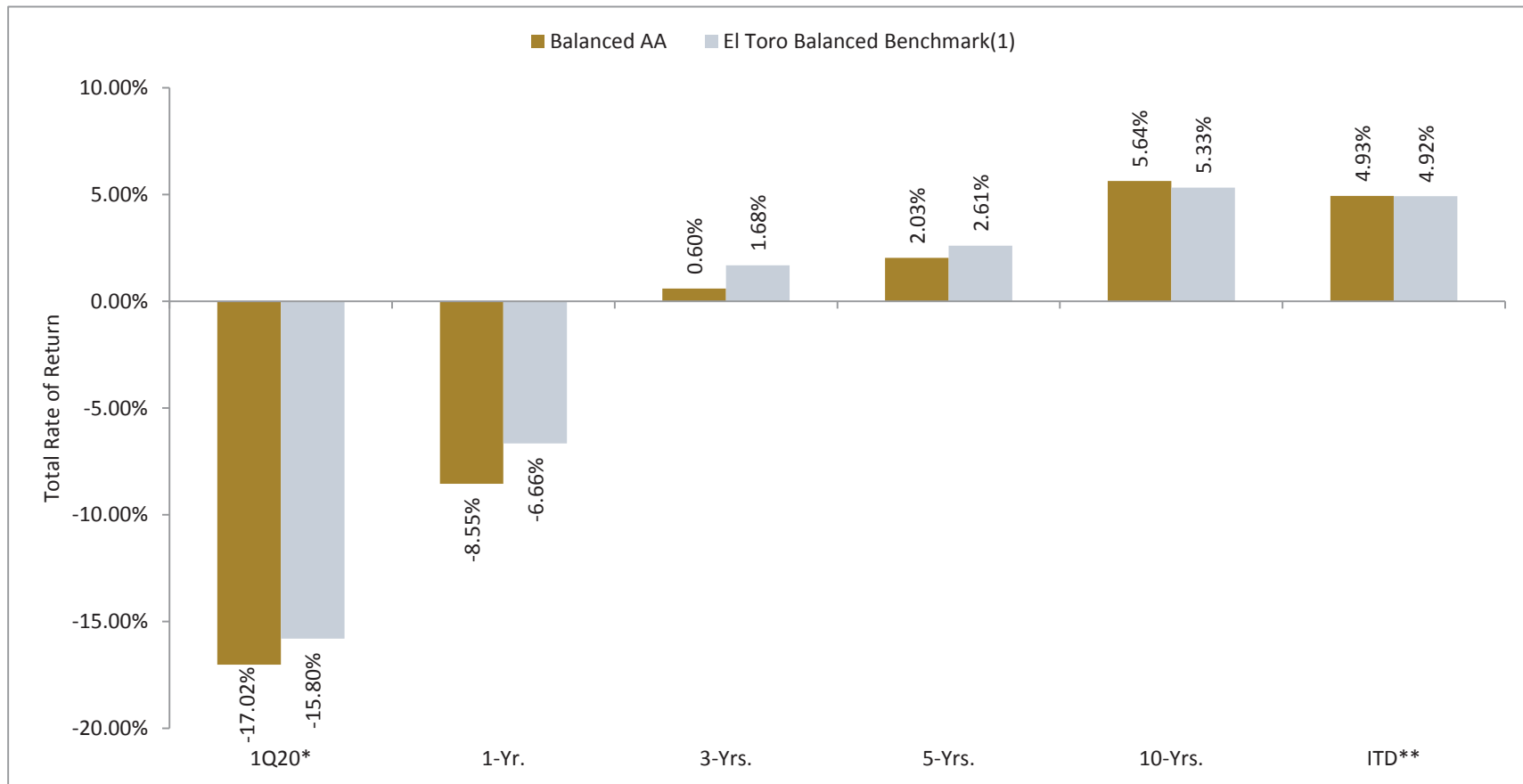
(1) El Toro Bal Inc Benchmark: 36% S&P 500, 4% Russell MidCap, 4% Russell 2000, 12% MSCI EAFE, 4% MSCI Emerging Market, 19% Barclays US Aggregate Bond, 8% Barclays 1-3 Year Government/Credit Bond, 12% Wilshire Liquid Alternatives, 1% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - BALANCED PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of March 31, 2020



*Returns for periods under one year are not annualized

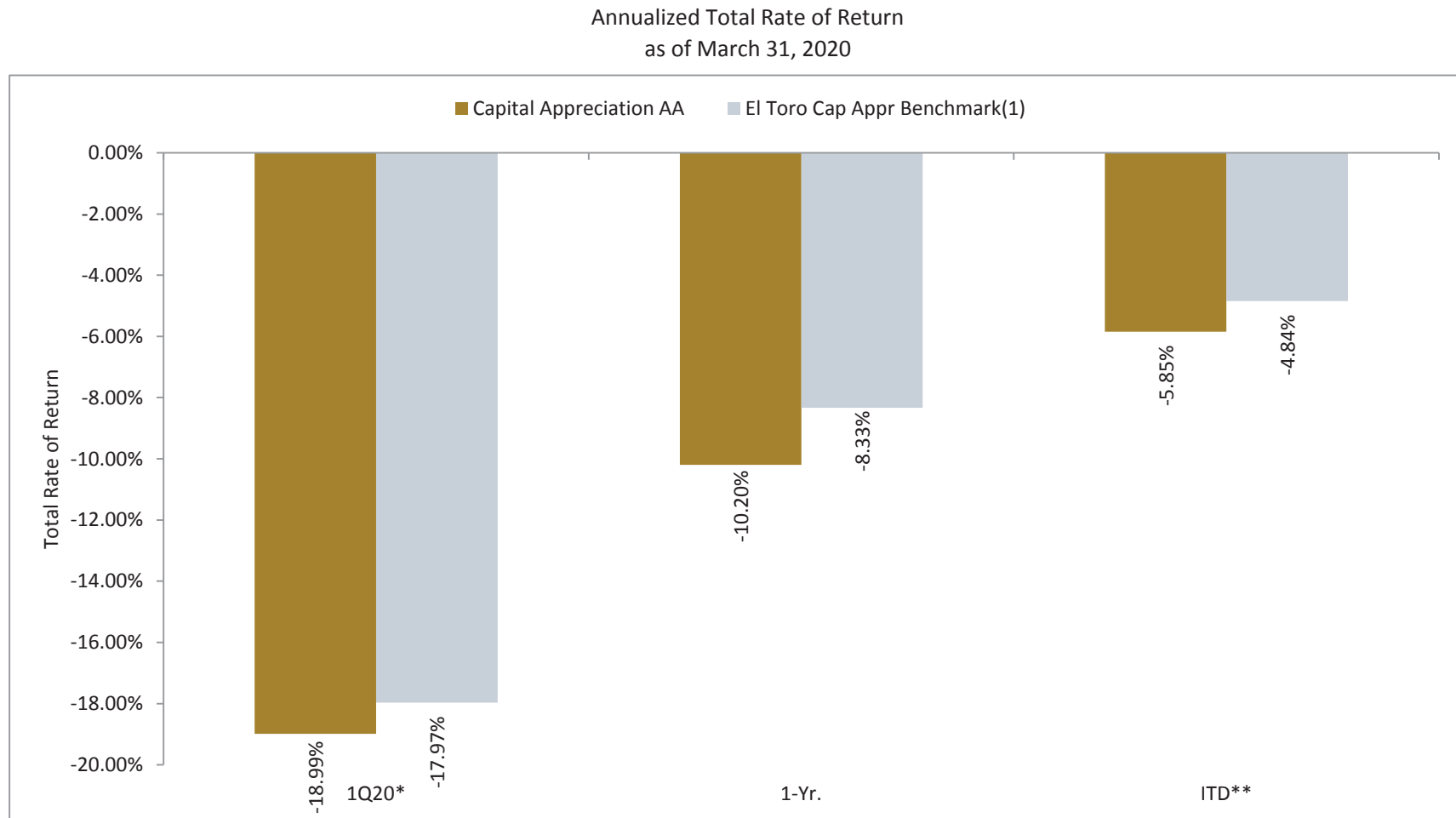
**Inception date: January 2006

(1) El Toro Balanced Benchmark: 42% S&P 500, 5% Russell MidCap, 5% Russell 2000, 14% MSCI EAFE, 4% MSCI Emerging Market, 14% Barclays US Aggregate Bond, 6% Barclays 1-3 Year Government/Credit Bond, 9% Wilshire Liquid Alternatives, 1% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - CAPITAL APPRECIATION PORTFOLIO

El Toro Water District - 401(k) Plan



*Returns for periods under one year are not annualized

**Inception date: August 2018

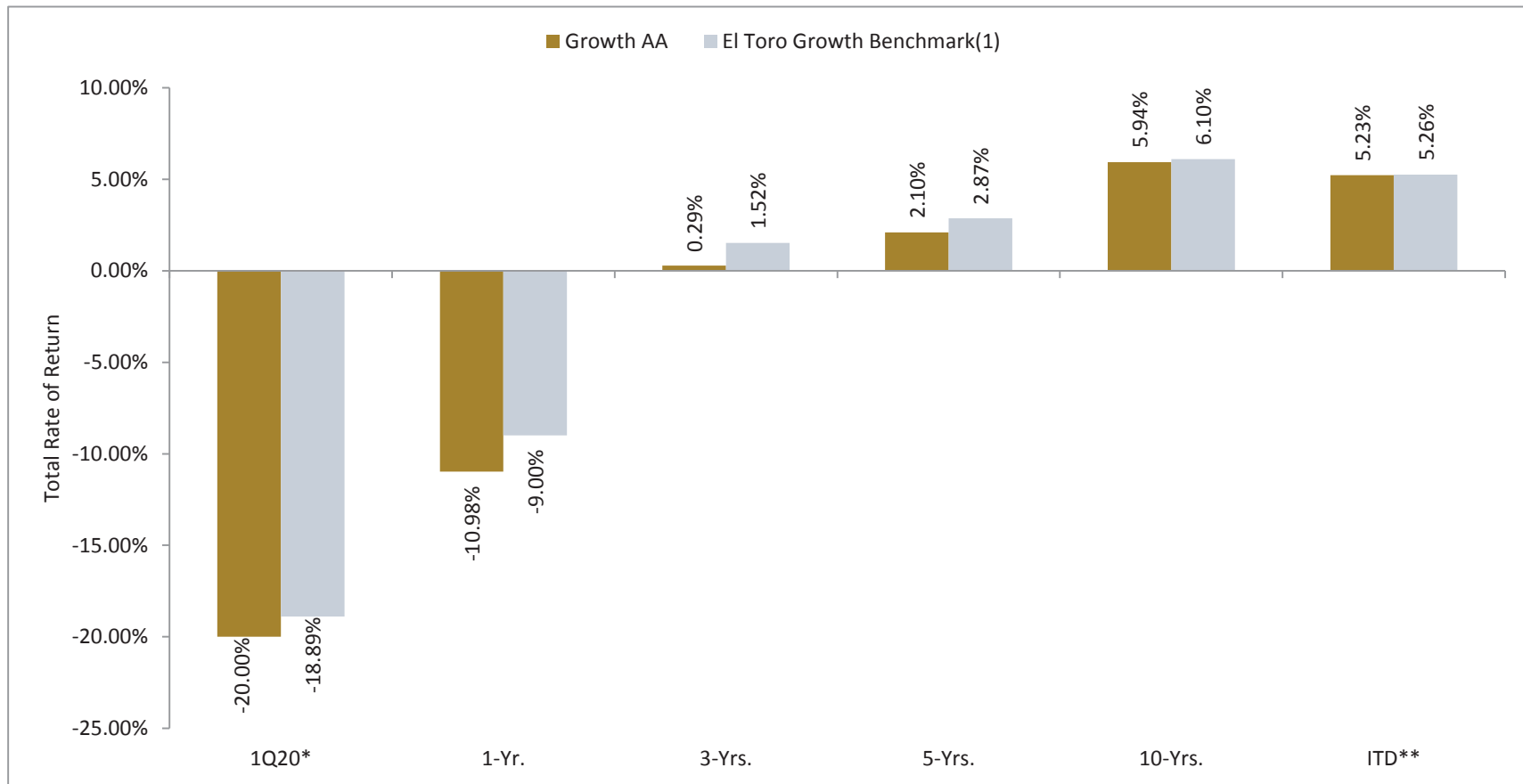
(1) El Toro Cap Appr Benchmark: 48% S&P 500, 6% Russell MidCap, 6% Russell 2000, 16% MSCI EAFE, 4% MSCI Emerging Market, 8% Barclays US Aggregate Bond, 4% Barclays 1-3 year Government/Credit, 7% Wilshire Liquid Alternatives, 1% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - GROWTH PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of March 31, 2020



*Returns for periods under one year are not annualized

**Inception date: January 2006

(1) El Toro Growth Benchmark: 51% S&P 500, 6% Russell MidCap, 6% Russell 2000, 17% MSCI EAFE, 5% MSCI Emerging Market, 6% Barclays US Aggregate Bond, 3% Barclays 1-3 year Government/Credit, 5% Wilshire Liquid Alternatives, 1% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - FIXED INCOME FUNDS

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return (%) as of 03/31/2020

Ticker	Name	MStar Rating*	3-Mos.**	YTD**	1-Yr.	3-Yrs.	5-Yrs.	10-Yrs.
Short-Term Bond								
VFSUX	Vanguard Short-Term Investment-Grade Adm	4	-1.50	-1.50	2.03	2.16	2.04	2.40
Intermediate-Term Bond								
DODIX	Dodge & Cox Income	4	-0.70	-0.70	5.08	3.86	3.28	4.12
DBLFX	DoubleLine Core Fixed Income I	2	-3.29	-3.29	1.42	2.54	2.35	-
PTTRX	PIMCO Total Return Instl	4	2.19	2.19	7.64	4.51	3.24	4.11
PTRQX	PGIM Total Return Bond R6	4	-2.84	-2.84	3.80	3.98	3.28	4.86

*Morningstar overall rating

**Returns for periods under one year are not annualized

Returns are shown net of embedded expense ratios

Source: Morningstar Direct

INVESTMENT RETURNS - EQUITY FUNDS

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return (%) as of 03/31/2020

Ticker	Name	MStar Rating*	3-Mos.**	YTD**	1-Yr.	3-Yrs.	5-Yrs.	10-Yrs.
Large Blend								
COFYX	Columbia Contrarian Core Inst3	4	-18.19	-18.19	-4.68	4.24	6.06	10.47
VGIAX	Vanguard Growth & Income Adm	4	-20.37	-20.37	-8.81	4.19	6.05	10.39
Large Value								
DODGX	Dodge & Cox Stock	3	-29.16	-29.16	-19.82	-2.52	2.65	8.09
PKAIX	PIMCO RAE US InstI	3	-27.87	-27.87	-19.14	-1.95	-	-
IVE	iShares S&P 500 Value ETF	4	-25.34	-25.34	-12.34	-0.09	3.29	8.01
Large Growth								
HNACX	Harbor Capital Appreciation Retirement	4	-11.80	-11.80	0.06	12.90	10.63	12.84
LSITX	ClearBridge Large Cap Growth IS	4	-15.00	-15.00	-2.92	9.86	9.94	12.37
Mid Blend								
VO	Vanguard Mid-Cap ETF	5	-25.74	-25.74	-16.66	-0.26	2.08	8.86
Small Blend								
DCZRX	Delaware Small Cap Core R6	5	-27.61	-27.61	-20.38	-3.05	1.04	8.79
VB	Vanguard Small-Cap ETF	5	-30.08	-30.08	-23.35	-3.27	0.42	7.84

*Morningstar overall rating

**Returns for periods under one year are not annualized

Returns are shown net of embedded expense ratios

Source: Morningstar Direct

INVESTMENT RETURNS - EQUITY FUNDS

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return (%) as of 03/31/2020

Ticker	Name	MStar Rating*	3-Mos.**	YTD**	1-Yr.	3-Yrs.	5-Yrs.	10-Yrs.
Small Growth								
RSEJX	Victory RS Small Cap Growth R6	4	-24.03	-24.03	-14.42	6.02	4.13	11.11
VBK	Vanguard Small-Cap Growth ETF	3	-24.21	-24.21	-15.81	2.95	3.28	9.58
Small Cap Value								
UBVFX	Undiscovered Managers Behavioral Val R6	3	-40.82	-40.82	-35.97	-11.71	-3.26	6.21
Foreign Large Value								
DODFX	Dodge & Cox International Stock	3	-30.50	-30.50	-22.28	-7.42	-4.39	1.61
Foreign Large Blend								
DFALX	DFA Large Cap International I	3	-24.43	-24.43	-16.53	-2.61	-0.93	2.38
HEFA	iShares Currency Hedged MSCI EAFE ETF	5	-20.65	-20.65	-11.51	-0.21	1.00	-
Foreign Large Growth								
MGRDX	MFS International Growth R6	4	-18.65	-18.65	-8.03	5.04	4.21	5.42
Diversified Emerging Markets								
HHHFX	Hartford Schroders Emerging Mkts Eq F	4	-23.22	-23.22	-15.03	-0.14	0.95	1.38

*Morningstar overall rating

**Returns for periods under one year are not annualized

Returns are shown net of embedded expense ratios

Source: Morningstar Direct

INVESTMENT RETURNS - ALTERNATIVE FUNDS

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return (%) as of 03/31/2020

Ticker	Name	MStar Rating*	3-Mos.**	YTD**	1-Yr.	3-Yrs.	5-Yrs.	10-Yrs.
Market Neutral								
QMNIX	AQR Equity Market Neutral I	2	-5.54	-5.54	-14.36	-8.09	-1.02	-
BSIKX	BlackRock Strategic Income Opps K	4	-5.83	-5.83	-0.94	1.49	1.54	3.50
BILPX	BlackRock Event Driven Equity Instl	4	-5.06	-5.06	-0.38	3.57	3.61	8.41
Managed Futures								
AQMIX	AQR Managed Futures Strategy I	2	3.25	3.25	4.49	-1.39	-3.96	0.88
AMFNX	Natixis ASG Managed Futures Strategy N	3	7.15	7.15	13.94	2.63	-1.91	-
Merger Arbitrage								
ARBNX	Arbitrage I	4	-2.77	-2.77	0.04	1.69	1.89	1.85
Global Macro								
EGRSX	Eaton Vance Gbl Macro Abs Ret Advtg R6	3	-10.22	-10.22	0.61	-0.82	1.41	-
LAOSX	Western Asset Macro Opportunities IS	4	-14.21	-14.21	-4.33	1.45	2.75	-
Fund of Hedge Funds								
BXMIX	Blackstone Alternative Multi-Strategy I	3	-14.79	-14.79	-12.32	-2.44	-0.55	-
QSPIX	AQR Style Premia Alternative I	2	-8.10	-8.10	-15.44	-6.42	-1.65	-
REITs								
ICF	iShares Cohen & Steers REIT ETF	4	-21.14	-21.14	-15.40	0.10	1.33	8.23

*Morningstar overall rating

**Returns for periods under one year are not annualized

Returns are shown net of embedded expense ratios

Source: Morningstar Direct

El Toro Water District - 401(k) Plan

Returns are shown net of embedded expense ratios. Mstar Rnkg - Fund's ranking within Morningstar's category ("Peer Group"). Funds are ranked in descending order by return. For example, a Fund with a 20 ranking indicates that it is ranked in the top 20th percentile. Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

INVESTMENT RETURNS & RANKINGS - EQUITY FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 03/31/2020																						
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**		YTD**			1-Year			3-Years			5-Years			10-Years			3 Yr Shrp%	3 Yr SD	Lipper Category	
				Tot ROR	Rnkg	Mstar Rnkg	Lipper Rnkg	Tot ROR	Rnkg	Lipper Rnkg	Tot ROR	Rnkg	Lipper Rnkg	Tot ROR	Rnkg	Lipper Rnkg	Tot ROR	Rnkg	Lipper Rnkg	Tot ROR				Rnkg
Large Blend																								
COFYX	Columbia Contrarian Core Inst3	0.64	4	-18.19	16	22	-18.19	16	17	-4.68	9	17	4.24	36	44	6.06	29	30	10.47	9	n.a.	0.24	15.30	Lipper Large-Cap Core Funds
VGIAX	Vanguard Growth & Income Adm	0.23	4	-20.37	52	63	-20.37	52	58	-8.81	48	58	4.19	38	46	6.05	29	29	10.39	13	16	0.23	15.44	Lipper Large-Cap Core Funds
Peer Group	US Fund Large Blend			-20.92			-20.92			-9.97			2.80			4.46			8.84			0.16	15.73	
Index	Russell 1000 TR USD			-20.22			-20.22			-8.03			4.64			6.22			10.39			0.26	15.54	
Index	S&P 500 TR USD			-19.60			-19.60			-6.98			5.10			6.73			10.53			0.29	15.21	
Large Value																								
DODGX	Dodge & Cox Stock	0.52	3	-29.16	74	75	-29.16	74	76	-19.82	68	76	-2.52	58	63	2.65	29	24	8.09	22	21	-0.13	18.64	Lipper Large-Cap Value Funds
PKAIX	PIMCO RAE US Instl	0.40	3	-27.87	64	44	-27.87	64	41	-19.14	64	41	-1.95	49	21	-	-	n.a.	-	-	n.a.	-0.12	17.67	Lipper Large-Cap Core Funds
IVE	iShares S&P 500 Value ETF	0.18	4	-25.34	37	35	-25.34	37	8	-12.34	13	8	-0.09	27	23	3.29	19	16	8.01	25	23	-0.03	16.89	Lipper Large-Cap Value Funds
Peer Group	US Fund Large Value			-26.77			-26.77			-17.73			-2.11			1.42			6.89			-0.13	17.04	
Index	Russell 1000 Value TR USD			-26.73			-26.73			-17.17			-2.18			1.90			7.67			-0.15	16.79	
Large Growth																								
HNACX	Harbor Capital Appreciation Retirement	0.58	4	-11.80	15	18	-11.80	15	39	0.06	26	39	12.90	14	18	10.63	15	n.a.	12.84	16	n.a.	0.70	16.97	Lipper Large-Cap Growth Funds
LSITX	ClearBridge Large Cap Growth IS	0.63	4	-15.00	51	74	-15.00	51	74	-2.92	51	74	9.86	40	61	9.94	24	33	12.37	26	n.a.	0.58	15.15	Lipper Large-Cap Growth Funds
Peer Group	US Fund Large Growth			-15.48			-15.48			-3.72			8.65			7.64			10.99			0.49	16.10	
Index	Russell 1000 Growth TR USD			-14.10			-14.10			0.91			11.32			10.36			12.97			0.66	15.40	
Mid Core																								
VO	Vanguard Mid-Cap ETF	0.04	5	-25.74	24	21	-25.74	24	13	-16.66	20	13	-0.26	13	9	2.08	12	11	8.86	8	8	-0.02	17.84	Lipper Mid-Cap Core Funds
Peer Group	US Fund Mid-Cap Blend			-28.28			-28.28			-20.69			-3.71			-0.58			6.60			-0.19	19.01	
Index	Russell Mid Cap TR USD			-27.07			-27.07			-18.31			-0.81			1.85			8.77			-0.05	18.31	

*Morningstar overall rating

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Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

INVESTMENT RETURNS & RANKINGS - EQUITY FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 03/31/2020																										
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**			YTD**			1-Year			3-Years			5-Years			10-Years			3 Yr Shrp%	3 Yr SD	Lipper Category				
				Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg							
Small Value																												
UBVFX	Undiscovered Managers Behavioral Val R6	0.8	3	-40.82	84	96	-40.82	84	97	-35.97	79	97	-11.71	63	94	-3.26	30	69	6.21	5	n.a.	-0.41	25.84	Lipper Small-Cap Value Funds				
Peer Group	US Fund Small Value			-36.89			-36.89			-31.64			-11.15			-4.27			3.93			-0.45	23.48					
Index	Russell 2000 Value TR USD			-35.66			-35.66			-29.64			-9.51			-2.42			4.79			-0.41	22.39					
Small Blend																												
DCZRX	Delaware Small Cap Core R6	0.72	5	-27.61	9	9	-27.61	9	10	-20.38	9	10	-3.05	8	9	1.04	9	n.a.	8.79	1	n.a.	-0.13	20.54	Lipper Small-Cap Core Funds				
VB	Vanguard Small-Cap ETF	0.05	5	-30.08	21	20	-30.08	21	24	-23.35	21	24	-3.27	10	11	0.42	14	14	7.84	8	8	-0.14	20.53	Lipper Small-Cap Core Funds				
Peer Group	US Fund Small Blend			-32.37			-32.37			-26.41			-6.82			-1.76			5.96			-0.29	21.66					
Index	Russell 2000 TR USD			-30.61			-30.61			-23.99			-4.64			-0.25			6.90			-0.20	21.20					
Small Growth																												
RSEJX	Victory RS Small Cap Growth R6	1.06	4	-24.03	45	51	-24.03	45	51	-14.42	29	33	6.02	23	n.a.	4.13	31	n.a.	11.11	13	n.a.	0.30	21.42	Lipper Small-Cap Growth Funds				
VBK	Vanguard Small-Cap Growth ETF	0.07	3	-24.21	48	54	-24.21	48	54	-15.81	37	41	2.95	39	43	3.28	43	44	9.58	40	44	0.16	19.66	Lipper Small-Cap Growth Funds				
Peer Group	US Fund Small Growth			-24.59			-24.59			-17.66			1.69			2.77			8.81			0.10	20.86					
Index	Russell 2000 Growth TR USD			-25.76			-25.76			-18.58			0.10			1.70			8.89			0.03	20.74					

*Morningstar overall rating

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Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

INVESTMENT RETURNS & RANKINGS - EQUITY FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 03/31/2020																						Lipper Category
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**			YTD**			1-Year			3-Years			5-Years			10-Years			3 Yr Shrp%	3 Yr SD	
				Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg			
Foreign Large Blend																								
DFALX	DFA Large Cap International I	0.23	3	-24.43	68	61	-24.43	68	54	-16.53	65	54	-2.61	57	45	-0.93	48	37	2.38	44	37	-0.20	15.51	Lipper International Large-Cap Core
HEFA	iShares Currency Hedged MSCI EAFE ETF	0.03	5	-20.65	16	11	-20.65	16	14	-11.51	15	14	-0.21	12	5	1.00	8	3	-	-	n.a.	-0.08	13.34	Lipper International Multi-Cap Core
Peer Group	US Fund Foreign Large Blend			-23.39			-23.39			-15.67			-2.74			-1.14			2.15			-0.21	15.33	
Peer Group	US Fund Europe Stock			-24.77			-24.77			-15.33			-2.99			-1.11			2.53			-0.20	16.60	
Index	MSCI EAFE NR USD			-22.83			-22.83			-14.38			-1.82			-0.62			2.72			-0.17	14.58	
Index	MSCI ACWI Ex USA NR USD			-23.36			-23.36			-15.57			-1.96			-0.64			2.05			-0.17	15.15	
Foreign Large Value																								
DODFX	Dodge & Cox International Stock	0.63	3	-30.50	76	97	-30.50	76	87	-22.28	59	87	-7.42	74	96	-4.39	79	84	1.61	31	55	-0.40	18.98	Lipper International Large-Cap Growth
Peer Group	US Fund Foreign Large Value			-27.33			-27.33			-21.18			-6.02			-3.32			0.86			-0.39	16.51	
Index	MSCI EAFE Value NR USD			-28.20			-28.20			-22.76			-6.65			-3.83			0.62			-0.43	16.69	
Index	MSCI ACWI Ex USA Value NR USD			-28.55			-28.55			-23.68			-6.48			-3.50			0.10			-0.41	16.87	
Foreign Large Growth																								
MGRDX	MFS International Growth R6	0.76	4	-18.65	42	36	-18.65	42	29	-8.03	48	29	5.04	17	15	4.21	16	8	5.42	18	9	0.30	13.63	Lipper International Multi-Cap Growth
Peer Group	US Fund Foreign Large Growth			-19.08			-19.08			-8.32			2.03			1.79			4.46			0.01	14.77	
Index	MSCI EAFE Growth NR USD			-17.51			-17.51			-5.84			2.98			2.47			4.71			0.16	13.34	
Index	MSCI ACWI Ex USA Growth NR USD			-18.25			-18.25			-7.31			2.53			2.10			3.91			0.12	14.11	
Diversified Emerging Markets																								
HHHFX	Hartford Schroders Emerging Mkts Eq F	1.07	4	-23.22	28	32	-23.22	28	29	-15.03	23	29	-0.14	20	25	0.95	17	n.a.	1.38	30	n.a.	-0.02	17.67	Lipper Emerging Markets Funds
Peer Group	US Fund Diversified Emerging Mkts			-25.26			-25.26			-19.17			-3.34			-1.35			0.49			-0.20	17.77	
Index	MSCI EM NR USD			-23.60			-23.60			-17.69			-1.62			-0.37			0.68			-0.11	17.37	

*Morningstar overall rating

**Returns for periods under one year are not annualized

Returns are shown net of embedded expense ratios. Mstar Rnkg - Fund's ranking within Morningstar's category ("Peer Group"). Funds are ranked in descending order by return. For example, a Fund with a 20 ranking indicates that it is ranked in the top 20th percentile.

Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

INVESTMENT RETURNS & RANKINGS - ALTERNATIVE FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 03/31/2020																									
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**			YTD**			1-Year			3-Years			5-Years			10-Years			3 Yr Shrp%	3 Yr SD	Lipper Category			
				Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg						
Market Neutral																											
QMNIX	AQR Equity Market Neutral I	1.99	2	-5.54	58	74	-5.54	58	93	-14.36	96	93	-8.09	95	91	-1.02	72	55	-	-	n.a.	-1.68	5.90	Lipper Alt Equity Mkt Neutral			
BSIKX	BlackRock Strategic Income Opps K	0.65	4	-5.83	44	24	-5.83	44	20	-0.94	32	20	1.49	21	16	1.54	33	n.a.	3.50	9	n.a.	-0.04	4.38	Lipper Alt Credit Focus Funds			
BILPX	BlackRock Event Driven Equity Instl	1.28	4	-5.06	51	38	-5.06	51	27	-0.38	31	27	3.57	14	15	3.61	-	1	8.41	-	1	0.43	4.41	Lipper Alt Event Driven Funds			
Managed Futures																											
AQMIX	AQR Managed Futures Strategy I	1.21	2	3.25	40	41	3.25	40	51	4.49	54	51	-1.39	63	62	-3.96	86	86	0.88	20	18	-0.30	9.12	Lipper Alt Managed Futures			
AMFNX	Natixis ASG Managed Futures Strategy N	1.36	3	7.15	11	7	7.15	11	1	13.94	5	1	2.63	21	n.a.	-1.91	41	n.a.	-	-	n.a.	0.13	12.13	Lipper Alt Managed Futures			
Merger Arbitrage																											
ARBNX	Arbitrage I	1.68	4	-2.77	31	16	-2.77	31	16	0.04	28	16	1.69	35	40	1.89	25	30	1.85	40	74	-0.02	2.48	Lipper Alt Event Driven Funds			
Global Macro																											
EGRSX	Eaton Vance Gbl Macro Abs Ret Advtg R6	1.26	3	-10.22	71	35	-10.22	71	9	0.61	19	9	-0.82	63	n.a.	1.41	37	n.a.	-	-	n.a.	-0.31	7.50	Lipper Alt Global Macro Funds			
LAOSX	Western Asset Macro Opportunities IS	1.21	4	-14.21	86	76	-14.21	86	31	-4.33	53	31	1.45	22	17	2.75	10	8	-	-	n.a.	0.02	9.64	Lipper Alt Credit Focus Funds			
Fund of Hedge Funds																											
BXMIX	Blackstone Alternative Multi-Strategy I	3.19	3	-14.79	82	82	-14.79	82	82	-12.32	82	82	-2.44	77	72	-0.55	50	44	-	-	n.a.	-0.42	9.13	Lipper Alt Multi-Strategy Funds			
QSPIX	AQR Style Premia Alternative I	2.24	2	-8.10	43	58	-8.10	43	90	-15.44	91	90	-6.42	93	93	-1.65	68	82	-	-	n.a.	-1.24	6.52	Lipper Absolute Return			
REITs																											
ICF	iShares Cohen & Steers REIT ETF	0.34	4	-21.14	15	19	-21.14	15	45	-15.40	31	45	0.10	20	27	1.33	25	25	8.23	24	23	-0.03	15.61	Lipper Real Estate Funds			

*Morningstar overall rating

****Returns for periods under one year are not annualized**

Returns are shown net of embedded expense ratios. Mstar Rnkg - Fund's ranking within Morningstar's category ("Peer Group"). Funds are ranked in descending order by return. For example, a Fund with a 20 ranking indicates that it is ranked in the top 20th percentile.

Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

TARGET FUND ALLOCATIONS

El Toro Water District - 401(k) Plan

	Capital Preservation	Income	Income & Growth	Balanced Income	Balanced	Capital Appreciation	Growth	Ticker	Fund Name
Equity	17%	31%	46%	56%	65%	72%	83%		
Large Cap Blend	2.78%	4.99%	7.89%	9.17%	10.90%	11.65%	12.83%	COFYX	Columbia Contrarian Core Inst3
	2.66%	4.78%	7.88%	8.78%	10.37%	11.09%	12.47%	VGIAX	Vanguard Growth & Income Adm
Large Cap Growth	1.37%	2.46%	3.34%	4.48%	4.83%	5.58%	6.33%	HNACX	Harbor Capital Appreciation Retirement
	1.19%	2.14%	2.87%	3.87%	4.54%	4.81%	5.88%	LSITX	ClearBridge Large Cap Growth IS
Large Cap Value	1.14%	2.02%	2.78%	3.49%	3.89%	4.43%	5.04%	PKAIX	PIMCO RAE US Instl
	1.11%	1.97%	2.72%	3.40%	3.81%	4.27%	4.92%	DODGX	Dodge & Cox Stock
	0.19%	0.46%	0.44%	0.90%	1.15%	1.29%	1.65%	IVE	iShares S&P 500 Value ETF
Mid Cap Blend	0.43%	0.81%	1.14%	1.40%	1.74%	2.87%	3.28%	VO	Vanguard Mid-Cap ETF
Small Cap Blend	0.66%	1.79%	1.57%	1.32%	1.65%	1.87%	2.08%	DCZRX	Delaware Small Cap Core R6
	0.42%	0.63%	1.28%	1.34%	1.79%	1.75%	2.00%	VB	Vanguard Small-Cap ETF
Small Cap Growth	0.34%	0.55%	0.95%	1.40%	1.45%	1.58%	1.93%	RSEJX	Victory RS Small Cap Growth R6
	0.33%	0.42%	0.89%	1.29%	1.35%	1.36%	1.62%	VBK	Vanguard Small-Cap Growth ETF
Small Cap Value	0.54%	0.82%	1.43%	2.10%	2.40%	2.52%	3.05%	UBVFX	Undiscovered Managers Behavioral Val R6
Foreign Large Blend	0.87%	1.23%	1.43%	1.76%	1.79%	2.13%	2.98%	HEFA	iShares Currency Hedged MSCI EAFE ETF
	1.54%	2.84%	5.22%	5.91%	7.17%	7.79%	8.80%	DFALX	DFA Large Cap International I
Foreign Large Growth	0.56%	1.03%	1.29%	1.85%	2.08%	2.22%	2.75%	MGRDX	MFS International Growth R6
Foreign Large Value	0.47%	0.89%	1.10%	1.61%	1.80%	1.90%	2.46%	DODFX	Dodge & Cox International Stock
Emerging Markets	0.71%	1.32%	1.84%	2.36%	2.49%	2.63%	2.95%	HHHFX	Hartford Schroders Emerging Mkts Eq F
Alternatives	14%	13%	14%	13%	10%	7%	6%		
Global Macro	1.64%	1.49%	1.58%	1.57%	1.04%	0.79%	0.56%	EGRSX	Eaton Vance Gbl Macro Abs Ret Advtg R6
	1.54%	1.40%	1.54%	1.32%	1.01%	0.75%	0.52%	LAOSX	Western Asset Macro Opportunities IS
Managed Futures	1.32%	1.40%	1.33%	1.49%	1.04%	0.79%	0.56%	AQMIX	AQR Managed Futures Strategy I
	1.40%	1.49%	1.40%	1.57%	1.10%	0.84%	0.59%	AMFNX	Natixis ASG Managed Futures Strategy N
Merger/Arbitrage	0.03%	0.02%	0.03%	0.03%	0.02%	0.01%	0.01%	ARBFX	Arbitrage I
Market Neutral	0.62%	0.41%	0.53%	0.58%	0.36%	0.34%	0.26%	QMNIX	AQR Equity Market Neutral I
	0.73%	0.74%	0.74%	0.57%	0.52%	0.40%	0.32%	BSIKX	BlackRock Strategic Income Opps K
	1.23%	1.46%	1.64%	1.12%	1.03%	0.89%	0.64%	BILPX	BlackRock Event Driven Equity Instl
Multi-Strategy / Fund of Funds	1.55%	1.58%	1.41%	1.45%	0.93%	0.66%	0.54%	BXMIX	Blackstone Alternative Multi-Strategy I
	0.92%	0.82%	1.21%	0.91%	0.89%	0.59%	0.43%	QSPIX	AQR Style Premia Alternative I
REITs	3.01%	2.68%	2.29%	1.96%	1.61%	1.27%	1.13%	ICF	iShares Cohen & Steers REIT ETF
Fixed Income	64%	54%	40%	30%	21%	11%	8%		
Short Term Bond	7.15%	4.88%	3.41%	3.82%	2.66%	1.14%	0.30%	VFSUX	Vanguard Short-Term Investment-Grade Adm
Intermediate-Term Bond	13.67%	11.95%	8.75%	6.32%	4.54%	2.33%	1.92%	DBLFX	DoubleLine Core Fixed Income I
	14.53%	12.70%	9.28%	6.73%	4.81%	2.48%	2.04%	PTTRX	PIMCO Total Return Instl
	14.16%	12.22%	9.04%	6.58%	4.64%	2.42%	1.99%	PTRQX	PGIM Total Return Bond R6
	14.24%	12.45%	9.11%	6.57%	4.71%	2.43%	2.00%	DODIX	Dodge & Cox Income
Cash	5%	1%	1%	1%	4%	10%	3%		
Cash & Equivalents	4.95%	1.15%	0.64%	0.99%	3.91%	10.12%	3.15%	FIGXX	Fidelity Money Market Government Portfolio I
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		

Target Allocations are subject to change without notice.

INVESTMENT PORTFOLIO SUMMARY - CAPITAL PRESERVATION

El Toro Water District - 401(k) Plan

Account Number: XXX11389
Data as of: 03/31/2020

Portfolio Manager:
Keith Stribling, CFA

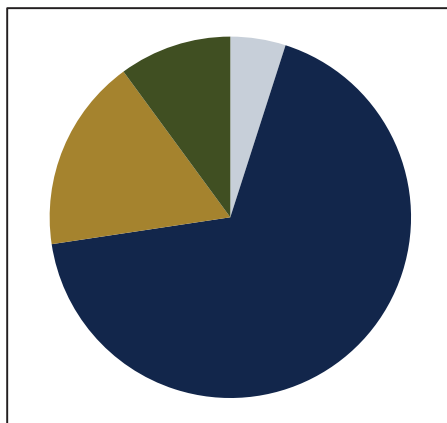
Account Snapshot

Asset Class	Market Value	Tax Cost	Est. Annual Income	Current Yield (%)
Cash & Equivalents	\$44,945.84	\$44,945.84	\$119.11	0.27%
Fixed Income	\$615,052.19	\$627,551.97	\$19,214.23	3.12%
Equities	\$157,294.43	\$183,523.28	\$3,322.06	2.11%
Alternatives	\$91,533.40	\$106,132.19	\$3,019.69	3.30%
Other	\$0.00	\$0.00	\$0.00	0.00%
Total	\$908,825.86	\$962,153.28	\$25,675.08	2.83%

Yields are gross of any fees and reflect the reinvestment of dividends and other income

Asset Allocation

4.9%	Cash & Equivalents
67.7%	Fixed Income
17.3%	Equities
10.1%	Alternatives
0.0%	Other



Income Summary (1, 2)

Cash & Equivalents Income Earned YTD	\$901
Taxable Fixed Income Income Earned YTD	\$8,426
Tax-Exempt Fixed Income Income Earned YTD	\$0
Equity Income Earned YTD	\$452
Alternative Income Earned YTD	\$118
Other Income Earned YTD	\$0
Total	\$9,896

Net Gain/Loss Summary (3)

	Realized	Unrealized
Net Short Term Gain/Loss	\$4,894	
Net Long Term Gain/Loss	\$51,509	
Total	\$56,403	-\$53,327

(1) As of 03/31/2020

(2) Information is calculated on a calendar year basis and includes income, dividends, and capital gain distributions

(3) Gain/Loss information is for informational purposes only.

HOLDINGS REPORT

El Toro Water District 401(k) - Capital Preservation

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
CASH EQUIVALENTS								
MONEY MARKET FUNDS/CASH								
n.a.	n.a.	CASH	(1,329.9700)	(\$1,329.97)	1.00	(\$1,329.97)	-2.96%	-0.15%
FPZXX	n.a.	CASH FUND	46,275.81	\$46,275.81	1.00	\$46,275.81	102.96%	5.09%
TOTAL CASH				\$44,945.84		\$44,945.84		4.95%
FIXED INCOME								
Short-Term Bond Funds								
VFSUX	922031836	Vanguard Short-Term Investment-Grade Adm	6,189.85	65,613.74	10.5	64,993.46	11.22%	7.15%
Intermediate-Term Bond Funds								
DBLFX	258620301	DoubleLine Core Fixed Income I	11,701.23	127,558.25	10.62	124,267.11	21.45%	13.67%
DODIX	256210105	Dodge & Cox Income	9,380.58	129,132.70	13.8	129,452.03	22.34%	14.24%
PTRQX	74440B884	PGIM Total Return Bond R6	9,259.21	134,939.59	13.9	128,702.99	22.21%	14.16%
PTTRX	693390700	PIMCO Total Return Instl	12,588.34	131,566.09	10.49	132,051.70	22.79%	14.53%
				\$523,196.63		\$514,473.83		56.61%
TOTAL FIXED INCOME				\$588,810.37		\$579,467.29		63.76%
EQUITY								
Large Cap Blend Funds								
COFYX	19766M709	Columbia Contrarian Core Inst3	1,126.46	26,061.03	22.44	25,277.67	16.07%	2.78%
VGIAX	921913208	Vanguard Growth & Income Adm	358.10	26,036.33	67.55	24,189.93	15.38%	2.66%
				\$52,097.36		\$49,467.60		5.44%
Large Cap Value Funds								
DODGX	256219106	Dodge & Cox Stock	74.98	13,943.81	134.55	10,088.16	6.41%	1.11%
PKAIX	72202L462	PIMCO RAE US Instl	1,235.06	13,485.17	8.36	10,325.07	6.56%	1.14%
IVE	464287408	iShares S&P 500 Value ETF	18.00	2,338.56	96.25	1,732.50	1.10%	0.19%
				\$29,767.54		\$22,145.73		2.44%
Large Cap Growth Funds								
HNACX	411512528	Harbor Capital Appreciation Retirement	186.51	12,681.27	66.77	12,453.07	7.92%	1.37%
LSITX	52469H255	ClearBridge Large Cap Growth IS	232.13	11,005.63	46.46	10,784.95	6.86%	1.19%
				\$23,686.90		\$23,238.02		2.56%

HOLDINGS REPORT

El Toro Water District 401(k) - Capital Preservation

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Mid Cap Blend Funds								
VO	922908629	Vanguard Mid-Cap ETF	30.00	4,897.81	131.65	3,949.50	2.51%	0.43%
Small Cap Value Funds								
UBVFX	904504479	Undiscovered Managers Behavioral Val R6	130.85	8,581.09	37.17	4,863.73	3.09%	0.54%
Small Cap Blend Funds								
DCZRX	24610B826	Delaware Small Cap Core R6	349.05	8,084.20	17.15	5,986.12	3.81%	0.66%
VB	922908751	Vanguard Small-Cap ETF	33.00	4,954.07	115.44	3,809.52	2.42%	0.42%
				\$13,038.27		\$9,795.64		1.08%
Small Cap Growth Funds								
RSEJX	92647Q363	Victory RS Small Cap Growth R6	50.40	4,065.80	61.72	3,110.75	1.98%	0.34%
VBK	922908595	Vanguard Small-Cap Growth ETF	20.00	3,829.48	150.3	3,006.00	1.91%	0.33%
				\$7,895.28		\$6,116.75		0.67%
Foreign Large Value Funds								
DODFX	256206103	Dodge & Cox International Stock	140.41	5,867.95	30.3	4,254.39	2.70%	0.47%
Foreign Large Blend Funds								
DFALX	233203868	DFA Large Cap International I	784.52	16,711.43	17.8	13,964.37	8.88%	1.54%
HEFA	46434V803	iShares Currency Hedged MSCI EAFE ETF	327.00	8,624.65	24.21	7,916.67	5.03%	0.87%
				\$25,336.08		\$21,881.04		2.41%
Foreign Large Growth Funds								
MGRDX	552746356	MFS International Growth R6	169.88	5,129.68	30.18	5,126.83	3.26%	0.56%
Diversified Emerging Markets								
HHHFX	41665X859	Hartford Schrodgers Emerging Mkts Eq F	507.09	7,225.32	12.73	6,455.20	4.10%	0.71%
				\$7,225.32		\$6,455.20		0.71%
TOTAL EQUITY				\$183,523.28		\$157,294.43		17.31%

ALTERNATIVES

Market Neutral

QMNIX	00191K799	AQR Equity Market Neutral I	646.45	7,215.84	8.69	5,617.66	3.57%	0.62%
BILPX	09250J734	BlackRock Event Driven Equity Instl	1,211.40	12,001.93	9.2	11,144.84	7.09%	1.23%
BSIKX	09260B374	BlackRock Strategic Income Opps K	713.37	7,035.28	9.33	6,655.75	4.23%	0.73%
				\$26,253.05		\$23,418.25		2.58%

HOLDINGS REPORT

El Toro Water District 401(k) - Capital Preservation

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Managed Futures								
AQMIX	00203H859	AQR Managed Futures Strategy I	1,399.65	13,238.73	8.58	12,008.95	7.63%	1.32%
AMFNX	63873P825	Natixis ASG Managed Futures Strategy N	1,266.53	13,164.15	10.04	12,715.93	8.08%	1.40%
				<u>\$26,402.88</u>		<u>\$24,724.88</u>		<u>2.72%</u>
Merger Arbitrage								
ARBNX	03875R205	Arbitrage I	18.44	240.75	12.98	239.34	0.15%	0.03%
Global Macro								
EGRSX	27830W108	Eaton Vance Gbl Macro Abs Ret Advtg R6	1,585.94	15,947.65	9.4	14,907.85	9.48%	1.64%
LAOSX	95768D509	Western Asset Macro Opportunities IS	1,469.74	15,758.67	9.54	14,021.30	8.91%	1.54%
				<u>\$31,706.32</u>		<u>\$28,929.15</u>		<u>3.18%</u>
Fund of Hedge Funds								
BXMIX	09257V201	Blackstone Alternative Multi-Strategy I	1,543.80	16,336.76	9.1	14,048.59	8.93%	1.55%
QSPIX	00203H420	AQR Style Premia Alternative I	1,118.25	10,718.24	7.49	8,375.67	5.32%	0.92%
				<u>\$27,055.00</u>		<u>\$22,424.26</u>		<u>2.47%</u>
REITs								
ICF	464287564	iShares Cohen & Steers REIT ETF	299.00	33,215.79	91.58	27,382.42	17.41%	3.01%
TOTAL ALTERNATIVES				\$144,873.79		\$127,118.30		13.99%
TOTAL - ALL ASSETS				\$962,153.28		\$908,825.86		100.00%

INVESTMENT PORTFOLIO SUMMARY - INCOME

El Toro Water District - 401(k) Plan

Account Number: XXX51389
Data as of: 03/31/2020

Portfolio Manager:
Keith Stribling, CFA

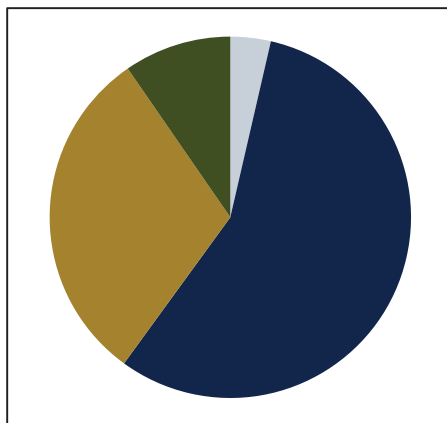
Account Snapshot

Asset Class	Market Value	Tax Cost	Est. Annual Income	Current Yield (%)
Cash & Equivalents	\$133,624.67	\$133,624.67	\$354.11	0.27%
Fixed Income	\$2,089,133.56	\$2,106,245.71	\$65,264.53	3.12%
Equities	\$1,125,162.07	\$1,410,392.47	\$23,763.42	2.11%
Alternatives	\$356,055.05	\$403,017.64	\$11,746.26	3.30%
Other	\$0.00	\$0.00	\$0.00	0.00%
Total	\$3,703,975.35	\$4,053,280.49	\$101,128.32	2.73%

Yields are gross of any fees and reflect the reinvestment of dividends and other income

Asset Allocation

3.6%	Cash & Equivalents
56.4%	Fixed Income
30.4%	Equities
9.6%	Alternatives
0.0%	Other



Income Summary (1, 2)

Cash & Equivalents Income Earned YTD	\$745
Taxable Fixed Income Income Earned YTD	\$15,908
Tax-Exempt Fixed Income Income Earned YTD	\$0
Equity Income Earned YTD	\$2,546
Alternative Income Earned YTD	\$215
Other Income Earned YTD	\$0
Total	\$19,413

Net Gain/Loss Summary (3)

	Realized	Unrealized
Net Short Term Gain/Loss	\$122	
Net Long Term Gain/Loss	\$2,436	
Total	\$2,559	-\$349,305

(1) As of 03/31/2020

(2) Information is calculated on a calendar year basis and includes income, dividends, and capital gain distributions

(3) Gain/Loss information is for informational purposes only.

HOLDINGS REPORT

El Toro Water District 401(k) - Income

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
CASH EQUIVALENTS								
MONEY MARKET FUNDS/CASH								
n.a.	n.a.	CASH	(4,768.4500)	(\$4,768.45)	1.00	(\$4,768.45)	-3.57%	-0.13%
FPZXX	n.a.	CASH FUND	138,393.12	\$138,393.12	1.00	\$138,393.12	103.57%	3.74%
TOTAL CASH				\$133,624.67		\$133,624.67		3.61%
FIXED INCOME								
Short-Term Bond Funds								
VFSUX	922031836	Vanguard Short-Term Investment-Grade Adm	16,775.73	176,783.66	10.5	176,145.19	9.00%	4.76%
				<u>\$176,783.66</u>		<u>\$176,145.19</u>		<u>4.76%</u>
Intermediate-Term Bond Funds								
DBLFX	258620301	DoubleLine Core Fixed Income I	40,636.00	440,695.22	10.62	431,554.30	22.04%	11.65%
DODIX	256210105	Dodge & Cox Income	32,590.34	444,925.35	13.8	449,746.68	22.97%	12.14%
PTRQX	74440B884	PGIM Total Return Bond R6	31,760.88	455,456.68	13.9	441,476.18	22.55%	11.92%
PTTRX	693390700	PIMCO Total Return Instl	43,740.02	442,981.32	10.49	458,832.81	23.44%	12.39%
				<u>\$1,784,058.57</u>		<u>\$1,781,609.97</u>		<u>48.10%</u>
TOTAL FIXED INCOME				\$1,960,842.23		\$1,957,755.16		52.86%
EQUITY								
Large Cap Blend Funds								
COFYX	19766M709	Columbia Contrarian Core Inst3	8,024.12	212,945.74	22.44	180,061.23	16.00%	4.86%
VGIAX	921913208	Vanguard Growth & Income Adm	2,556.19	206,400.35	67.55	172,670.43	15.35%	4.66%
				<u>\$419,346.09</u>		<u>\$352,731.66</u>		<u>9.52%</u>
Large Cap Value Funds								
DODGX	256219106	Dodge & Cox Stock	529.69	103,861.40	134.55	71,270.33	6.33%	1.92%
PKAIX	72202L462	PIMCO RAE US Instl	8,723.00	99,742.83	8.36	72,924.29	6.48%	1.97%
IVE	464287408	iShares S&P 500 Value ETF	174.00	22,171.59	96.25	16,747.50	1.49%	0.45%
				<u>\$225,775.82</u>		<u>\$160,942.12</u>		<u>4.35%</u>
Large Cap Growth Funds								
HNACX	411512528	Harbor Capital Appreciation Retirement	1,330.40	100,353.06	66.77	88,831.01	7.89%	2.40%
LSITX	52469H255	ClearBridge Large Cap Growth IS	1,662.02	86,543.14	46.46	77,217.54	6.86%	2.08%
				<u>\$186,896.20</u>		<u>\$166,048.55</u>		<u>4.48%</u>

HOLDINGS REPORT

El Toro Water District 401(k) - Income

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Mid Cap Blend Funds								
VO	922908629	Vanguard Mid-Cap ETF	222.00	37,069.44	131.65	29,226.30	2.60%	0.79%
Small Cap Value Funds								
UBVFX	904504479	Undiscovered Managers Behavioral Val R6	798.33	53,340.61	37.17	29,674.04	2.64%	0.80%
Small Cap Blend Funds								
DCZRX	246108826	Delaware Small Cap Core R6	3,761.20	87,208.73	17.15	64,504.65	5.73%	1.74%
VB	922908751	Vanguard Small-Cap ETF	197.00	30,100.40	115.44	22,741.68	2.02%	0.61%
				\$117,309.13		\$87,246.33		2.36%
Small Cap Growth Funds								
RSEJX	92647Q363	Victory RS Small Cap Growth R6	319.27	25,120.37	61.72	19,705.47	1.75%	0.53%
VBK	922908595	Vanguard Small-Cap Growth ETF	102.00	19,530.34	150.3	15,330.60	1.36%	0.41%
				\$44,650.71		\$35,036.07		0.95%
Foreign Large Value Funds								
DODFX	256206103	Dodge & Cox International Stock	1,061.56	45,871.24	30.3	32,165.24	2.86%	0.87%
Foreign Large Blend Funds								
DFALX	233203868	DFA Large Cap International I	5,764.08	124,518.07	17.8	102,600.61	9.12%	2.77%
HEFA	46434V803	iShares Currency Hedged MSCI EAFE ETF	1,830.00	53,479.64	24.21	44,304.30	3.94%	1.20%
				\$177,997.71		\$146,904.91		3.97%
Foreign Large Growth Funds								
MGRDX	552746356	MFS International Growth R6	1,237.68	43,454.28	30.18	37,353.21	3.32%	1.01%
Diversified Emerging Markets								
HHHFX	41665X859	Hartford Schrodgers Emerging Mkts Eq F	3,757.55	58,681.24	12.73	47,833.64	4.25%	1.29%
				\$58,681.24		\$47,833.64		1.29%
TOTAL EQUITY				\$1,410,392.47		\$1,125,162.07		30.38%

ALTERNATIVES

Market Neutral

QMNIX	00191K799	AQR Equity Market Neutral I	1,691.34	17,814.92	8.69	14,697.74	1.31%	0.40%
BILPX	09250J734	BlackRock Event Driven Equity Instl	5,730.74	56,665.23	9.2	52,722.84	4.69%	1.42%
BSIKX	09260B374	BlackRock Strategic Income Opps K	2,871.88	28,241.17	9.33	26,794.61	2.38%	0.72%
				\$102,721.32		\$94,215.19		2.54%

HOLDINGS REPORT

El Toro Water District 401(k) - Income

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Managed Futures								
AQMIX	00203H859	AQR Managed Futures Strategy I	5,907.05	51,306.71	8.58	50,682.46	4.50%	1.37%
AMFNX	63873P825	Natixis ASG Managed Futures Strategy N	5,352.95	52,019.98	10.04	53,743.59	4.78%	1.45%
				<u>\$103,326.69</u>		<u>\$104,426.05</u>		<u>2.82%</u>
Merger Arbitrage								
ARBNX	03875R205	Arbitrage I	46.52	608.24	12.98	603.78	0.05%	0.02%
Global Macro								
EGRSX	27830W108	Eaton Vance Gbl Macro Abs Ret Advtg R6	5,727.83	57,962.74	9.4	53,841.58	4.79%	1.45%
LAOSX	95768D509	Western Asset Macro Opportunities IS	5,318.89	59,199.57	9.54	50,742.21	4.51%	1.37%
				<u>\$117,162.31</u>		<u>\$104,583.79</u>		<u>2.82%</u>
Fund of Hedge Funds								
BXMIX	09257V201	Blackstone Alternative Multi-Strategy I	6,279.77	67,915.79	9.1	57,145.93	5.08%	1.54%
QSPIX	00203H420	AQR Style Premia Alternative I	3,959.77	36,388.62	7.49	29,658.65	2.64%	0.80%
				<u>\$104,304.41</u>		<u>\$86,804.58</u>		<u>2.34%</u>
REITs								
ICF	464287564	iShares Cohen & Steers REIT ETF	1,057.00	120,298.15	91.58	96,800.06	8.60%	2.61%
TOTAL ALTERNATIVES				\$548,421.12		\$487,433.45		13.16%
TOTAL - ALL ASSETS				\$4,053,280.49		\$3,703,975.35		100.00%

INVESTMENT PORTFOLIO SUMMARY - INCOME & GROWTH

El Toro Water District - 401(k) Plan

Account Number: XXX21389
Data as of: 03/31/2020

Portfolio Manager:
Keith Stribling, CFA

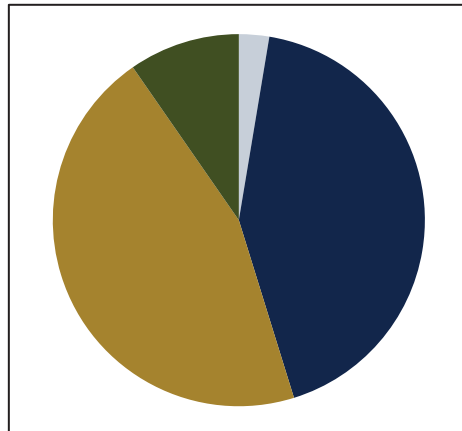
Account Snapshot

Asset Class	Market Value	Tax Cost	Est. Annual Income	Current Yield (%)
Cash & Equivalents	\$165,429.06	\$165,429.06	\$438.39	0.27%
Fixed Income	\$2,683,181.17	\$2,754,949.73	\$83,822.58	3.12%
Equities	\$2,844,393.10	\$3,253,784.57	\$60,073.58	2.11%
Alternatives	\$608,019.84	\$712,406.05	\$20,058.57	3.30%
Other	\$0.00	\$0.00	\$0.00	0.00%
Total	\$6,301,023.17	\$6,886,569.41	\$164,393.12	2.61%

Yields are gross of any fees and reflect the reinvestment of dividends and other income

Asset Allocation

2.6%	Cash & Equivalents
42.6%	Fixed Income
45.1%	Equities
9.6%	Alternatives
0.0%	Other



Income Summary (1, 2)

Cash & Equivalents Income Earned YTD	\$928
Taxable Fixed Income Income Earned YTD	\$20,008
Tax-Exempt Fixed Income Income Earned YTD	\$0
Equity Income Earned YTD	\$5,438
Alternative Income Earned YTD	\$366
Other Income Earned YTD	\$0
Total	\$26,740

Net Gain/Loss Summary (3)

	Realized	Unrealized
Net Short Term Gain/Loss	\$181	
Net Long Term Gain/Loss	\$10,469	
Total	\$10,650	-\$585,546

(1) As of 03/31/2020

(2) Information is calculated on a calendar year basis and includes income, dividends, and capital gain distributions

(3) Gain/Loss information is for informational purposes only.

HOLDINGS REPORT

El Toro Water District 401(k) - Income & Growth

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
CASH EQUIVALENTS								
MONEY MARKET FUNDS/CASH								
n.a.	n.a.	CASH	(6,940.7200)	(\$6,940.72)	1.00	(\$6,940.72)	-4.20%	-0.11%
FPZXX	n.a.	CASH FUND	172,369.78	\$172,369.78	1.00	\$172,369.78	104.20%	2.74%
TOTAL CASH				\$165,429.06		\$165,429.06		2.63%
FIXED INCOME								
Short-Term Bond Funds								
VFSUX	922031836	Vanguard Short-Term Investment-Grade Adm	20,065.00	212,991.41	10.5	210,682.51	8.62%	3.34%
				<u>\$212,991.41</u>		<u>\$210,682.51</u>		<u>3.34%</u>
Intermediate-Term Bond Funds								
DBLFX	258620301	DoubleLine Core Fixed Income I	50,854.02	554,928.50	10.62	540,069.71	22.09%	8.57%
DODIX	256210105	Dodge & Cox Income	40,767.34	562,905.40	13.8	562,589.24	23.01%	8.93%
PTRQX	744408884	PGIM Total Return Bond R6	40,149.29	587,257.16	13.9	558,075.09	22.83%	8.86%
PTTRX	693390700	PIMCO Total Return Instl	54,637.32	577,373.94	10.49	573,145.48	23.45%	9.10%
				<u>\$2,282,465.00</u>		<u>\$2,233,879.52</u>		<u>35.45%</u>
TOTAL FIXED INCOME				\$2,495,456.41		\$2,444,562.03		38.80%
EQUITY								
Large Cap Blend Funds								
COFYX	19766M709	Columbia Contrarian Core Inst3	21,724.31	485,341.73	22.44	487,493.47	17.14%	7.74%
VGIAx	921913208	Vanguard Growth & Income Adm	7,199.70	518,038.50	67.55	486,339.94	17.10%	7.72%
				<u>\$1,003,380.23</u>		<u>\$973,833.41</u>		<u>15.46%</u>
Large Cap Value Funds								
DODGX	256219106	Dodge & Cox Stock	1,246.31	228,171.05	134.55	167,691.55	5.90%	2.66%
PKAIX	72202L462	PIMCO RAE US Instl	20,532.35	221,139.66	8.36	171,650.46	6.03%	2.72%
IVE	464287408	iShares S&P 500 Value ETF	282.00	36,585.00	96.25	27,142.50	0.95%	0.43%
				<u>\$485,895.71</u>		<u>\$366,484.51</u>		<u>5.82%</u>
Large Cap Growth Funds								
HNACX	411512528	Harbor Capital Appreciation Retirement	3,086.00	201,071.59	66.77	206,052.15	7.24%	3.27%
LSITX	52469H255	ClearBridge Large Cap Growth IS	3,814.88	176,031.09	46.46	177,239.23	6.23%	2.81%
				<u>\$377,102.68</u>		<u>\$383,291.38</u>		<u>6.08%</u>

HOLDINGS REPORT

El Toro Water District 401(k) - Income & Growth

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Mid Cap Blend Funds								
VO	922908629	Vanguard Mid-Cap ETF	537.00	87,239.31	131.65	70,696.05	2.49%	1.12%
Small Cap Value Funds								
UBVFX	904504479	Undiscovered Managers Behavioral Val R6	2,374.68	150,846.22	37.17	88,266.86	3.10%	1.40%
Small Cap Blend Funds								
DCZRX	24610B826	Delaware Small Cap Core R6	5,659.48	132,276.96	17.15	97,060.00	3.41%	1.54%
VB	922908751	Vanguard Small-Cap ETF	687.00	103,003.62	115.44	79,307.28	2.79%	1.26%
				\$235,280.58		\$176,367.28		2.80%
Small Cap Growth Funds								
RSEJX	92647Q363	Victory RS Small Cap Growth R6	950.69	76,691.45	61.72	58,676.77	2.06%	0.93%
VBK	922908595	Vanguard Small-Cap Growth ETF	365.00	69,887.98	150.3	54,859.50	1.93%	0.87%
				\$146,579.43		\$113,536.27		1.80%
Foreign Large Value Funds								
DODFX	256206103	Dodge & Cox International Stock	2,240.18	92,816.86	30.3	67,877.30	2.39%	1.08%
Foreign Large Blend Funds								
DFALX	233203868	DFA Large Cap International I	18,095.60	383,350.53	17.8	322,101.61	11.32%	5.11%
HEFA	46434V803	iShares Currency Hedged MSCI EAFE ETF	3,658.00	93,758.47	24.21	88,560.18	3.11%	1.41%
				\$477,109.00		\$410,661.79		6.52%
Foreign Large Growth Funds								
MGRDX	552746356	MFS International Growth R6	2,649.03	77,715.58	30.18	79,947.70	2.81%	1.27%
Diversified Emerging Markets								
HHHFX	41665X859	Hartford Schrodgers Emerging Mkts Eq F	8,910.49	119,818.97	12.73	113,430.55	3.99%	1.80%
				\$119,818.97		\$113,430.55		1.80%
TOTAL EQUITY				\$3,253,784.57		\$2,844,393.10		45.14%

ALTERNATIVES

Market Neutral

QMNIX	00191K799	AQR Equity Market Neutral I	3,789.95	42,643.65	8.69	32,934.62	1.16%	0.52%
BILPX	09250J734	BlackRock Event Driven Equity Instl	11,003.80	109,532.91	9.2	101,234.97	3.56%	1.61%
BSIKX	09260B374	BlackRock Strategic Income Opps K	4,890.72	48,265.89	9.33	45,630.45	1.60%	0.72%
				\$200,442.45		\$179,800.04		2.85%

HOLDINGS REPORT

El Toro Water District 401(k) - Income & Growth

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Managed Futures								
AQMIX	00203H859	AQR Managed Futures Strategy I	9,538.14	93,117.74	8.58	81,837.26	2.88%	1.30%
AMFNX	63873P825	Natixis ASG Managed Futures Strategy N	8,629.39	91,577.31	10.04	86,639.05	3.05%	1.37%
				\$184,695.05		\$168,476.31		2.67%
Merger Arbitrage								
ARBNX	03875R205	Arbitrage I	138.17	1,806.23	12.98	1,793.41	0.06%	0.03%
Global Macro								
EGRSX	27830W108	Eaton Vance Gbl Macro Abs Ret Advtg R6	10,411.38	105,508.41	9.4	97,866.96	3.44%	1.55%
LAOSX	95768D509	Western Asset Macro Opportunities IS	9,970.83	105,719.02	9.54	95,121.73	3.34%	1.51%
				\$211,227.43		\$192,988.69		3.06%
Fund of Hedge Funds								
BXMIX	09257V201	Blackstone Alternative Multi-Strategy I	9,572.36	100,707.77	9.1	87,108.44	3.06%	1.38%
QSPIX	00203H420	AQR Style Premia Alternative I	9,986.36	99,840.71	7.49	74,797.83	2.63%	1.19%
				\$200,548.48		\$161,906.27		2.57%
REITs								
ICF	464287564	iShares Cohen & Steers REIT ETF	1,547.00	173,179.73	91.58	141,674.26	4.98%	2.25%
TOTAL ALTERNATIVES				\$971,899.37		\$846,638.98		13.44%
TOTAL - ALL ASSETS				\$6,886,569.41		\$6,301,023.17		100.00%

INVESTMENT PORTFOLIO SUMMARY -BALANCED INCOME

El Toro Water District - 401(k) Plan

Account Number: XXX61389
Data as of: 03/31/2020

Portfolio Manager:
Keith Stribling, CFA

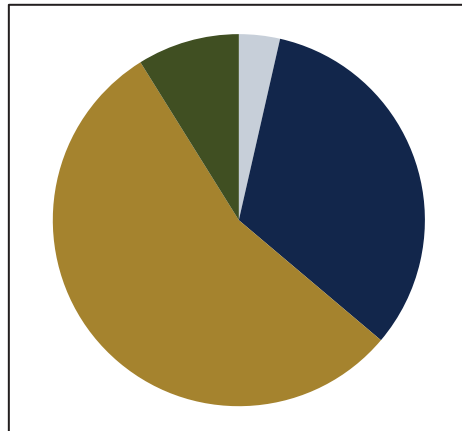
Account Snapshot

Asset Class	Market Value	Tax Cost	Est. Annual Income	Current Yield (%)
Cash & Equivalents	\$156,013.94	\$156,013.94	\$413.44	0.27%
Fixed Income	\$1,428,097.79	\$1,432,406.95	\$44,613.77	3.12%
Equities	\$2,407,868.46	\$3,037,905.09	\$50,854.18	2.11%
Alternatives	\$388,562.07	\$436,331.88	\$12,818.66	3.30%
Other	\$0.00	\$0.00	\$0.00	0.00%
Total	\$4,380,542.26	\$5,062,657.86	\$108,700.06	2.48%

Yields are gross of any fees and reflect the reinvestment of dividends and other income

Asset Allocation

3.6%	Cash & Equivalents
32.6%	Fixed Income
55.0%	Equities
8.9%	Alternatives
0.0%	Other



Income Summary (1, 2)

Cash & Equivalents Income Earned YTD	\$750
Taxable Fixed Income Income Earned YTD	\$10,391
Tax-Exempt Fixed Income Income Earned YTD	\$0
Equity Income Earned YTD	\$4,528
Alternative Income Earned YTD	\$214
Other Income Earned YTD	\$0
Total	\$15,883

Net Gain/Loss Summary (3)

	Realized	Unrealized
Net Short Term Gain/Loss	\$112	
Net Long Term Gain/Loss	\$4,065	
Total	\$4,177	-\$682,116

(1) As of 03/31/2020

(2) Information is calculated on a calendar year basis and includes income, dividends, and capital gain distributions

(3) Gain/Loss information is for informational purposes only.

HOLDINGS REPORT

El Toro Water District 401(k) - Balanced Income

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
CASH EQUIVALENTS								
MONEY MARKET FUNDS/CASH								
n.a.	n.a.	CASH	(4,052.3700)	(\$4,052.37)	1.00	(\$4,052.37)	-2.60%	-0.09%
FPZXX	n.a.	CASH FUND	160,066.31	\$160,066.31	1.00	\$160,066.31	102.60%	3.65%
TOTAL CASH				\$156,013.94		\$156,013.94		3.56%
FIXED INCOME								
Short-Term Bond Funds								
VFSUX	922031836	Vanguard Short-Term Investment-Grade Adm	15,515.77	164,010.71	10.5	162,915.55	12.72%	3.72%
				\$164,010.71		\$162,915.55		3.72%
Intermediate-Term Bond Funds								
DBLFX	258620301	DoubleLine Core Fixed Income I	25,372.56	272,326.23	10.62	269,456.54	21.04%	6.15%
DODIX	256210105	Dodge & Cox Income	20,306.65	274,136.36	13.8	280,231.76	21.88%	6.40%
PTRQX	744408884	PGIM Total Return Bond R6	20,195.56	285,771.02	13.9	280,718.30	21.92%	6.41%
PTTRX	693390700	PIMCO Total Return Instl	27,385.76	274,435.87	10.49	287,276.58	22.43%	6.56%
				\$1,106,669.48		\$1,117,683.18		25.51%
TOTAL FIXED INCOME				\$1,270,680.19		\$1,280,598.73		29.23%
EQUITY								
Large Cap Blend Funds								
COFYX	19766M709	Columbia Contrarian Core Inst3	17,433.52	468,652.92	22.44	391,208.26	16.25%	8.93%
VGIAX	921913208	Vanguard Growth & Income Adm	5,542.84	451,640.37	67.55	374,418.98	15.55%	8.55%
				\$920,293.29		\$765,627.24		17.48%
Large Cap Value Funds								
DODGX	256219106	Dodge & Cox Stock	1,079.70	219,635.79	134.55	145,273.37	6.03%	3.32%
PKAIX	72202L462	PIMCO RAE US Instl	17,789.94	206,477.43	8.36	148,723.86	6.18%	3.40%
IVE	464287408	iShares S&P 500 Value ETF	400.00	52,099.71	96.25	38,500.00	1.60%	0.88%
				\$478,212.93		\$332,497.23		7.59%
Large Cap Growth Funds								
HNACX	411512528	Harbor Capital Appreciation Retirement	2,864.25	213,248.05	66.77	191,246.11	7.94%	4.37%
LSITX	52469H255	ClearBridge Large Cap Growth IS	3,557.87	180,409.68	46.46	165,298.83	6.86%	3.77%
				\$393,657.73		\$356,544.94		8.14%

HOLDINGS REPORT

El Toro Water District 401(k) - Balanced Income

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Mid Cap Blend Funds								
VO	922908629	Vanguard Mid-Cap ETF	453.00	73,131.33	131.65	59,637.45	2.48%	1.36%
Small Cap Value Funds								
UBVFX	904504479	Undiscovered Managers Behavioral Val R6	2,415.69	165,518.31	37.17	89,791.09	3.73%	2.05%
Small Cap Blend Funds								
DCZRX	24610B826	Delaware Small Cap Core R6	3,295.44	80,677.95	17.15	56,516.71	2.35%	1.29%
VB	922908751	Vanguard Small-Cap ETF	496.00	72,100.55	115.44	57,258.24	2.38%	1.31%
				\$152,778.50		\$113,774.95		2.60%
Small Cap Growth Funds								
RSEJX	92647Q363	Victory RS Small Cap Growth R6	968.29	77,915.09	61.72	59,762.86	2.48%	1.36%
VBK	922908595	Vanguard Small-Cap Growth ETF	365.00	69,887.98	150.3	54,859.50	2.28%	1.25%
				\$147,803.07		\$114,622.36		2.62%
Foreign Large Value Funds								
DODFX	256206103	Dodge & Cox International Stock	2,262.24	99,525.09	30.3	68,545.72	2.85%	1.56%
Foreign Large Blend Funds								
DFALX	233203868	DFA Large Cap International I	14,160.58	299,562.04	17.8	252,058.27	10.47%	5.75%
HEFA	46434V803	iShares Currency Hedged MSCI EAFE ETF	3,094.00	92,364.36	24.21	74,905.74	3.11%	1.71%
				\$391,926.40		\$326,964.01		7.46%
Foreign Large Growth Funds								
MGRDX	552746356	MFS International Growth R6	2,619.19	92,466.67	30.18	79,047.03	3.28%	1.80%
Diversified Emerging Markets								
HHHFX	41665X859	Hartford Schrodgers Emerging Mkts Eq F	7,919.60	122,591.77	12.73	100,816.44	4.19%	2.30%
				\$122,591.77		\$100,816.44		2.30%
TOTAL EQUITY				\$3,037,905.09		\$2,407,868.46		54.97%

ALTERNATIVES

Market Neutral

QMNIX	00191K799	AQR Equity Market Neutral I	2,833.71	30,799.46	8.69	24,624.90	1.02%	0.56%
BILPX	09250J734	BlackRock Event Driven Equity Instl	5,197.37	51,676.83	9.2	47,815.78	1.99%	1.09%
BSIKX	09260B374	BlackRock Strategic Income Opps K	2,585.63	25,288.96	9.33	24,123.94	1.00%	0.55%
				\$107,765.25		\$96,564.62		2.20%

HOLDINGS REPORT

El Toro Water District 401(k) - Balanced Income

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Managed Futures								
AQMIX	00203H859	AQR Managed Futures Strategy I	7,386.64	64,480.18	8.58	63,377.35	2.63%	1.45%
AMFNX	63873P825	Natixis ASG Managed Futures Strategy N	6,682.49	65,010.13	10.04	67,092.22	2.79%	1.53%
				\$129,490.31		\$130,469.57		2.98%
Merger Arbitrage								
ARBNX	03875R205	Arbitrage I	95.58	1,249.80	12.98	1,240.64	0.05%	0.03%
Global Macro								
EGRSX	27830W108	Eaton Vance Gbl Macro Abs Ret Advtg R6	7,125.42	71,918.63	9.4	66,978.98	2.78%	1.53%
LAOSX	95768D509	Western Asset Macro Opportunities IS	5,911.50	64,518.76	9.54	56,395.74	2.34%	1.29%
				\$136,437.39		\$123,374.72		2.82%
Fund of Hedge Funds								
BXMIX	09257V201	Blackstone Alternative Multi-Strategy I	6,776.62	72,672.50	9.1	61,667.26	2.56%	1.41%
QSPIX	00203H420	AQR Style Premia Alternative I	5,212.26	49,216.93	7.49	39,039.80	1.62%	0.89%
				\$121,889.43		\$100,707.06		2.30%
REITs								
ICF	464287564	iShares Cohen & Steers REIT ETF	914.00	101,226.05	91.58	83,704.12	3.48%	1.91%
TOTAL ALTERNATIVES				\$598,058.23		\$536,060.73		12.24%
TOTAL - ALL ASSETS				\$5,062,657.45		\$4,380,541.86		100.00%

INVESTMENT PORTFOLIO SUMMARY - BALANCED

El Toro Water District - 401(k) Plan

Account Number: XXX31389
Data as of: 03/31/2020

Portfolio Manager:
Keith Stribling, CFA

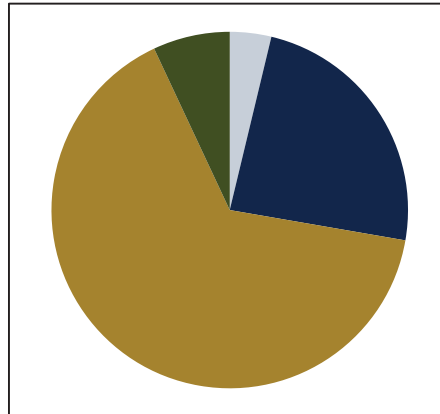
Account Snapshot

Asset Class	Market Value	Tax Cost	Est. Annual Income	Current Yield (%)
Cash & Equivalents	\$43,447.42	\$43,447.42	\$115.14	0.27%
Fixed Income	\$277,139.61	\$283,442.83	\$8,657.84	3.12%
Equities	\$755,117.13	\$865,626.06	\$15,948.07	2.11%
Alternatives	\$80,641.70	\$93,881.06	\$2,660.37	3.30%
Other	\$0.00	\$0.00	\$0.00	0.00%
Total	\$1,156,345.86	\$1,286,397.37	\$27,381.42	2.37%

Yields are gross of any fees and reflect the reinvestment of dividends and other income

Asset Allocation

3.8%	Cash & Equivalents
24.0%	Fixed Income
65.3%	Equities
7.0%	Alternatives
0.0%	Other



Income Summary (1, 2)

Cash & Equivalents Income Earned YTD	\$231
Taxable Fixed Income Income Earned YTD	\$2,009
Tax-Exempt Fixed Income Income Earned YTD	\$0
Equity Income Earned YTD	\$1,366
Alternative Income Earned YTD	\$48
Other Income Earned YTD	\$0
Total	\$3,654

Net Gain/Loss Summary (3)

	Realized	Unrealized
Net Short Term Gain/Loss	\$28	
Net Long Term Gain/Loss	\$2,472	
Total	\$2,500	-\$130,051

(1) As of 03/31/2020

(2) Information is calculated on a calendar year basis and includes income, dividends, and capital gain distributions

(3) Gain/Loss information is for informational purposes only.

HOLDINGS REPORT

El Toro Water District 401(k) - Balanced

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
CASH EQUIVALENTS								
MONEY MARKET FUNDS/CASH								
n.a.	n.a.	CASH	(953.8200)	(\$953.82)	1.00	(\$953.82)	-2.20%	-0.08%
FPZXX	n.a.	CASH FUND	44,401.24	\$44,401.24	1.00	\$44,401.24	102.20%	3.84%
TOTAL CASH				\$43,447.42		\$43,447.42		3.76%
FIXED INCOME								
Short-Term Bond Funds								
VFSUX	922031836	Vanguard Short-Term Investment-Grade Adm	2,929.74	30,982.52	10.5	30,762.28	12.43%	2.66%
				<u>\$30,982.52</u>		<u>\$30,762.28</u>		<u>2.66%</u>
Intermediate-Term Bond Funds								
DBLFX	258620301	DoubleLine Core Fixed Income I	4,952.27	53,922.01	10.62	52,593.06	21.26%	4.55%
DODIX	256210105	Dodge & Cox Income	3,954.86	54,424.73	13.8	54,577.08	22.06%	4.72%
PTRQX	744408884	PGIM Total Return Bond R6	3,864.12	56,366.44	13.9	53,711.21	21.71%	4.64%
PTTRX	693390700	PIMCO Total Return Instl	5,314.10	55,720.47	10.49	55,744.87	22.53%	4.82%
				<u>\$220,433.65</u>		<u>\$216,626.22</u>		<u>18.73%</u>
TOTAL FIXED INCOME				\$251,416.17		\$247,388.50		21.39%
EQUITY								
Large Cap Blend Funds								
COFYX	19766M709	Columbia Contrarian Core Inst3	5,624.55	124,508.18	22.44	126,214.86	16.71%	10.91%
VGIAX	921913208	Vanguard Growth & Income Adm	1,778.31	128,432.26	67.55	120,124.71	15.91%	10.39%
				<u>\$252,940.44</u>		<u>\$246,339.57</u>		<u>21.30%</u>
Large Cap Value Funds								
DODGX	256219106	Dodge & Cox Stock	328.38	60,548.15	134.55	44,182.86	5.85%	3.82%
PKAIX	72202L462	PIMCO RAE US Instl	5,388.13	57,786.78	8.36	45,044.78	5.97%	3.90%
IVE	464287408	iShares S&P 500 Value ETF	138.00	18,005.48	96.25	13,282.50	1.76%	1.15%
				<u>\$136,340.41</u>		<u>\$102,510.14</u>		<u>8.87%</u>
Large Cap Growth Funds								
HNACX	411512528	Harbor Capital Appreciation Retirement	837.77	55,071.43	66.77	55,937.84	7.41%	4.84%
LSITX	52469H255	ClearBridge Large Cap Growth IS	1,131.03	52,414.07	46.46	52,547.79	6.96%	4.54%
				<u>\$107,485.50</u>		<u>\$108,485.63</u>		<u>9.38%</u>

HOLDINGS REPORT

El Toro Water District 401(k) - Balanced

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Mid Cap Blend Funds								
VO	922908629	Vanguard Mid-Cap ETF	153.00	24,549.93	131.65	20,142.45	2.67%	1.74%
Small Cap Value Funds								
UBVFX	904504479	Undiscovered Managers Behavioral Val R6	747.33	47,050.02	37.17	27,778.18	3.68%	2.40%
Small Cap Blend Funds								
DCZRX	246108826	Delaware Small Cap Core R6	1,114.16	26,106.65	17.15	19,107.86	2.53%	1.65%
VB	922908751	Vanguard Small-Cap ETF	180.00	26,096.29	115.44	20,779.20	2.75%	1.80%
				\$52,202.94		\$39,887.06		3.45%
Small Cap Growth Funds								
RSEJX	92647Q363	Victory RS Small Cap Growth R6	272.97	21,982.58	61.72	16,847.89	2.23%	1.46%
VBK	922908595	Vanguard Small-Cap Growth ETF	104.00	19,913.29	150.3	15,631.20	2.07%	1.35%
				\$41,895.87		\$32,479.09		2.81%
Foreign Large Value Funds								
DODFX	256206103	Dodge & Cox International Stock	687.90	28,439.69	30.3	20,843.37	2.76%	1.80%
Foreign Large Blend Funds								
DFALX	233203868	DFA Large Cap International I	4,664.06	97,748.42	17.8	83,020.27	10.99%	7.18%
HEFA	46434V803	iShares Currency Hedged MSCI EAFE ETF	856.00	22,153.37	24.21	20,723.76	2.74%	1.79%
				\$119,901.79		\$103,744.03		8.97%
Foreign Large Growth Funds								
MGRDX	552746356	MFS International Growth R6	798.25	23,656.26	30.18	24,091.03	3.19%	2.08%
Diversified Emerging Markets								
HHHFX	41665X859	Hartford Schrodgers Emerging Mkts Eq F	2,263.68	31,163.21	12.73	28,816.58	3.82%	2.49%
				\$31,163.21		\$28,816.58		2.49%
TOTAL EQUITY				\$865,626.06		\$755,117.13		65.30%

ALTERNATIVES

Market Neutral

QMNIX	00191K799	AQR Equity Market Neutral I	479.25	5,377.88	8.69	4,164.68	0.55%	0.36%
BILPX	09250J734	BlackRock Event Driven Equity Instl	1,296.40	12,916.95	9.2	11,926.83	1.58%	1.03%
BSIKX	09260B374	BlackRock Strategic Income Opps K	642.82	6,348.16	9.33	5,997.46	0.79%	0.52%
				\$24,642.99		\$22,088.97		1.91%

HOLDINGS REPORT

El Toro Water District 401(k) - Balanced

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Managed Futures								
AQMIX	00203H859	AQR Managed Futures Strategy I	1,398.92	13,500.33	8.58	12,002.74	1.59%	1.04%
AMFNX	63873P825	Natixis ASG Managed Futures Strategy N	1,266.10	13,375.01	10.04	12,711.64	1.68%	1.10%
				\$26,875.34		\$24,714.38		2.14%
Merger Arbitrage								
ARBNX	03875R205	Arbitrage I	16.57	216.00	12.98	215.04	0.03%	0.02%
Global Macro								
EGRSX	27830W108	Eaton Vance Gbl Macro Abs Ret Advtg R6	1,285.61	12,825.57	9.4	12,084.75	1.60%	1.05%
LAOSX	95768D509	Western Asset Macro Opportunities IS	1,223.16	12,852.93	9.54	11,668.90	1.55%	1.01%
				\$25,678.50		\$23,753.65		2.05%
BXMIX	09257V201	Blackstone Alternative Multi-Strategy I	1,181.67	12,388.21	9.1	10,753.23	1.42%	0.93%
QSPIX	00203H420	AQR Style Premia Alternative I	1,372.07	13,432.93	7.49	10,276.80	1.36%	0.89%
				\$25,821.14		\$21,030.03		1.82%
REITs								
ICF	464287564	iShares Cohen & Steers REIT ETF	203.00	22,673.75	91.58	18,590.74	2.46%	1.61%
TOTAL ALTERNATIVES				\$125,907.72		\$110,392.81		9.55%
TOTAL - ALL ASSETS				\$1,286,397.37		\$1,156,345.86		100.00%

INVESTMENT PORTFOLIO SUMMARY - CAPITAL APPRECIATION

El Toro Water District - 401(k) Plan

Account Number: XXX71389
Data as of: 03/31/2020

Portfolio Manager:
Keith Stribling, CFA

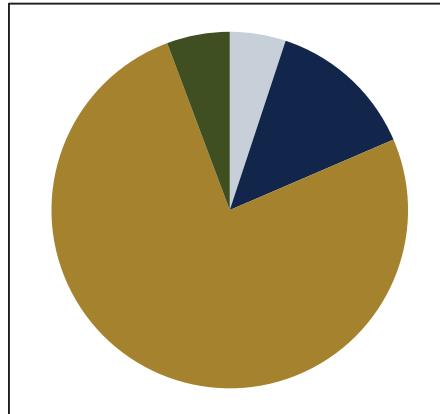
Account Snapshot

Asset Class	Market Value	Tax Cost	Est. Annual Income	Current Yield (%)
Cash & Equivalents	\$21,847.51	\$21,847.51	\$57.90	0.27%
Fixed Income	\$57,899.97	\$58,125.27	\$1,808.80	3.12%
Equities	\$326,029.26	\$409,829.75	\$6,885.74	2.11%
Alternatives	\$24,558.97	\$27,657.86	\$810.20	3.30%
Other	\$0.00	\$0.00	\$0.00	0.00%
Total	\$430,335.71	\$517,460.39	\$9,562.63	2.22%

Yields are gross of any fees and reflect the reinvestment of dividends and other income

Asset Allocation

5.1%	Cash & Equivalents
13.5%	Fixed Income
75.8%	Equities
5.7%	Alternatives
0.0%	Other



Income Summary (1, 2)

Cash & Equivalents Income Earned YTD	\$95
Taxable Fixed Income Income Earned YTD	\$400
Tax-Exempt Fixed Income Income Earned YTD	\$0
Equity Income Earned YTD	\$601
Alternative Income Earned YTD	\$15
Other Income Earned YTD	\$0
Total	\$1,111

Net Gain/Loss Summary (3)

	Realized	Unrealized
Net Short Term Gain/Loss	\$9	
Net Long Term Gain/Loss	\$551	
Total	\$561	-\$87,125

(1) As of 03/31/2020

(2) Information is calculated on a calendar year basis and includes income, dividends, and capital gain distributions

(3) Gain/Loss information is for informational purposes only.

HOLDINGS REPORT

El Toro Water District 401(k) - Capital Appreciation

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
CASH EQUIVALENTS								
MONEY MARKET FUNDS/CASH								
n.a.	n.a.	CASH	(283.7500)	(\$283.75)	1.00	(\$283.75)	-1.30%	-0.07%
FPZXX	n.a.	CASH FUND	22,131.26	\$22,131.26	1.00	\$22,131.26	101.30%	5.14%
TOTAL CASH				\$21,847.51		\$21,847.51		5.08%
FIXED INCOME								
Short-Term Bond Funds								
VFSUX	922031836	Vanguard Short-Term Investment-Grade Adm	493.24	5,191.54	10.5	5,179.05	10.55%	1.20%
				\$5,191.54		\$5,179.05		1.20%
Intermediate-Term Bond Funds								
DBLFX	258620301	DoubleLine Core Fixed Income I	998.56	10,675.09	10.62	10,604.69	21.61%	2.46%
DODIX	256210105	Dodge & Cox Income	801.25	10,768.13	13.8	11,057.31	22.53%	2.57%
PTRQX	744408884	PGIM Total Return Bond R6	790.55	11,125.40	13.9	10,988.63	22.39%	2.55%
PTTRX	693390700	PIMCO Total Return Instl	1,072.80	10,704.98	10.49	11,253.71	22.93%	2.62%
				\$43,273.60		\$43,904.34		10.20%
TOTAL FIXED INCOME				\$48,465.14		\$49,083.39		11.41%
EQUITY								
Large Cap Blend Funds								
COFYX	19766M709	Columbia Contrarian Core Inst3	2,359.89	62,801.21	22.44	52,955.98	16.24%	12.31%
VGIAX	921913208	Vanguard Growth & Income Adm	746.16	60,302.06	67.55	50,402.84	15.46%	11.71%
				\$123,103.27		\$103,358.82		24.02%
Large Cap Value Funds								
DODGX	256219106	Dodge & Cox Stock	144.17	29,027.50	134.55	19,398.07	5.95%	4.51%
PKAIX	72202L462	PIMCO RAE US Instl	2,406.52	27,579.48	8.36	20,118.52	6.17%	4.68%
IVE	464287408	iShares S&P 500 Value ETF	61.00	7,930.01	96.25	5,871.25	1.80%	1.36%
				\$64,536.99		\$45,387.84		10.55%
Large Cap Growth Funds								
HNACX	411512528	Harbor Capital Appreciation Retirement	379.48	28,173.73	66.77	25,337.81	7.77%	5.89%
LSITX	52469H255	ClearBridge Large Cap Growth IS	470.24	23,728.29	46.46	21,847.26	6.70%	5.08%
				\$51,902.02		\$47,185.07		10.96%

HOLDINGS REPORT

El Toro Water District 401(k) - Capital Appreciation

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Mid Cap Blend Funds								
VO	922908629	Vanguard Mid-Cap ETF	99.00	16,813.07	131.65	13,033.35	4.00%	3.03%
Small Cap Value Funds								
UBVFX	904504479	Undiscovered Managers Behavioral Val R6	308.14	20,889.35	37.17	11,453.49	3.51%	2.66%
Small Cap Blend Funds								
DCZRX	246108826	Delaware Small Cap Core R6	495.81	12,027.45	17.15	8,503.14	2.61%	1.98%
VB	922908751	Vanguard Small-Cap ETF	69.00	10,195.94	115.44	7,965.36	2.44%	1.85%
				\$22,223.39		\$16,468.50		3.83%
Small Cap Growth Funds								
RSEJX	92647Q363	Victory RS Small Cap Growth R6	116.56	9,402.43	61.72	7,193.84	2.21%	1.67%
VBK	922908595	Vanguard Small-Cap Growth ETF	41.00	7,850.42	150.3	6,162.30	1.89%	1.43%
				\$17,252.85		\$13,356.14		3.10%
Foreign Large Value Funds								
DODFX	256206103	Dodge & Cox International Stock	285.41	12,437.21	30.3	8,647.86	2.65%	2.01%
Foreign Large Blend Funds								
DFALX	233203868	DFA Large Cap International I	1,990.17	42,501.78	17.8	35,424.95	10.87%	8.23%
HEFA	46434V803	iShares Currency Hedged MSCI EAFE ETF	399.00	11,811.63	24.21	9,659.79	2.96%	2.24%
				\$54,313.41		\$45,084.74		10.48%
Foreign Large Growth Funds								
MGRDX	552746356	MFS International Growth R6	334.30	11,770.56	30.18	10,089.29	3.09%	2.34%
Diversified Emerging Markets								
HHHFX	41665X859	Hartford Schrodgers Emerging Mkts Eq F	939.84	14,587.63	12.73	11,964.16	3.67%	2.78%
				\$14,587.63		\$11,964.16		2.78%
TOTAL EQUITY				\$409,829.75		\$326,029.26		75.76%

ALTERNATIVES

Market Neutral

QMNIX	00191K799	AQR Equity Market Neutral I	177.66	1,884.29	8.69	1,543.89	0.47%	0.36%
BILPX	09250J734	BlackRock Event Driven Equity Instl	440.56	4,376.65	9.2	4,053.12	1.24%	0.94%
BSIKX	09260B374	BlackRock Strategic Income Opps K	194.90	1,905.67	9.33	1,818.37	0.56%	0.42%
				\$8,166.61		\$7,415.38		1.72%

HOLDINGS REPORT

El Toro Water District 401(k) - Capital Appreciation

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Managed Futures								
AQMIX	00203H859	AQR Managed Futures Strategy I	420.46	3,660.53	8.58	3,607.52	1.11%	0.84%
AMFNX	63873P825	Natixis ASG Managed Futures Strategy N	380.52	3,702.22	10.04	3,820.38	1.17%	0.89%
				<u>\$7,362.75</u>		<u>\$7,427.90</u>		<u>1.73%</u>
Merger Arbitrage								
ARBNX	03875R205	Arbitrage I	4.78	62.49	12.98	62.03	0.02%	0.01%
Global Macro								
EGRSX	27830W108	Eaton Vance Gbl Macro Abs Ret Advtg R6	383.63	3,872.70	9.4	3,606.11	1.11%	0.84%
LAOSX	95768D509	Western Asset Macro Opportunities IS	355.57	3,881.76	9.54	3,392.10	1.04%	0.79%
				<u>\$7,754.46</u>		<u>\$6,998.21</u>		<u>1.63%</u>
Fund of Hedge Funds								
BXMIX	09257V201	Blackstone Alternative Multi-Strategy I	330.69	3,545.83	9.1	3,009.27	0.92%	0.70%
QSPIX	00203H420	AQR Style Premia Alternative I	359.58	3,358.65	7.49	2,693.22	0.83%	0.63%
				<u>\$6,904.48</u>		<u>\$5,702.49</u>		<u>1.33%</u>
REITs								
ICF	464287564	iShares Cohen & Steers REIT ETF	63.00	7,067.20	91.58	5,769.54	1.77%	1.34%
TOTAL ALTERNATIVES				\$37,317.99		\$33,375.55		7.76%
TOTAL - ALL ASSETS				\$517,460.39		\$430,335.71		100.00%

INVESTMENT PORTFOLIO SUMMARY - GROWTH

El Toro Water District - 401(k) Plan

Account Number: XXX41389

Data as of: 03/31/2020

Portfolio Manager:

Keith Stribling, CFA

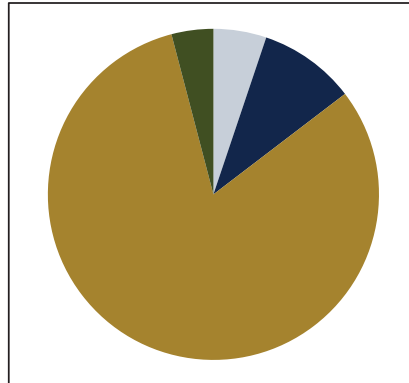
Account Snapshot

Asset Class	Market Value	Tax Cost	Est. Annual Income	Current Yield (%)
Cash & Equivalents	\$76,198.54	\$76,198.54	\$201.93	0.27%
Fixed Income	\$139,307.90	\$142,729.34	\$4,351.98	3.12%
Equities	\$1,198,052.43	\$1,411,449.22	\$25,302.87	2.11%
Alternatives	\$60,133.30	\$70,392.06	\$1,983.80	3.30%
Other	\$0.00	\$0.00	\$0.00	0.00%
Total	\$ 1,473,692	\$ 1,700,769	\$ 31,841	2.16%

Yields are gross of any fees and reflect the reinvestment of dividends and other income

Asset Allocation

5.2%	Cash & Equivalents
9.5%	Fixed Income
81.3%	Equities
4.1%	Alternatives
0.0%	Other



Income Summary (1, 2)

Cash & Equivalents Income Earned YTD	\$334
Taxable Fixed Income Income Earned YTD	\$982
Tax-Exempt Fixed Income Income Earned YTD	\$0
Equity Income Earned YTD	\$2,186
Alternative Income Earned YTD	\$37
Other Income Earned YTD	\$0
Total	\$3,538

Net Gain/Loss Summary (3)

	Realized	Unrealized
Net Short Term Gain/Loss	\$21,515	
Net Long Term Gain/Loss	\$124,926	
Total	\$146,441	-\$227,077

(1) As of 03/31/2020

(2) Information is calculated on a calendar year basis and includes income, dividends, and capital gain distributions

(3) Gain/Loss information is for informational purposes only.

HOLDINGS REPORT

El Toro Water District 401(k) - Growth

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
CASH EQUIVALENTS								
MONEY MARKET FUNDS/CASH								
n.a.	n.a.	CASH	(888.9700)	(\$888.97)	1.00	(\$888.97)	-1.17%	-0.06%
FPZXX	n.a.	CASH FUND	77,087.51	\$77,087.51	1.00	\$77,087.51	101.17%	5.23%
TOTAL CASH				\$76,198.54		\$76,198.54		5.17%
FIXED INCOME								
Short-Term Bond Funds								
VFSUX	922031836	Vanguard Short-Term Investment-Grade Adm	416.93	4,424.95	10.5	4,377.80	3.67%	0.30%
				\$4,424.95		\$4,377.80		0.30%
Intermediate-Term Bond Funds								
DBLFX	258620301	DoubleLine Core Fixed Income I	2,610.47	28,368.34	10.62	27,723.23	23.27%	1.88%
DODIX	256210105	Dodge & Cox Income	2,092.25	28,780.90	13.8	28,873.01	24.24%	1.96%
PTRQX	744408884	PGIM Total Return Bond R6	2,066.89	30,106.20	13.9	28,729.80	24.12%	1.95%
PTTRX	693390700	PIMCO Total Return Instl	2,804.69	29,269.99	10.49	29,421.21	24.70%	2.00%
				\$116,525.43		\$114,747.25		7.79%
TOTAL FIXED INCOME				\$120,950.38		\$119,125.05		8.08%
EQUITY								
Large Cap Blend Funds								
COFYX	19766M709	Columbia Contrarian Core Inst3	8,248.57	192,267.02	22.44	185,097.87	15.45%	12.56%
VGIAx	921913208	Vanguard Growth & Income Adm	2,664.09	196,314.08	67.55	179,959.21	15.02%	12.21%
				\$388,581.10		\$365,057.08		24.77%
Large Cap Value Funds								
DODGX	256219106	Dodge & Cox Stock	527.55	98,994.85	134.55	70,981.85	5.92%	4.82%
PKAIX	72202L462	PIMCO RAE US Instl	8,692.69	94,824.18	8.36	72,670.92	6.07%	4.93%
IVE	464287408	iShares S&P 500 Value ETF	248.00	32,289.22	96.25	23,870.00	1.99%	1.62%
				\$226,108.25		\$167,522.77		11.37%
Large Cap Growth Funds								
HNACX	411512528	Harbor Capital Appreciation Retirement	1,368.51	93,990.25	66.77	91,375.55	7.63%	6.20%
LSITX	52469H255	ClearBridge Large Cap Growth IS	1,826.62	87,180.22	46.46	84,864.81	7.08%	5.76%
				\$181,170.47		\$176,240.36		11.96%

HOLDINGS REPORT

El Toro Water District 401(k) - Growth

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Mid Cap Blend Funds								
VO	922908629	Vanguard Mid-Cap ETF	359.00	57,288.65	131.65	47,262.35	3.94%	3.21%
Small Cap Value Funds								
UBVFX	904504479	Undiscovered Managers Behavioral Val R6	1,183.66	75,874.42	37.17	43,996.53	3.67%	2.99%
Small Cap Blend Funds								
DCZRX	24610B826	Delaware Small Cap Core R6	1,753.50	41,181.96	17.15	30,072.44	2.51%	2.04%
VB	922908751	Vanguard Small-Cap ETF	250.00	37,035.82	115.44	28,860.00	2.41%	1.96%
				<u>\$78,217.78</u>		<u>\$58,932.44</u>		<u>4.00%</u>
Small Cap Growth Funds								
RSEJX	92647Q363	Victory RS Small Cap Growth R6	451.37	36,352.65	61.72	27,858.74	2.33%	1.89%
VBK	922908595	Vanguard Small-Cap Growth ETF	156.00	29,869.93	150.3	23,446.80	1.96%	1.59%
				<u>\$66,222.58</u>		<u>\$51,305.54</u>		<u>3.48%</u>
Foreign Large Value Funds								
DODFX	256206103	Dodge & Cox International Stock	1,172.51	48,950.41	30.3	35,526.90	2.97%	2.41%
Foreign Large Blend Funds								
DFALX	233203868	DFA Large Cap International I	7,131.07	153,351.93	17.8	126,933.12	10.59%	8.61%
HEFA	46434V803	iShares Currency Hedged MSCI EAFE ETF	1,777.00	47,014.12	24.21	43,021.17	3.59%	2.92%
				<u>\$200,366.05</u>		<u>\$169,954.29</u>		<u>11.53%</u>
Foreign Large Growth Funds								
MGRDX	552746356	MFS International Growth R6	1,314.40	41,709.61	30.18	39,668.56	3.31%	2.69%
Diversified Emerging Markets								
HHHFX	41665X859	Hartford Schrodgers Emerging Mkts Eq F	3,345.30	46,959.90	12.73	42,585.61	3.55%	2.89%
				<u>\$46,959.90</u>		<u>\$42,585.61</u>		<u>2.89%</u>
TOTAL EQUITY				\$1,411,449.22		\$1,198,052.43		81.30%

ALTERNATIVES

Market Neutral

QMNIX	00191K799	AQR Equity Market Neutral I	427.47	4,720.84	8.69	3,714.73	0.31%	0.25%
BILPX	09250J734	BlackRock Event Driven Equity Instl	1,000.32	9,946.77	9.2	9,202.96	0.77%	0.62%
BSIKX	09260B374	BlackRock Strategic Income Opps K	488.62	4,826.31	9.33	4,558.83	0.38%	0.31%
				<u>\$19,493.92</u>		<u>\$17,476.52</u>		<u>1.19%</u>

HOLDINGS REPORT

El Toro Water District 401(k) - Growth

As of First Quarter 2020

TICKER	CUSIP	ASSET NAME	SHARES/UNITS	COST BASIS	PRICE	MARKET VALUE (MV)	MV AS % OF ASSET TYPE	MV AS % OF TOTAL
Managed Futures								
AQMIX	00203H859	AQR Managed Futures Strategy I	943.79	9,016.08	8.58	8,097.73	0.68%	0.55%
AMFNX	63873P825	Natixis ASG Managed Futures Strategy N	854.05	8,874.29	10.04	8,574.69	0.72%	0.58%
				<u>\$17,890.37</u>		<u>\$16,672.42</u>		<u>1.13%</u>
Merger Arbitrage								
ARBNX	03875R205	Arbitrage I	11.50	150.77	12.98	149.24	0.01%	0.01%
Global Macro								
EGRSX	27830W108	Eaton Vance Gbl Macro Abs Ret Advtg R6	856.53	8,533.23	9.4	8,051.39	0.67%	0.55%
LAOSX	95768D509	Western Asset Macro Opportunities IS	793.78	8,419.42	9.54	7,572.63	0.63%	0.51%
				<u>\$16,952.65</u>		<u>\$15,624.02</u>		<u>1.06%</u>
Fund of Hedge Funds								
BXMIX	09257V201	Blackstone Alternative Multi-Strategy I	859.04	9,058.94	9.1	7,817.30	0.65%	0.53%
QSPIX	00203H420	AQR Style Premia Alternative I	837.84	8,350.48	7.49	6,275.41	0.52%	0.43%
				<u>\$17,409.42</u>		<u>\$14,092.71</u>		<u>0.96%</u>
REITs								
ICF	464287564	iShares Cohen & Steers REIT ETF	178.00	20,273.89	91.58	16,301.24	1.36%	1.11%
TOTAL ALTERNATIVES				\$92,171.02		\$80,316.15		5.45%
TOTAL - ALL ASSETS				\$1,700,769.16		\$1,473,692.17		100.00%

DISCLOSURES

HighMark Capital Management, Inc. (HighMark), an SEC-registered investment adviser, is a subsidiary of MUFG Union Bank, N.A. (MUB). HighMark manages institutional separate account portfolios for a wide variety of for-profit and nonprofit organizations, public agencies, public and private retirement plans, and personal trusts of all sizes. It may also serve as sub-adviser for mutual funds, common trust funds, and collective investment trusts. MUB, a subsidiary of MUFG Americas Holdings Corporation, provides certain services to HighMark and is compensated for these services. Past performance does not guarantee future results. Individual account management and construction will vary depending on each client's investment needs and objectives. Investments employing HighMark strategies are NOT insured by the FDIC or by any other Federal Government Agency, are NOT Bank deposits, are NOT guaranteed by the Bank or any Bank affiliate, and MAY lose value, including possible loss of principal.

Some information provided herein was obtained from third party sources deemed to be reliable; HighMark and its affiliates make no representations or warranties with respect to the timeliness, accuracy, or completeness of the information provided. Any information provided is subject to change without notice.

Benchmark returns do not reflect the deduction of advisory fees, custody fees, transaction costs, or other expenses of investing. An investor cannot invest directly in an index. The unmanaged S&P 500 Index is generally representative of the performance of large companies in the U.S. stock market. The MSCI EAFE Index (Europe, Australasia, Far East) is a free float-adjusted market capitalization index that is designed to measure developed market equity performance, excluding the U.S. & Canada. The Russell 2000 Index measures the performance of the 2,000 smallest companies in the Russell 3000 Index, which represents approximately 8% of the total market capitalization of the Russell 3000 Index. The unmanaged Barclays Capital (BC) U.S. Aggregate Bond Index is generally representative of the U.S. taxable bond market as a whole. The unmanaged BC 1-3 Year U.S. Government/Credit Index is a subset of the BC U.S. Government/Credit Index with maturities ranging from 1-3 years. The unmanaged Citigroup 3-month T-bill Index tracks the yield of the 3-month U.S. Treasury bill. Total returns assume the reinvestment of dividends and other earnings. Results for periods greater than one year are annualized.



STAFF REPORT

TO: BOARD OF DIRECTORS

MEETING DATE: May 28, 2020

FROM: Dennis Cafferty, General Manager

SUBJECT: Directors Compensation Policy

The recommended revisions to the Directors Compensation Policy represent an effort to ensure the Policy is consistent with the assignments and authorizations defined in the current version of the "Board/Staff Member Organizational and Standing Committee Assignments". The revisions represent a further effort to ensure the Policy remains consistent with the practice, understanding and direction of the Board relative to the submittal of Director's Compensation Reports.

A redline version of the document, identifying the proposed changes, as well as a clean version of the updated Directors Compensation Policy are enclosed.

RECOMMENDATION

Recommended Action: Staff recommends adopting Resolution No. 20-5-1 which amends the District's Directors Compensation Policy 1993-10 (IV).

RESOLUTION NO. 20-5-1

RESOLUTION OF THE BOARD OF DIRECTORS
OF EL TORO WATER DISTRICT
WHICH AMENDS THE DISTRICT'S
DIRECTORS COMPENSATION POLICY 1993-10 (IV)

RESOLUTION NO. 20-5-1

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE ELTORO WATER DISTRICT
AMENDING THE DISTRICT'S
DIRECTORS COMPENSATION POLICY 1993-10 (IV)

WHEREAS, the Board of Directors deems it to be in the best interest of the District to amend the District Directors Compensation Policy 1993-10 (IV)

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the El Toro Water District does hereby authorize and approve amending the above referenced Directors Compensation Policy 1993-10 (IV) as set forth in Exhibit "A" attached hereto, which Exhibit is by this reference incorporated herein.

ADOPTED, SIGNED AND APPROVED this 28th day of May 2020, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

MARK L. MONIN, President
El Toro Water District and the
Board of Directors thereof

(SEAL)

ATTEST:

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

Prepared by: Staff	EL TORO WATER DISTRICT POLICY STATEMENT 1993-10 (IV) DIRECTORS' COMPENSATION <u>POLICY</u>	Pages 1 of 3 <u>4</u> Item 7 Section IV
Approved by: Board of Directors		Date: 03/22/18 <u>05/28/20</u> Revision: 7 <u>8</u>

I. PURPOSE

- A. Directors in their role of providing governance for the El Toro Water District ("District") are required to: (1) Attend regular, special and committee meetings of the Board of Directors ("Board"); (2) perform assigned duties and responsibilities, as officers; (3) represent the District at industry and community events; and (4) attend industry specific conferences and educational events.
- B. The El Toro Water District ("District") shall adhere to Government Code Sections 53232 through 53232.4 when dealing with issues of director remuneration and reimbursement.

II. QUALIFIED EVENTS

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

- A. A meeting of the District's Board of Directors;
- B. A meeting of a Committee of the District's Board of Directors;
- C. 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.

Approved by Resolution: 93-9-2	Date: 09/16/93
Superseded by Resolution: 94-5-2	Date: 05/19/94
Superseded by Resolution: 99-7-2	Date: 07/15/99
Superseded by Resolution: 03-4-2	Date: 04/24/03
Superseded by Resolution 06-02-01	Date: 02/23/06
Superseded by Resolution 06-9-1	Date: 09/28/06
Superseded by Resolution 07-9-2	Date: 09/27/07
Superseded by Resolution 18-3-3	Date: 03/22/18
<u>Superseded by Resolution 20-5-1</u>	<u>Date: 05/28/20</u>

Prepared by: Staff	EL TORO WATER DISTRICT POLICY STATEMENT 1993-10 (IV) DIRECTORS' COMPENSATION <u>POLICY</u>	Pages 2 of 3 <u>4</u> Item 7 Section IV
Approved by: Board of Directors		Date: 03/22/18 <u>05/28/20</u> Revision: 7 <u>8</u>

D. Official Business Representing the District (subject to the prior approval of the President or Board) at the following non-exclusive functions and activities:

1. South Orange County Wastewater Authority Board of Directors (SOCWA)
- ~~2.~~ SOCWA Finance Committee
- ~~2.3.~~ Santiago Aqueduct Commission (SAC)
- ~~4.~~ MWDOC Board Meetings
- ~~5.~~ MWDOC Administration & Finance Committee Meeting
- ~~6.~~ MWDOC Public Affairs & Legislation Committee Meeting
- ~~3.7.~~ MWDOC Planning & Operations Committee Meeting
- ~~4.8.~~ Local Agency Formation Commission (LAFCO)
- ~~5.9.~~ Water Advisory Committee of Orange County (WACO)
- ~~6.10.~~ WACO Planning Committee
- ~~7.11.~~ Independent Special Districts of Orange County (ISDOC)
- ~~8.12.~~ Local TV-Appearances
- ~~13.~~ Orange County Water Association (OCWA)
- ~~14.~~ WaterReuse of Orange County
- ~~15.~~ Joint Powers Insurance Authority
- ~~16.~~ South OC Watershed Management Area Executive Committee
- ~~9.17.~~ South Orange County Agencies' Group Meeting
- ~~18.~~ Local Chamber of Commerce Functions
- ~~40.19.~~ City Council Meetings in the Cities served by the District
- ~~41.20.~~ Meetings between Board President and Vice President.
- ~~42.21.~~ Meetings between Board President ~~or Executive Committee~~ and District General Manager or Attorney
- ~~13.~~ ~~Fulfilling the duties of Treasurer~~
- ~~22.~~ Other functions defined in the "Board/Staff Organizational and Standing Committee Assignments" as periodically revised and adopted by Resolution of the Board of Directors
~~Other functions and activities determined on an Ad Hoc basis as being beneficial to the District's operations.~~

Prepared by: Staff	EL TORO WATER DISTRICT POLICY STATEMENT 1993-10 (IV) DIRECTORS' COMPENSATION <u>POLICY</u>	Pages 3 of <u>34</u> Item 7 Section IV
Approved by: Board of Directors		Date: <u>03/22/1805/28/20</u> Revision: <u>78</u>

E. Other functions and activities determined on an Ad Hoc basis as being beneficial to the District as approved by the Board President or the Board.

III. COMPENSATION

- A. When serving in the above capacity a Director shall receive a per diem compensation as established by Ordinance of the District for "each day" so served, at the request of the Board. Only one per diem compensation will be paid for each calendar day (regardless of the number of meetings or events attended on a calendar day) up to the maximum number of days permitted by the District's Ordinance (which presently is set at 10 in any calendar month – Ordinance No. 2018-1). Attendance at meetings and conferences shall be deemed to have been rendered "at the request of the Board" if (1) the Director's attendance is requested through posting of a notice of a District meeting; (2) the Director's attendance is requested by the President of the Board; or (3) the Director's attendance is approved by Board action at a regular or special meeting of the Board of Directors.
- B. Directors shall submit their compensation report form to the District office within the first week of each month for the prior month. The Board President, or the General Manager ~~or designated representative~~ will approve and sign director compensation forms before payment can be processed. The Board President's compensation Form shall be approved by the General Manager or Assistant General Manager.
- C. It is against the law to falsify compensation reports. Penalties for misuse of public resources or violating this policy may include, but are not limited to, the following:
 1. Restitution to the District;
 2. Civil penalties for misuse of public resources pursuant to Government Code Section 8314; and
 3. 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	EL TORO WATER DISTRICT POLICY STATEMENT 1993-10 (IV) DIRECTORS' COMPENSATION <u>POLICY</u>	Pages 4 of 3 <u>4</u> Item 7 Section IV
Approved by: Board of Directors		Date: 03/22/18 <u>05/28/20</u> Revision: 7 <u>8</u>

- D. In the event of a dispute or misunderstanding regarding compensation, the matter shall be reviewed by two members of the Board appointed by the Board (other than the Board member whose account is being questioned) and their findings and recommendations will be transmitted to the Board for a determination. The Board determination ~~and~~ shall be final.
- E. Changes in the compensation of Board members will require the approval of the Board during an open meeting of the Board held at least 60 days prior to the effective date of the change, no more than once in any twelve-month period.

Prepared by: Staff	EL TORO WATER DISTRICT POLICY STATEMENT 1993-10 (IV) DIRECTORS COMPENSATION POLICY	Pages 1 of 4 Item 7 Section IV
Approved by: Board of Directors		Date: 05/28/20 Revision: 8

I. PURPOSE

- A. Directors in their role of providing governance for the El Toro Water District ("District") are required to: (1) Attend regular, special and committee meetings of the Board of Directors ("Board"); (2) perform assigned duties and responsibilities, as officers; (3) represent the District at industry and community events; and (4) attend industry specific conferences and educational events.
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Approved by Resolution:	93-9-2	Date:	09/16/93
Superseded by Resolution:	94-5-2	Date:	05/19/94
Superseded by Resolution:	99-7-2	Date:	07/15/99
Superseded by Resolution:	03-4-2	Date:	04/24/03
Superseded by Resolution:	06-02-01	Date:	02/23/06
Superseded by Resolution:	06-9-1	Date:	09/28/06
Superseded by Resolution:	07-9-2	Date:	09/27/07
Superseded by Resolution:	18-3-3	Date:	03/22/18
Superseded by Resolution:	20-5-1	Date:	05/28/20

Prepared by: Staff	EL TORO WATER DISTRICT POLICY STATEMENT 1993-10 (IV) DIRECTORS COMPENSATION POLICY	Pages 2 of 4 Item 7 Section IV
Approved by: Board of Directors		Date: 05/28/20 Revision: 8

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1. South Orange County Wastewater Authority Board of Directors (SOCWA)
2. SOCWA Finance Committee
3. Santiago Aqueduct Commission (SAC)
4. MWDOC Board Meeting
5. MWDOC Administration & Finance Committee Meeting
6. MWDOC Public Affairs & Legislation Committee Meeting
7. MWDOC Planning & Operations Committee Meeting
8. Local Agency Formation Commission (LAFCO)
9. Water Advisory Committee of Orange County (WACO)
10. WACO Planning Committee
11. Independent Special Districts of Orange County (ISDOC)
12. Local TV-Appearances
13. Orange County Water Association (OCWA)
14. WaterReuse of Orange County
15. Joint Powers Insurance Authority
16. South OC Watershed Management Area Executive Committee
17. South Orange County Agencies' Group Meeting
18. Local Chamber of Commerce Functions
19. City Council Meetings in the Cities served by the District
20. Meetings between Board President and Vice President
21. Meetings between Board President and District General Manager or Attorney
22. Other functions defined in the "Board/Staff Organizational and Standing Committee Assignments" as periodically revised and adopted by Resolution of the Board of Directors

E. Other functions and activities determined on an Ad Hoc basis as being beneficial to the District as approved by the Board President or the Board.

Prepared by: Staff	<p style="text-align: center;">EL TORO WATER DISTRICT POLICY STATEMENT 1993-10 (IV)</p> <p style="text-align: center;">DIRECTORS COMPENSATION POLICY</p>	Pages 3 of 4 Item 7 Section IV
Approved by: Board of Directors		Date: 05/28/20 Revision: 8

III. COMPENSATION

- A. When serving in the above capacity a Director shall receive a per diem compensation as established by Ordinance of the District for “each day” so served, at the request of the Board. Only one per diem compensation will be paid for each calendar day (regardless of the number of meetings or events attended on a calendar day) up to the maximum number of days permitted by the District’s Ordinance (which presently is set at 10 in any calendar month – Ordinance No. 2018-1). Attendance at meetings and conferences shall be deemed to have been rendered “at the request of the Board” if (1) the Director’s attendance is requested through posting of a notice of a District meeting; (2) the Director’s attendance is requested by the President of the Board; or (3) the Director’s attendance is approved by Board action at a regular or special meeting of the Board of Directors.

- B. Directors shall submit their compensation report form to the District office within the first week of each month for the prior month. The Board President or the General Manager will approve and sign director compensation forms before payment can be processed. The Board President’s compensation Form shall be approved by the General Manager or Assistant General Manager.

- C. It is against the law to falsify compensation reports. Penalties for misuse of public resources or violating this policy may include, but are not limited to, the following:
 1. Restitution to the District;
 2. Civil penalties for misuse of public resources pursuant to Government Code Section 8314; and
 3. 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	EL TORO WATER DISTRICT POLICY STATEMENT 1993-10 (IV) DIRECTORS COMPENSATION POLICY	Pages 4 of 4 Item 7 Section IV
Approved by: Board of Directors		Date: 05/28/20 Revision: 8

- D. In the event of a dispute or misunderstanding regarding compensation, the matter shall be reviewed by two members of the Board appointed by the Board (other than the Board member whose account is being questioned) and their findings and recommendations will be transmitted to the Board for a determination. The Board determination shall be final.

- E. Changes in the compensation of Board members will require the approval of the Board during an open meeting of the Board held at least 60 days prior to the effective date of the change, no more than once in any twelve-month period.



STAFF REPORT

TO: BOARD OF DIRECTORS

MEETING DATE: May 28, 2020

FROM: Dennis Cafferty, General Manager

SUBJECT: COVID-19 Response

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

Board Meetings – The District Board meetings will continue to be conducted remotely through the Zoom Conference system until further notice. Live meetings will resume at the Direction of the Board when the Board feels it is safe an appropriate.

Public Outreach –Staff participated in a Zoom interview of the General Manager on Laguna Woods Television. Staff, working with Media 55, recently filmed a Public Service Announcement type video to convey critical messaging regarding the District's COVID-19 response. The PSA is currently being edited for airing on Laguna Woods Television as well as posting on the District's website.

Customer Billing – The District is continuing to read meters and issue monthly bills. The District acknowledges the extreme financial hardship certain customers may be facing. Non-pay shutoffs have been suspended. Staff is tracking late payments and associated revenue impacts. The incidence of late payments or customers communicating that they are unable to pay their bill due to the financial crisis associated with the COVID-19 pandemic has been significantly less than feared or anticipated. This is evidenced both

by feedback from the District Customer Service staff as well the documentation of aged receivables in the April Finance Report that notes a return of aged receivables to relatively normal levels. Staff will continue to closely monitor billing for any further indication of trends or patterns.

Material Supplies – The District currently has an adequate supply of critical items. The District Purchasing Agent notes that the stability of the District's supply chain has largely been restored.

Janitorial Services & Cleaning – The District's janitorial service continues to clean the District offices seven days per week including an effort to target common surfaces in the District buildings.

Face Coverings (Masks) – District staff have been provided with written guidelines defining the requirement to wear a face covering while at work. Both disposable masks and washable cloth masks have been provided to the District employees.

FEMA – The District is carefully tracking and documenting all costs associated with the emergency response to the COVID-19 pandemic. It is uncertain which, if any, costs will be recoverable. District staff is working to ensure the District is positioned properly for recovery to the extent there is any recoverable costs.

Staffing – The District has taken aggressive steps to accomplish social distancing by modifying work schedules in an effort to minimize the physical interaction of District staff. The staffing modifications currently in place include the following:

- **At-Risk Employees** - The District has advised four employees that are older than 65 years of age to remain home.
- **Tele Commuting** - The District is continuing to work towards a "tele-commuting" capability where feasible. There are approximately 12 employees that are working remotely, coming to the office only as necessary.
- **Field Operations** – Most of the Operations Department has transitioned to a 50/50 schedule. Under this schedule the crews have been split in half and work in two separate shifts. Each shift works different days resulting in a 50% reduction in the number of people on duty at any given time. Staff is assigned to only one shift to avoid cross contamination if someone falls ill. This approach has a significant benefit in the effort to achieve social distancing. Staff that is not on shift remains available to respond immediately in the event of an emergency.

- Main Office – As noted above, a significant portion of the administration staff has converted to varying degrees of tele-commuting. Those that continue to report to the office have adopted a similar split schedule as the Operations Department. The combination of split schedules and tele-commuting has reduced staff in the Main Office by as much as 70%.
- Child Care – All of the Orange County schools closed on March 13 presenting child care challenges for certain employees. The District is accommodating those staff needs in the schedules defined above.
- Social Distancing – The District's management staff continues to aggressively remind and require all staff that remain physically at work of the extreme need to practice social distancing of a minimum of six feet as well as the need to follow CDC guidelines regarding hand washing and other personal hygiene. Staff has been further advised that face coverings are not a substitute for practicing physical distancing and frequent handwashing.
- Illness – While none of the District staff has been diagnosed with COVID-19, the staffing schedule is nimble enough to make modifications for any employees that are sick or subject to quarantine due to exposure.
- Business Resumption Plan – While the District continues to monitor both external and internal conditions, staff has begun to plan for a transition back to a more normal staffing level. The District's management team has assembled a draft "Business Resumption Plan" that is currently being reviewed. The goal is to achieve a transition back to the fully productive workforce in a manner that is both safe and appropriate.

Emergency Administrative Leave – At the March Board meeting the Board approved an amendment to the District's Employee Handbook that created a leave category known as Emergency Administrative Leave (EAL). EAL is used to accommodate the modified schedules the District has implemented to achieve compliance with social distancing guidelines. District staff are assigned to certain shifts that minimize the amount of physical interaction of District employees. These shifts result in many employees spending less than 40 hours per week physically working on assigned tasks at the District's facilities. During the balance of the 40 hour work week, employees are assigned to their home and are available to return when called to meet operational or emergency needs. The time the employees are assigned to their homes is coded as Emergency Administrative Leave on their timecards. The typical employees will use 10-15 hours per week of EAL, but certain employees that have been advised to remain home due to their potential vulnerability to the COVID-19 disease are relying on EAL nearly completely. The amendment to the Employee Handbook gave the General Manager the discretion to grant up to 160 hours per employee of EAL. The amendment further noted that *"The extension of EAL beyond the original 160 hours per employee defined herein may be granted with the approval of the Board of Directors."*

The original allocation of EAL was intended to cover the period until the next Board meeting at which a request for extension could be considered if necessary. An extension of the EAL allocation was approved by the Board at the April Board meeting. While the District is contemplating a resumption of fuller staffing levels, that transition will still require the use of some level of EAL at least until the June Board meetings. Staff is recommending the Board authorize the General Manager to provide an additional 160 hours of EAL per employee, as necessary. Further consideration of the EAL requirement will be considered based on current conditions at the June Board meeting.

Recommended Action: Staff recommends the Board of Directors grant the General Manager discretion to extend the use of Emergency Administrative Leave, as necessary up to an additional 160 hours per employee, until the June 25 meeting of the Board of Directors.

GENERAL MANAGER'S REPORT

May 2020

I. OFFICE OF THE GENERAL MANAGER

All meetings conducted virtually.

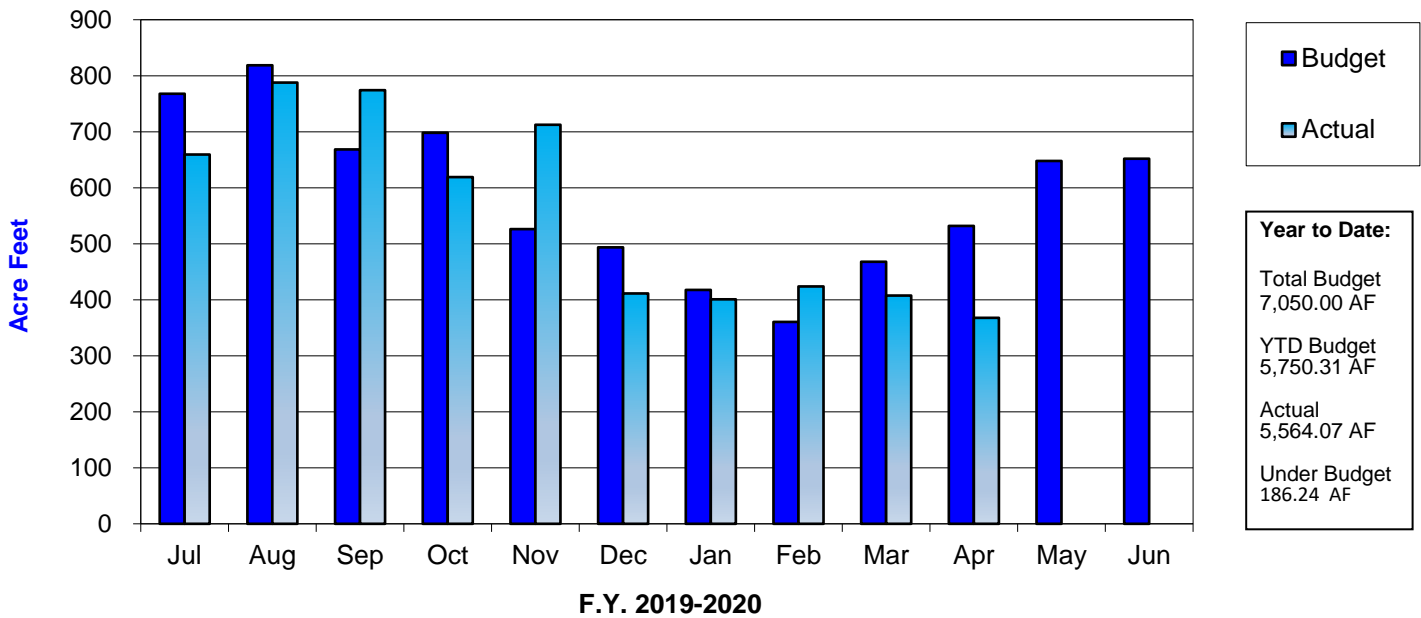
- Attended Regular Board Meeting
- Attended Special Board Meeting
- Attended Budget Committee Meeting No. 1
- Attended Budget Committee Meeting No. 2
- Attended RRC Committee Meeting
- Attended Agenda Review Committee Meeting
- Attended Regular Engineering & Finance Committee Meeting
- Attended Chair/GM Meetings
- Conducted All Employee Meeting
- Attended District EOC Action Plan Briefings
- Participated in Zoom Interview on Laguna Woods Television
- Attended Meeting with SMWD to discuss Caltrans Utility Relocations
- Attended SOCWA Managers COVID-19 Update Meetings
- Attended SOCWA Special Finance Committee Meeting
- Attended SOCWA Board Meeting
- Attended Meeting with SOCWA Consultant Regarding the SOCWA UAL Payments
- Attended MWDOC/MET Directors Workshop
- Attended MWDOC P&O Committee Meeting
- Attended MWDOC A&F Committee Meeting
- Attended MWDOC Board Meeting
- Attended MWDOC Managers Meetings
- Attended Meeting with Directors Monin and Gaskins with MWDOC Director Tamaribuchi
- Attended MWDOC Coordinated AMP Shutdown Coordination Meeting
- Attended ISDOC General Managers Meeting
- Attended Community Advisory Group Meeting
- Attended Meeting with DDW District Engineer – Oliver Pacifico

II. DOMESTIC AND RECYCLED WATER SALES

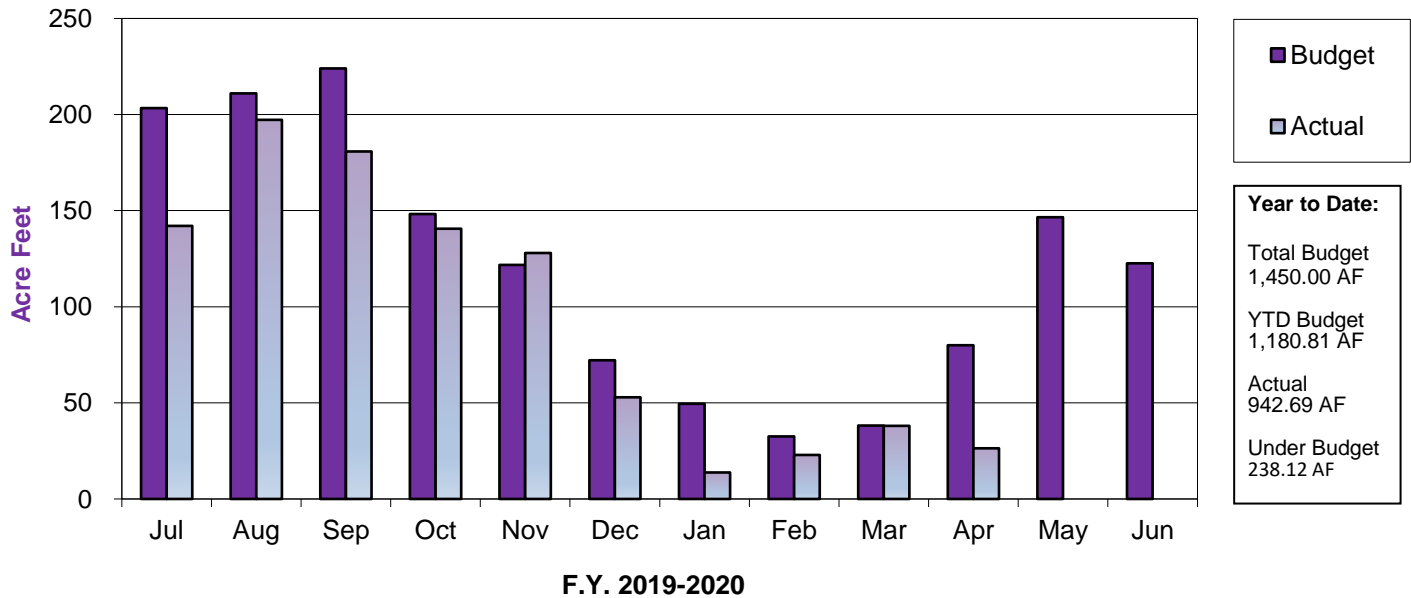
Actual domestic sales for the year-to-date as of April 30, 2020 are 5,564.07 acre-feet. This compares to year-to-date budgeted domestic sales of 5,750.31 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 186.24 acre-feet. Actual sales are 33.10 acre-feet higher than last year-to-date actual sales for the same period.

Actual recycled sales for the year-to-date as of April 30, 2020 are 942.69 acre-feet. This compares to year-to-date budgeted recycled sales of 1,180.81 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 238.12 acre-feet. Actual sales are 6.96 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	APRIL 2020	APRIL 2019	Telephone Calls	APRIL 2020	APRIL 2019
Serviceman Dispatched to Read, Connect/Disconnect Service	57	92	Change of Service: Connections and Disconnections	45	113
Field Investigations:			Billing / Payments & Graph Inquires	233	316
Check for leaks - calls to CS Office:(irrigation,meter,street leaks)			Assistance with online payments and ETWD's portal (cc, e-checks, other.)	48	85
Customer Responsible	17	36	Variance / Adjustment Inquiries	33	41
District Responsible	8	7	Variance / Adjustment Requests Processed	7	16
None found/other	18	14	Ordinance Infraction / Water Waste Complaints	0	1
High Reads Checked - High Consumption (Billing Dept.)	5	15			
Cust Leaks: _2_ No Leaks: _3_					
Check Stopped Slowed Meters-Low Consumption (Billing)	8	7	Outside Utility Districts	33	67
Re-Check Read	5	7	Phone calls Transfer to other Departments within ETWD	34	129
Ordinance Infraction	0	3	Phone calls for the Board of Directors	0	1
Recycled Water	0	1	Recycled Water	0	0
Water Quality: Taste / Odor / Color	1	1	Water Quality Taste - Odor - Color	3	4
Phone response: _0_ Field response: _1_			Leaks / Breaks	19	11
Flooding (Hydrant) Meters issued	1	0	Flooding Meter calls (Hydrant)	1	1
Sewer - Odor/Stoppage/ Manhole Covers	3	0	Sewer Problems (odor / spills)	3	2
Meter Box: Lids / Covers Replaced	5	26			
Meter Box Clean, Digout	13	5	Backflow / Cross Connection (questions or yearly testing forms)	3	5
			ETWD facilities inquiries:		
Raised Meter Box	2	0	Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	3	6
Trim Bushes / Meter Obstruction	19	24			
General Maintenance Response	3	8	Tyco (ADT) Calls (Alarms to ETWD facilities)	3	2
Fire Hydrants: Hit / Leaks / Caps	0	0	ATT Calls (access to tower sites)	0	1
Pressure(psi) Checks / Reads	4	4	SCE Calls (access to tower sites)	0	0
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	6	14	Pager Calls specifically for Pump Stations - SCADA	0	0
AMS angle-meter-stop replace/repair	1	1			
Bees Removed	1	0			
Backflow / Cross Connection	4	6	Payment Extensions	12	66
Fogged Registers	10	83	Delinquent Payment Calls to Customer 's prior to shut off per billing calendar (automatic courtesy dialer)	0	42
			Return Calls from customers left on our voice mail system. Ext 500	6	14
OMCOP: Old Meter Change - Out Program	1	6	Email Correspondence:	117	47
Other: (uncommon non-maintenance calls)	4	13	Maintenance Service Order Requests (bees, psi, fogged-dirty registers)	4	0
On-Call After Hrs. CS Response	11	28	Misc. (other: employment, deliveries, sales calls)	29	47
# 48/24 Hr. Door Hangers Hung	0	141			
# Locked Off For Non-Pay (Disconnect)	0	11			
Removed Meter	0	0			
New Meter	2	1			
Unread Meters	13	7			
Total Field Investigations	222	561	Total Telephone Calls	636	1017
Uncollectible Accounts:			Credit Card Payments	APRIL 2020	APRIL 2019
Budget YTD	\$16,667.00	\$ 16,667.00	REGULAR	873	\$85,660.95
Actual YTD	\$ 6,509.00	\$ 5,887.00		707	\$68,539.03

(WRP) Tertiary Treatment Plant

Apr.20

Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.170	0.375	0.104	0.649
Total Q MG	5.093	11.254	3.121	19.468
Total Acre Feet	15.630	34.537	9.578	59.745
*No Potable Water Was Used to Supplement				
The Demand for Recycled Water in The Month of April				

2020



CHLORINE RESIDUAL MONITORING

April

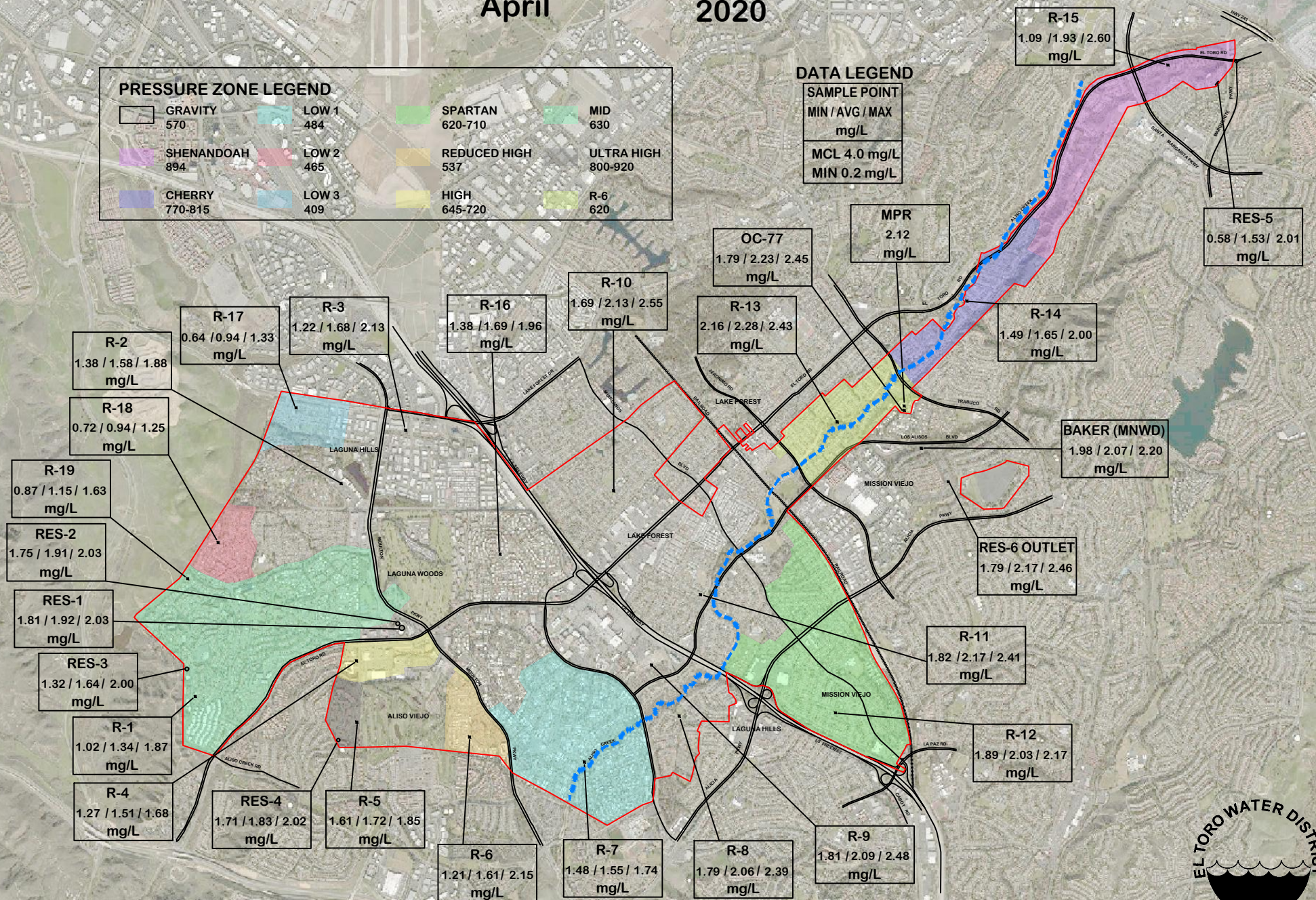
2020

PRESSURE ZONE LEGEND

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

DATA LEGEND

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



FLUORIDE MONITORING

April

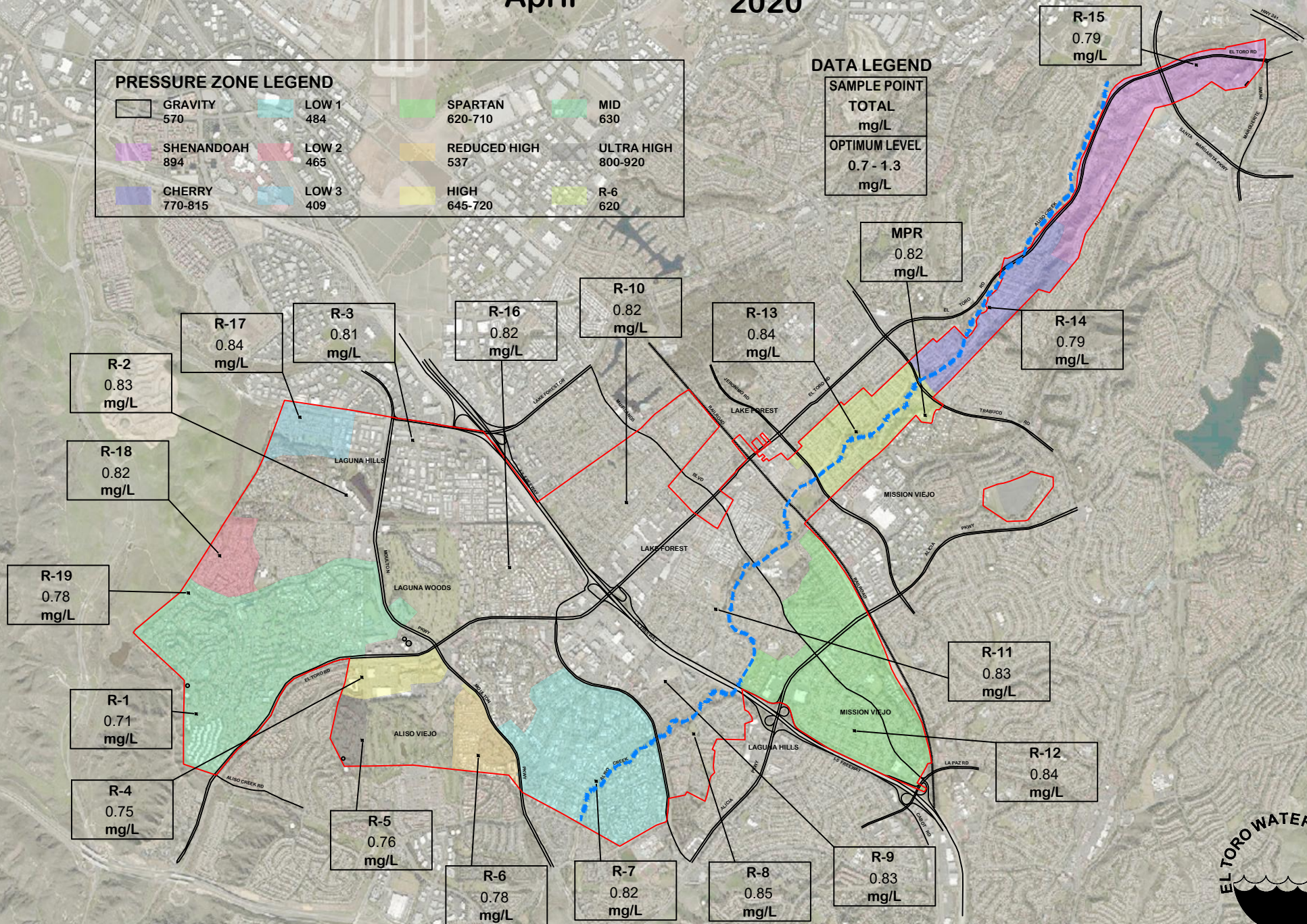
2020

PRESSURE ZONE LEGEND

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

DATA LEGEND

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



NITRITE MONITORING

April

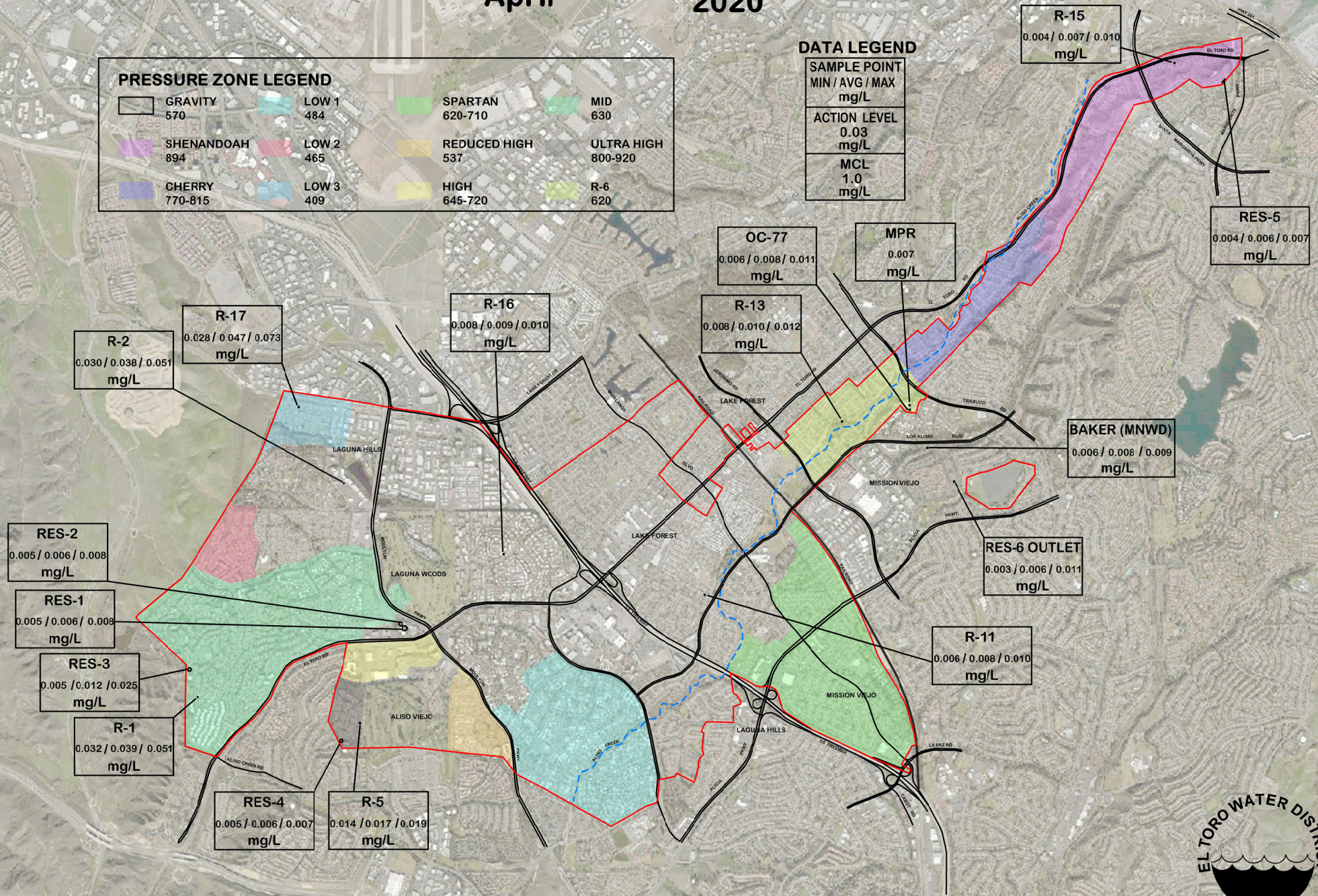
2020

PRESSURE ZONE LEGEND

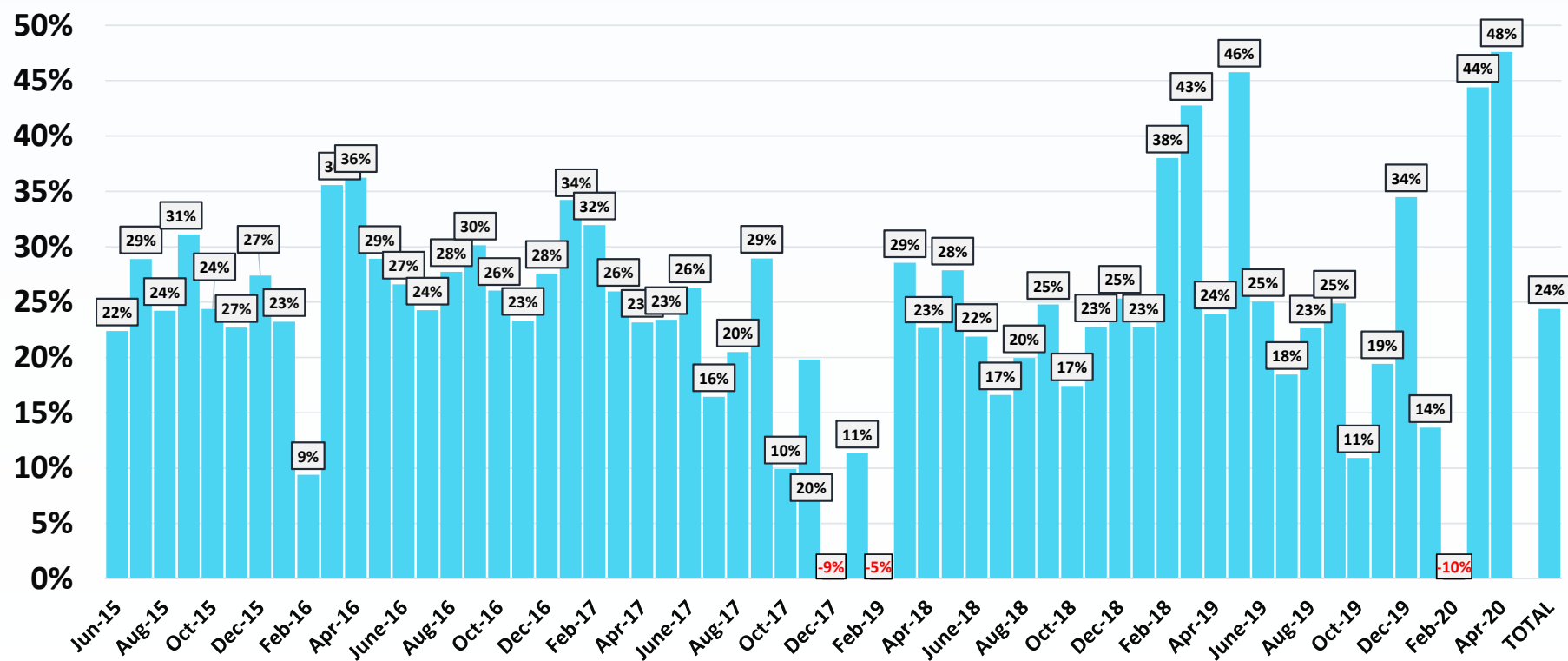
GRAVITY 570	LOW 1 484	SPARTAN 620-710	MID 630
SHENANDOAH 894	LOW 2 465	REDUCED HIGH 537	ULTRA HIGH 800-920
CHERRY 770-815	LOW 3 409	HIGH 645-720	R-6 620

DATA LEGEND

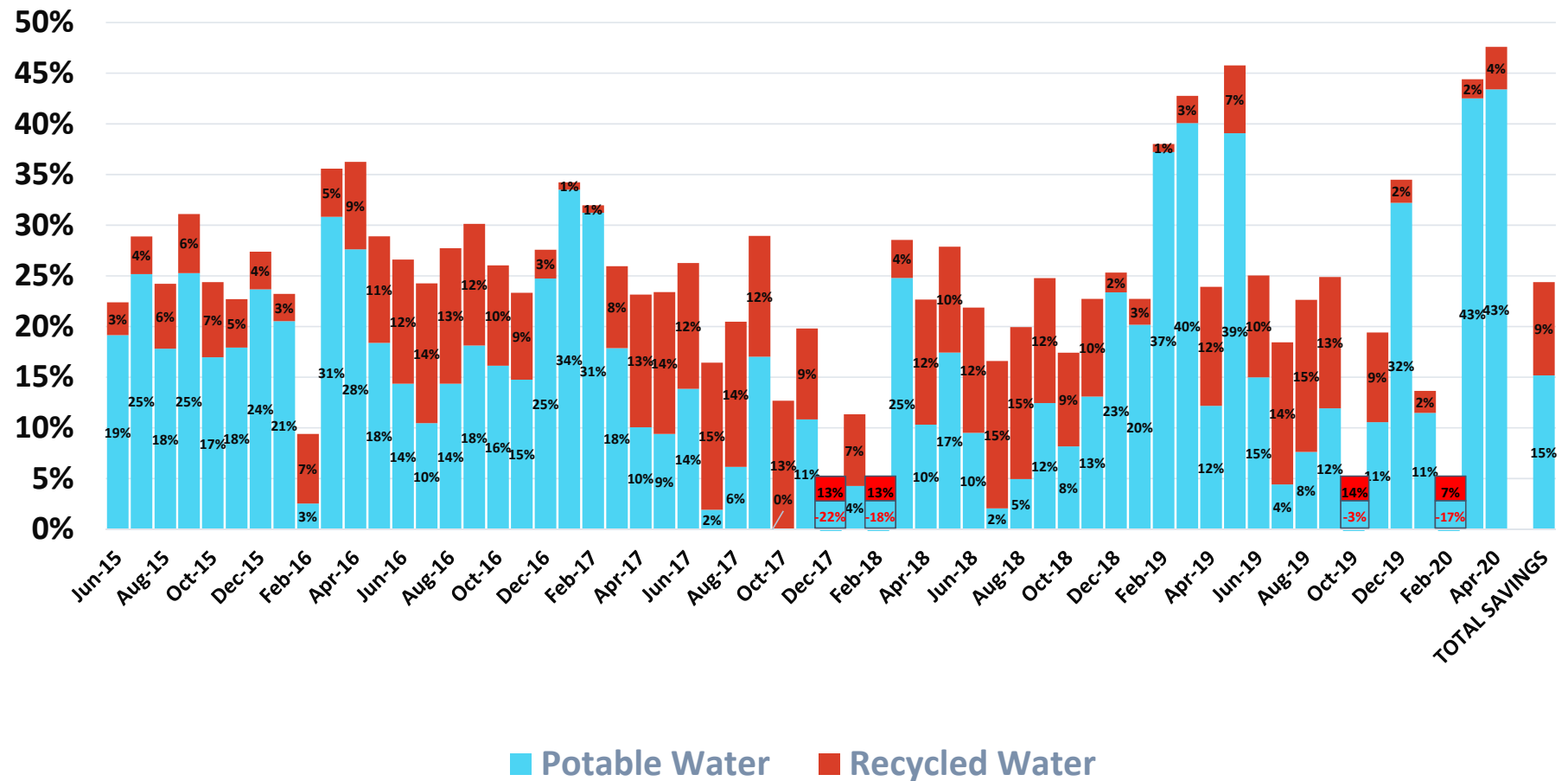
SAMPLE POINT MIN / AVG / MAX mg/L
ACTION LEVEL 0.03 mg/L
MCL 1.0 mg/L



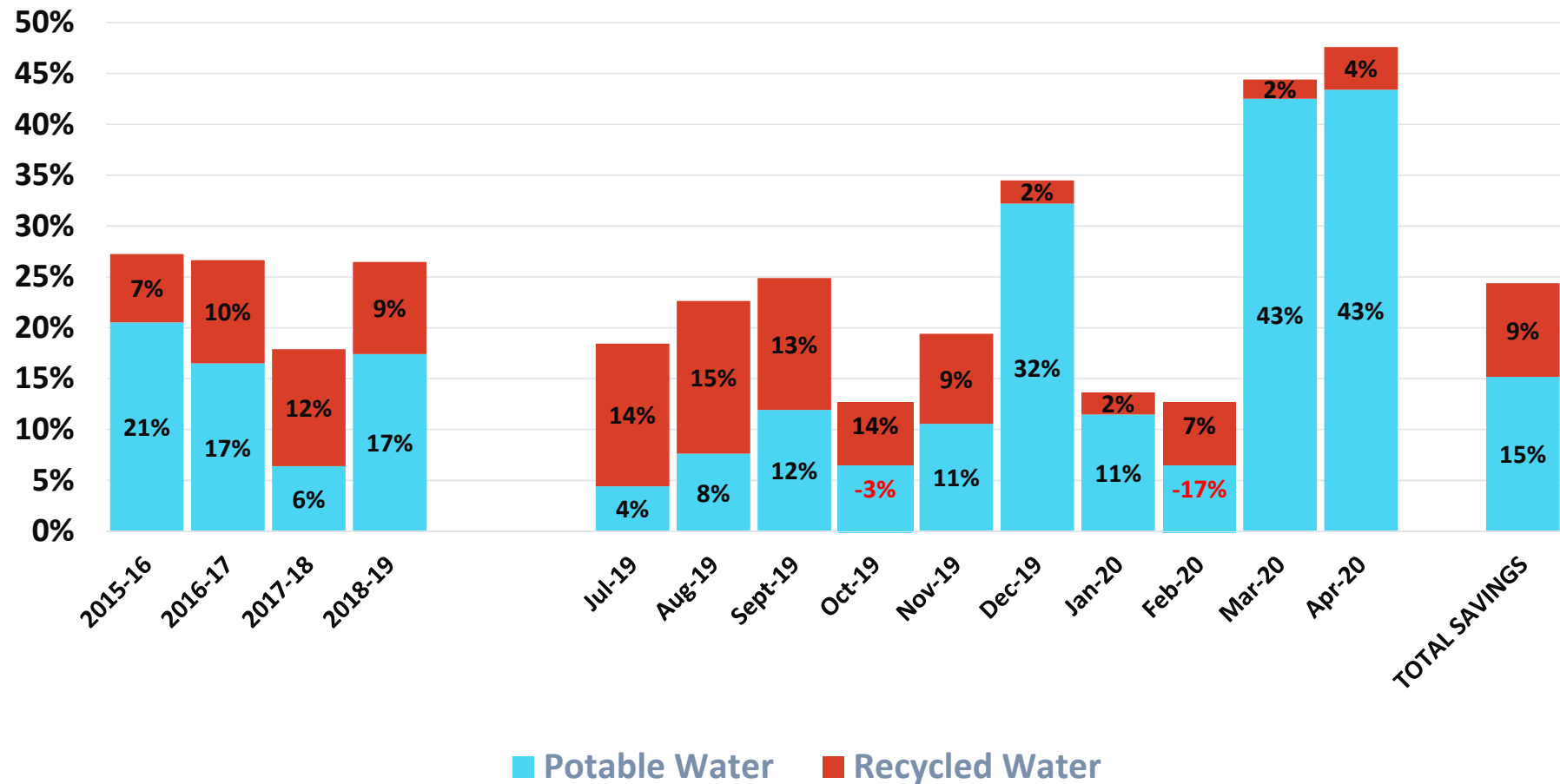
ETWD WATER SAVINGS COMPARED TO 2013



ETWD WATER SAVINGS COMPARED TO 2013



ETWD WATER SAVINGS COMPARED TO 2013





Water Supply Conditions Report

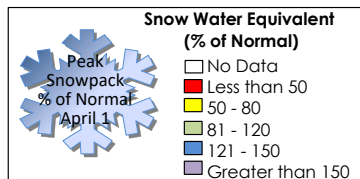
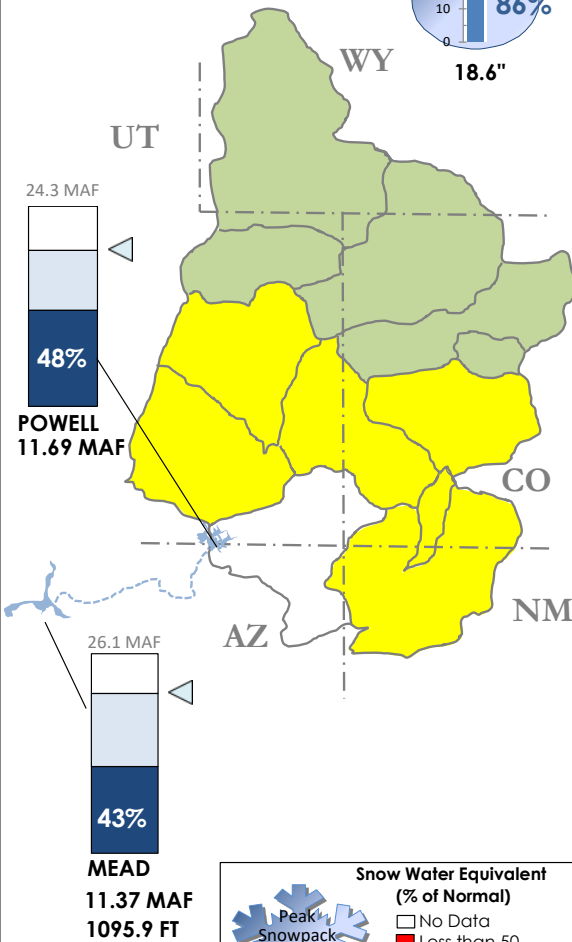
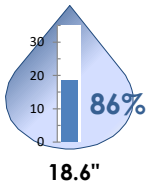
As of: 05/04/2020

2020 Colorado River

Upper Colorado River Basin
106%
Peak Snowpack % of Normal April 1

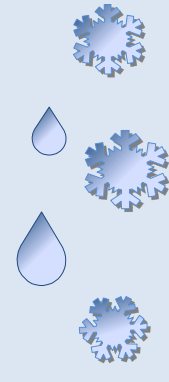
1,078,108 AF
86% of full CRA

Does not include storage withdrawals



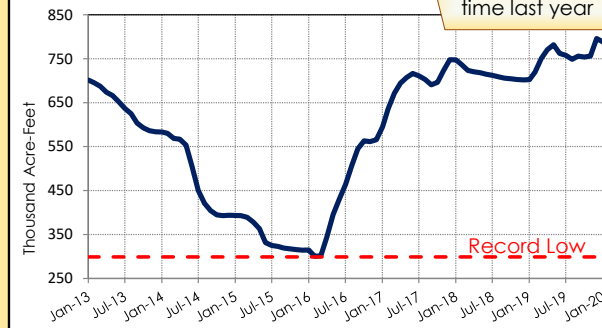
Highlights

- ◆ Sacramento River Runoff forecast is 52% of normal
- ◆ Statewide snowpack peaked at 64% of normal
- ◆ Lake Powell inflow forecast is 68% of normal
- ◆ Snowpack in the Upper Colorado River Basin peaked at 106% of normal

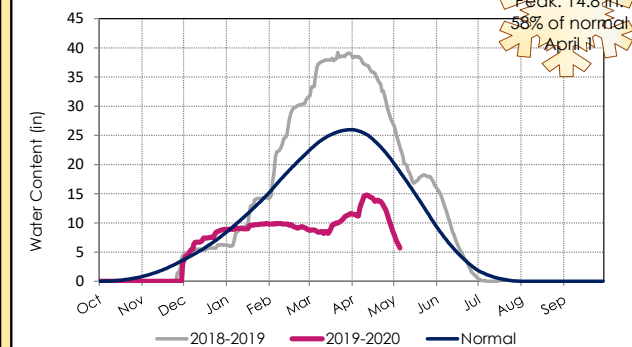


Diamond Valley Lake Storage

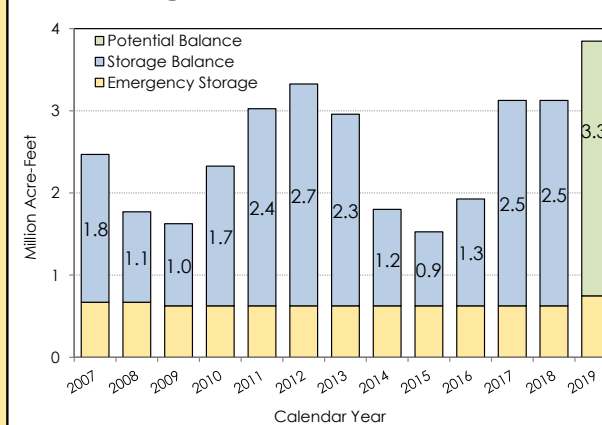
Capacity: 810 TAF



Southern Sierra Snowpack

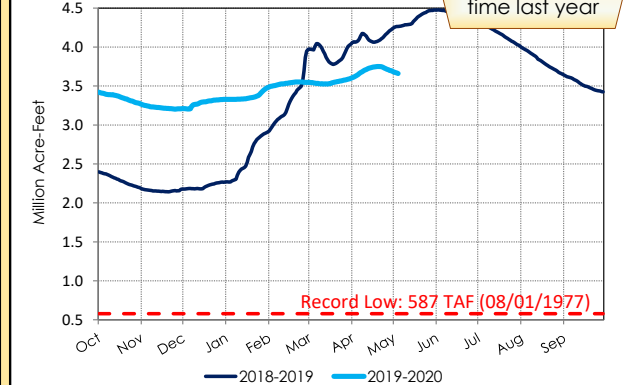


MWD Storage Reserve Levels



Lake Shasta Reservoir Storage

Capacity: 4.55 MAF



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

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

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

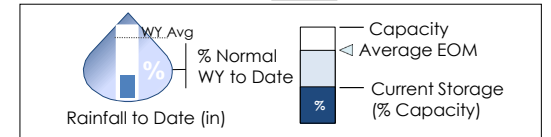
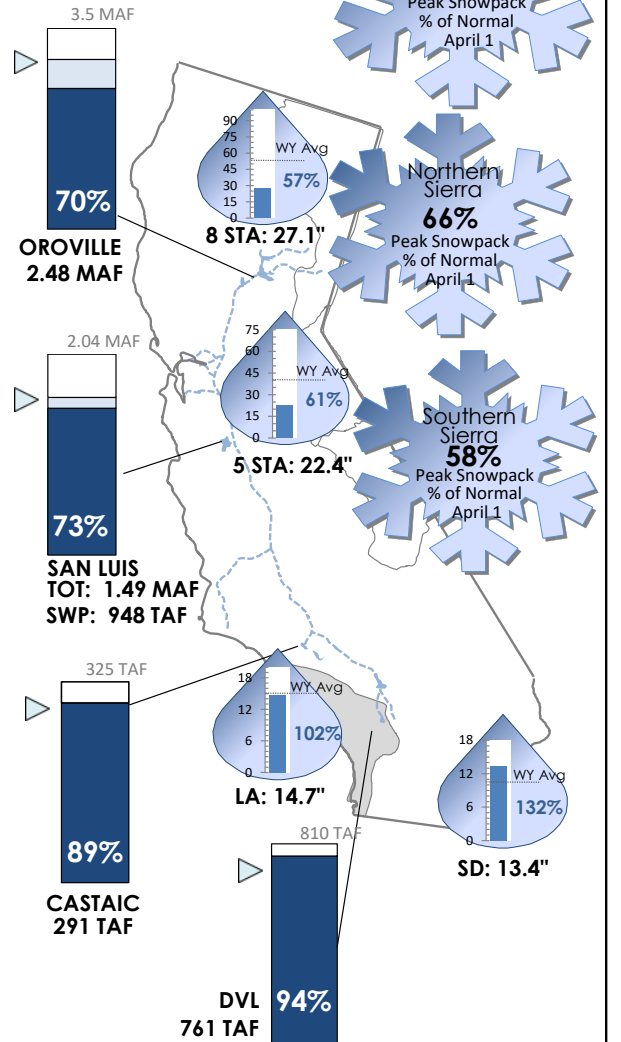


Water Supply Conditions Report

As of: 05/04/2020

2020 SWP Allocation

286,725 AF
15% of Table A



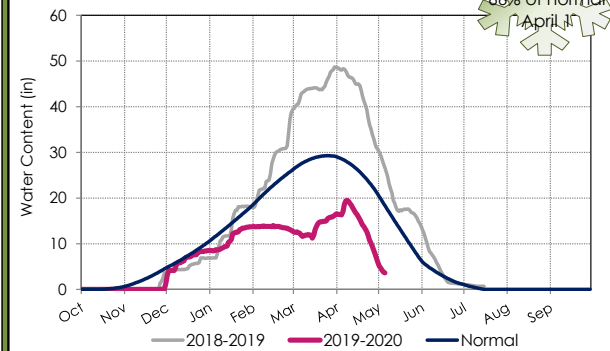
Flip Over for CRA Data

Turn page for more SWP Data

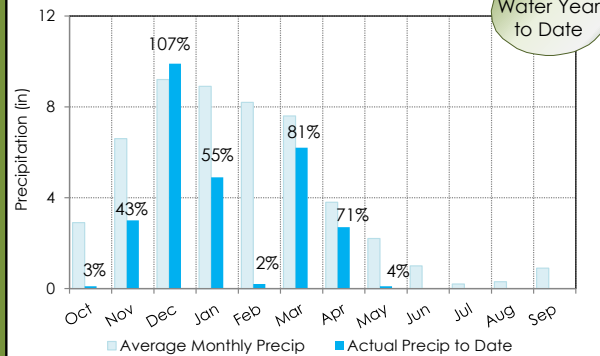
As of: 05/04/2020

State Water Project Resources

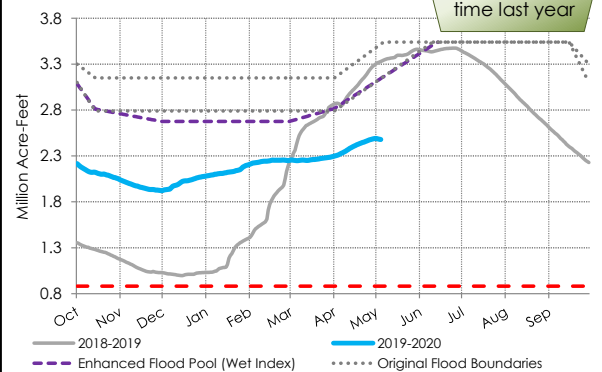
Northern Sierra Snowpack



8 Station Index Precip

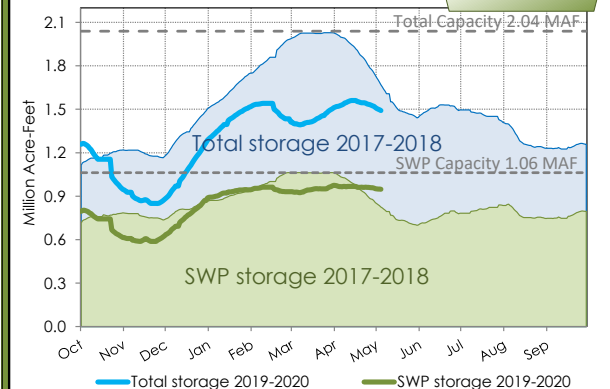


Oroville Reservoir Storage

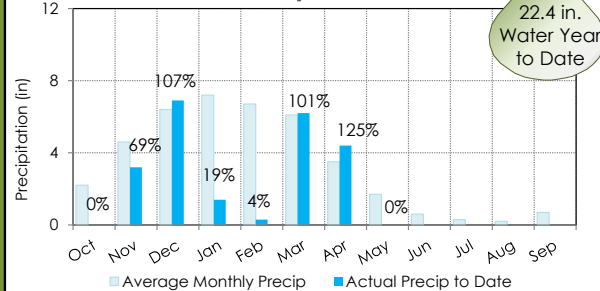


San Luis Reservoir Storage

Capacity: 2.04 MAF



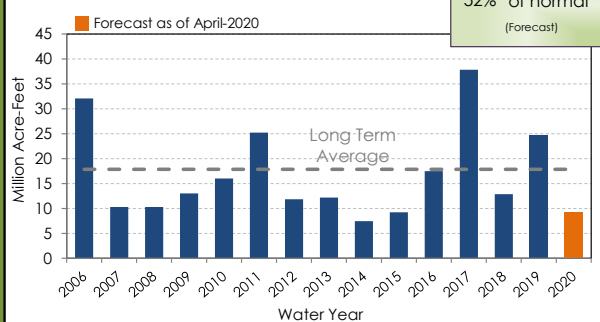
5 Station Index Precip



Other SWP Contract Supplies for 2020 (AF)

Carryover	330,766
Transfer Supplies	TBD

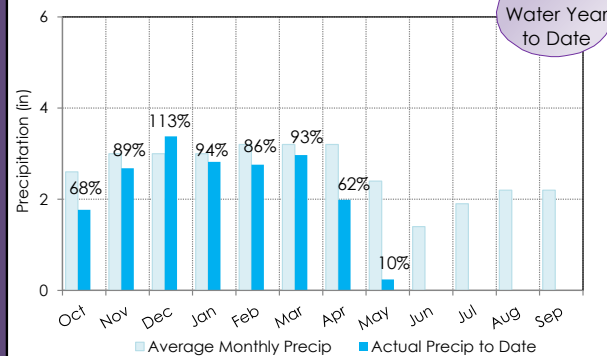
Sacramento River Runoff



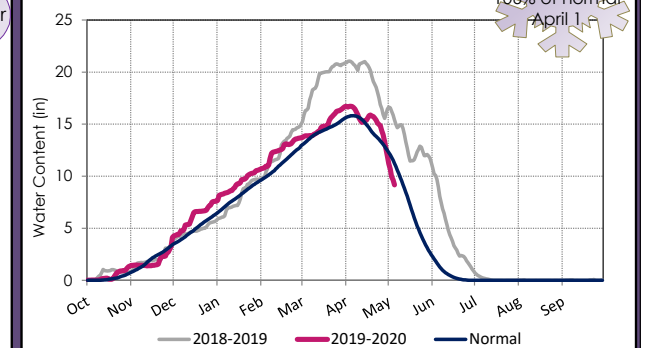
Colorado River Resources

As of: 05/04/2020

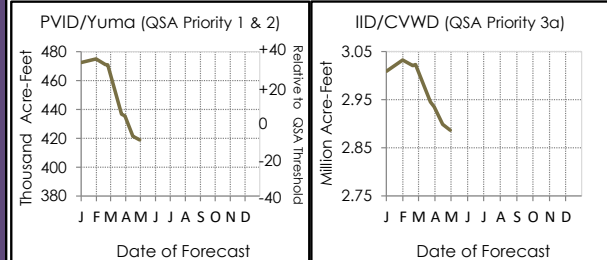
Upper Colorado Basin Precip



Upper Colorado Basin Snowpack

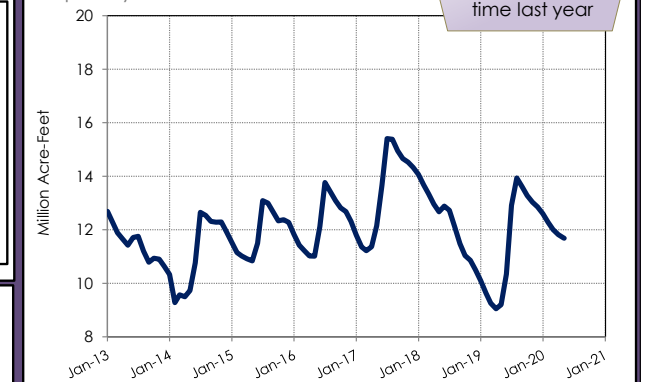


2018 Colorado River Ag Use



Lake Powell Storage

Capacity: 24.3 MAF

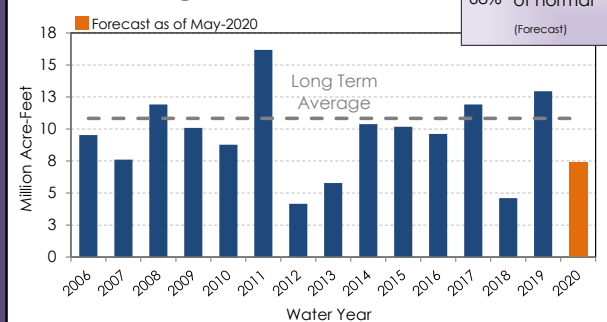


Lake Mead Shortage/Surplus Outlook

	2020	2021	2022	2023	2024
Shortage	0%	0%	9%	31%	37%
Surplus	0%	0%	<1%	6%	10%

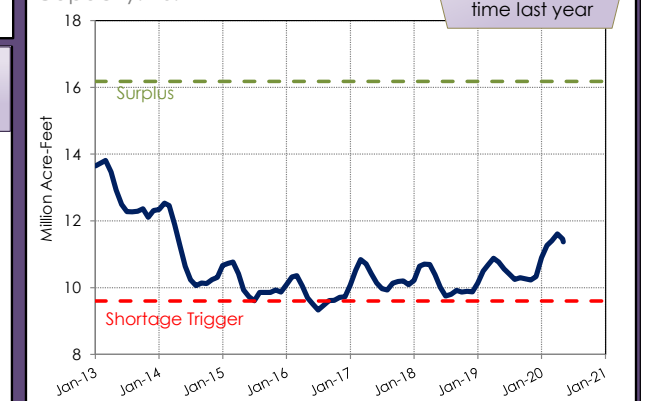
Likelihood based on results from the April 2020 MTOM/CRSS model run.
Includes DCP Contributions.

Powell Unregulated Inflow



Lake Mead Storage

Capacity: 26.1 MAF



**EL TORO WATER DISTRICT
COLLECTION SYSTEM ACTIVITY REPORT**

MONTH ENDING:

April

2020

ODOR COMPLAINTS	NUMBER	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village				
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Private System				
Other: WRP				
TOTAL	0			
ROOT FOAMING	FOOTAGE	CHEMICAL USED	CHEMICAL COST	COMMENTS:
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Other				
TOTAL	0			
ROOT CUTTING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
TOTAL	0			
HYDRO-CLEANING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village	51,516			
New World				
Private System				
Hot Spots	16,567			
ETWD TOTALS:				
SANTA MARGARITA TOTALS:				
COMBINED TOTALS:	0			
TV INSPECTIONS	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village	3,755			
Laguna Woods Village	2,943			
New World				
Private System				
Other				
TOTAL				
Wet Wells	Number	3		Mathis-freeway-Lapaz
Flow Meter/Sampling	Number			
WATER TANK FILLS	64	64,000		

**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:		APRIL		YEAR : 2020	
CONSTITUENT ANALYSIS		INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	149(A)	Pres/Absence		Average
2 Chlorine (ppm)	Detectable Resid	152	Average = 1.69 ppm		
3 TTHM (ppb) (Stage 2)	80 ppb		N/A		
3 HAA5 (ppb) (Stage 2)	60 ppb		N/A		
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.02 to 0.05		
Odor	3 Units	20	ND<1		
Color	15 Units	20	ND<5		
Temperature	No standard	20	61.0°F To 67.0°F		
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	72	0.001 to 0.025 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

Weekly Water Quality System Status

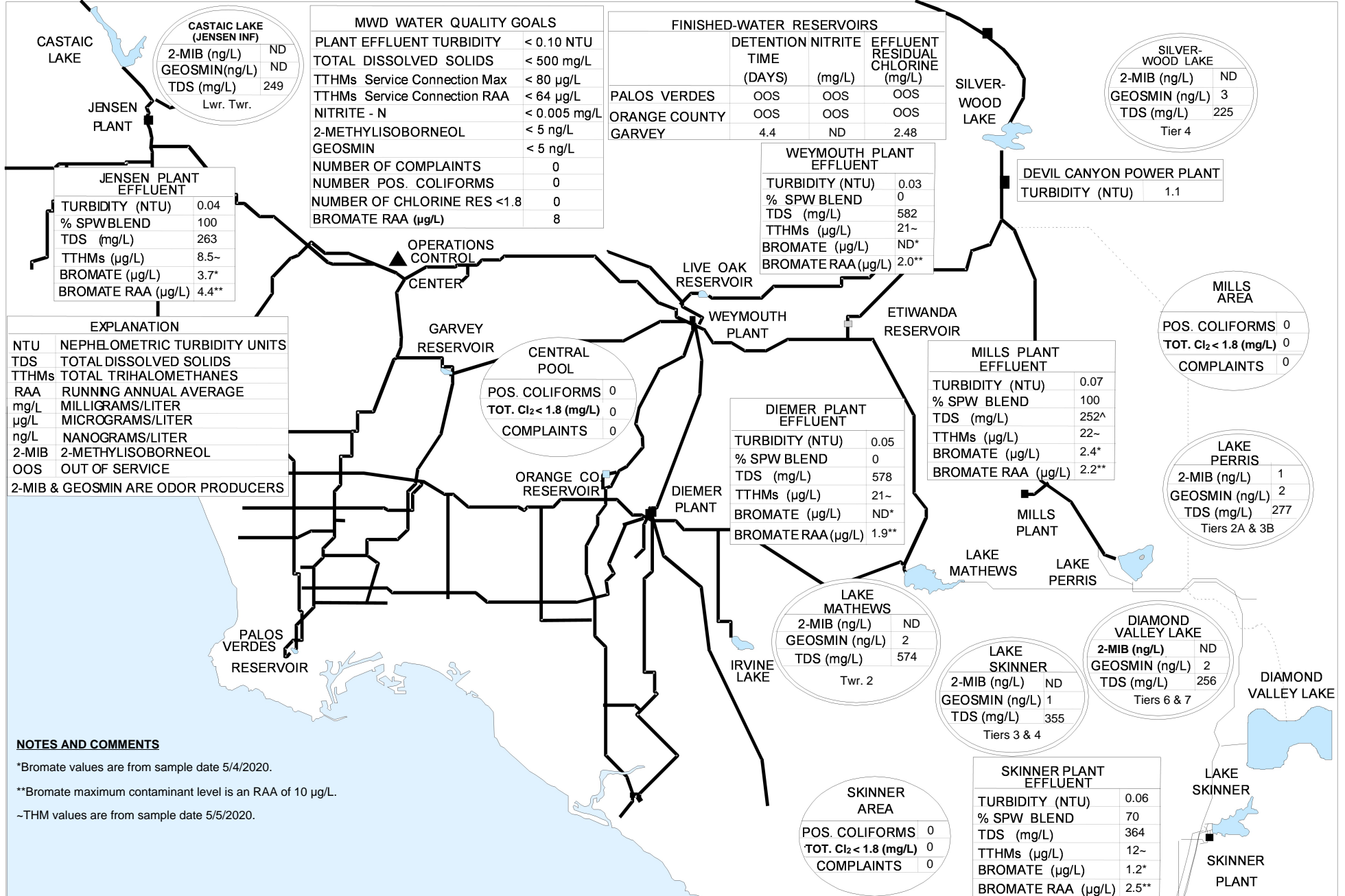
Wednesday, May 20, 2020

Generated On:5/21/2020 10:44:19 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>



Memorandum

DATE: April 27, 2020
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.

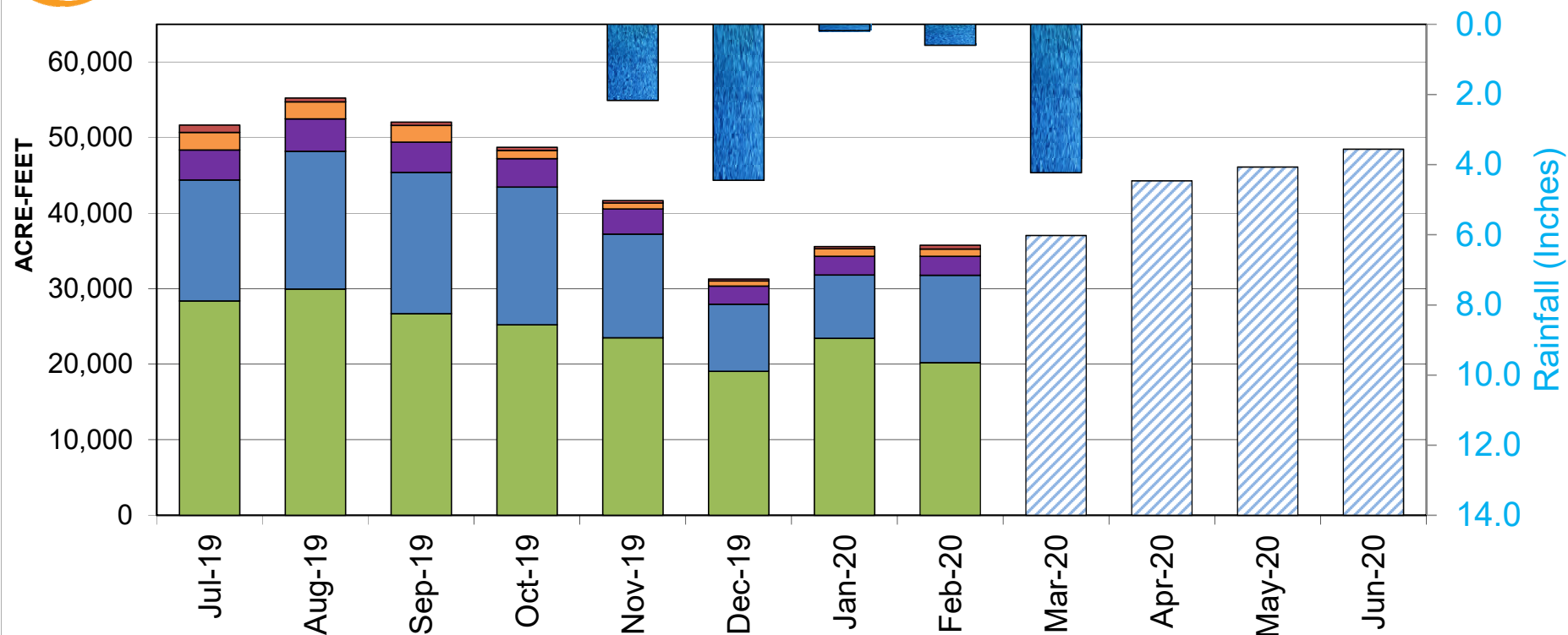
- OC Water Usage, Monthly by Supply **OCWD Groundwater was the main supply in February.**
- OC Water Usage, Monthly, Comparison to Previous Years Water usage in **February 2020 was above average compared to the last 5 years.** We are projecting a slight increase in overall water usage compared to FY 2018-19. It has been 35 months since all mandatory water restrictions were lifted by the California State Water Resources Control Board.
- Historical OC Water Consumption Orange County M & I water consumption is estimated to be **528,000 AF in FY 2019-20** (this includes ~15 TAF of agricultural usage and non-retail water agency usage). This is about **12,000 AF more than FY 2018-19** and is about **13,000 AF less than FY 2017-18**. Water usage per person is projected to be slightly higher in **FY 2019-20 for Orange County at 144 gallons per day** (This includes recycled water). Although OC population has increased 20% over the past two decades, water usage has not increased, on average. A long-term decrease in per-capita water usage is attributed mostly to Water Use Efficiency (water conservation) efforts. **O.C. Water Usage for the last four Fiscal Years is the lowest since the 1982-83 Fiscal Year** (FY 1982-83 was the third wettest year on record).

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

- Orange County's accumulated precipitation through **late March** was average for this period. Water year to date rainfall in Orange County is **11.63 inches**, which is **105% of normal**.
- Northern California accumulated precipitation through **late March** was **58% of normal for this period**. Water Year 2019 was 137% of normal while water year 2018 was 82% of normal. The **Northern California snowpack** was **57% of normal** as of March 31st. **As of late March, 40.42%** of California is experiencing **moderate drought conditions** while 75.14% of the state is experiencing abnormally dry conditions. The State Water Project Contractors Table A Allocation was increased to 15% in January 2020.
- Colorado River Basin accumulated precipitation through **late March was 91% of normal** for this period. The **Upper Colorado Basin snowpack was 103% of normal** as of March 31st. **Lake Mead and Lake Powell** combined have about **67% of their average storage volume** for this time of year and are at **46.0% of their total capacity**. If Lake Mead's **level falls below a "trigger" limit 1,075 ft. at the end of a calendar year**, then a shortage will be declared by the US Bureau of Reclamation (USBR), impacting Colorado River water deliveries to the Lower Basin states. As of early March, Lake Mead levels were **23.59' above the "trigger" limit**. The USBR predicts that the start of 2020 will not hit the "trigger" level but there is **a 0% chance that the trigger level will be hit in 2021 and an 11% chance in 2022**.



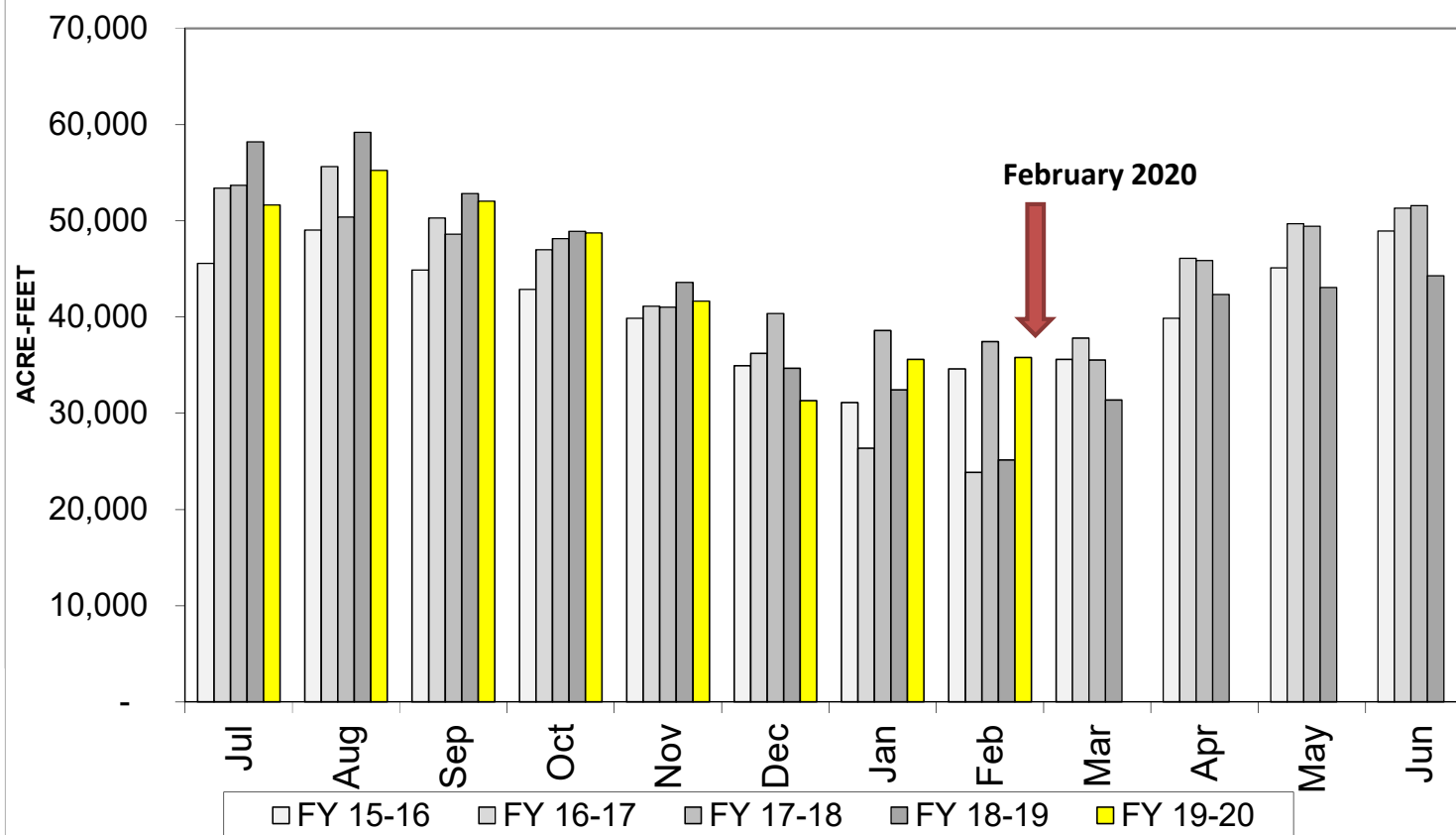
Fig. 1 OC Water Usage, Monthly by Supply with projection to end of fiscal year



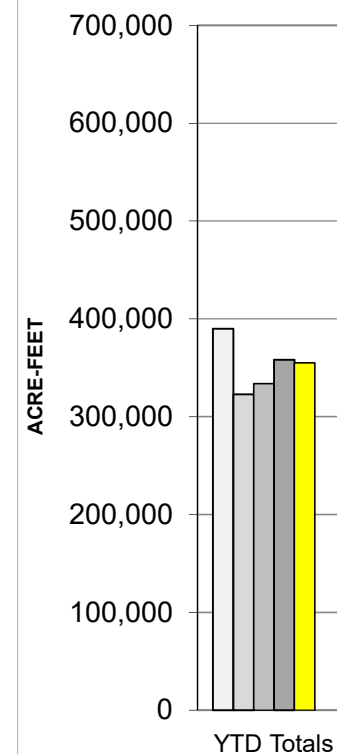
- [1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water and deliveries into Irvine Lake.
- [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '19-20 is 77%.
- [3] MWDOC's estimate of monthly demand is based on the projected 5 Year historical retail water demand and historical monthly demand patterns.
- [4] Total water usage includes IRWD groundwater agricultural use and usage by non-retail water agencies.



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

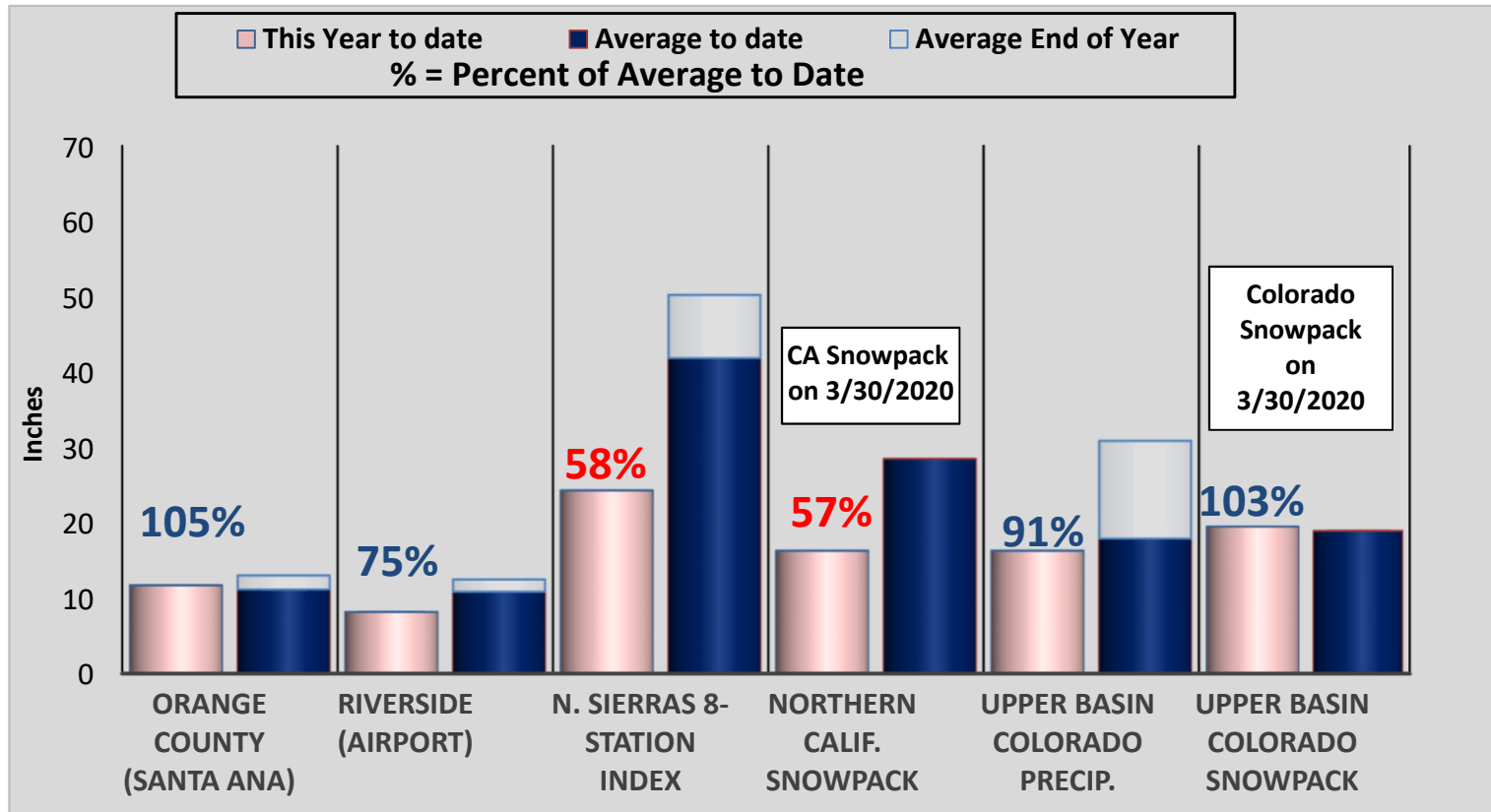


Partial Year Subtotals



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

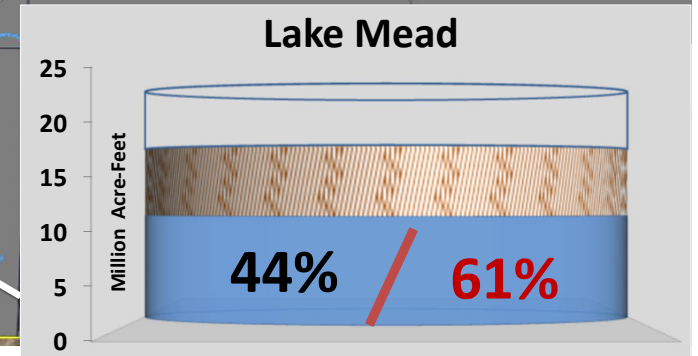
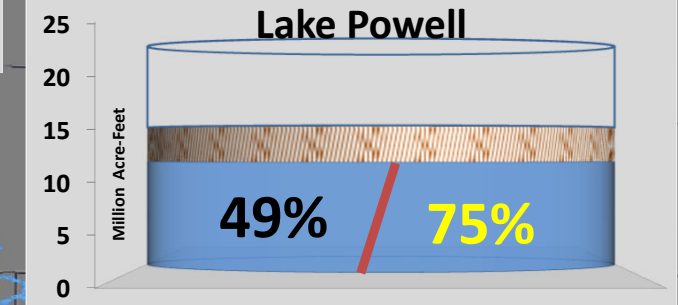
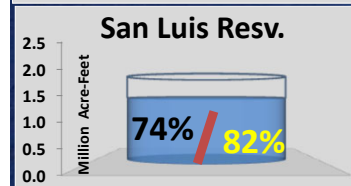
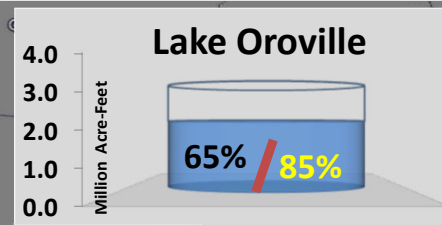
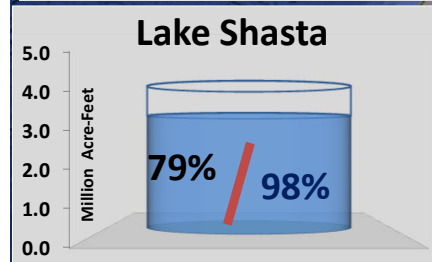
Accumulated Precipitation for the Oct.-Sep. water year, late March 2020



* 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.

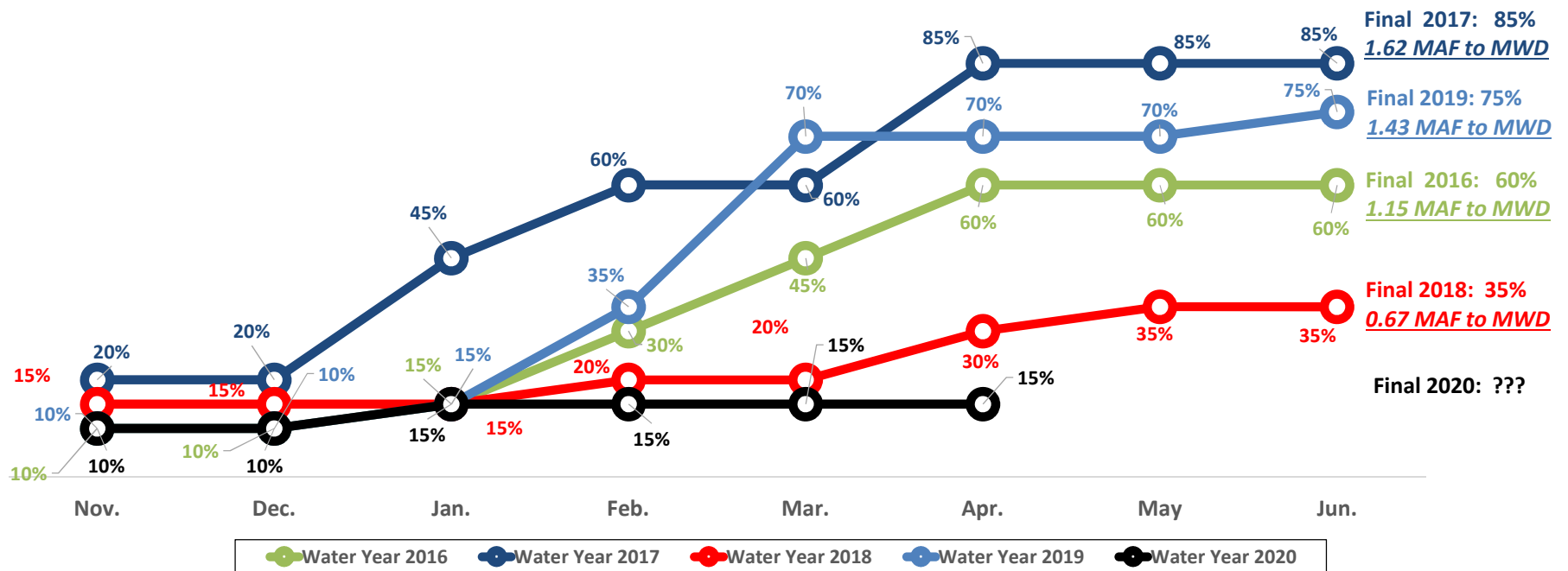
State Water Project, Colorado River, and MWD Reservoir Storage

as of April 1, 2020

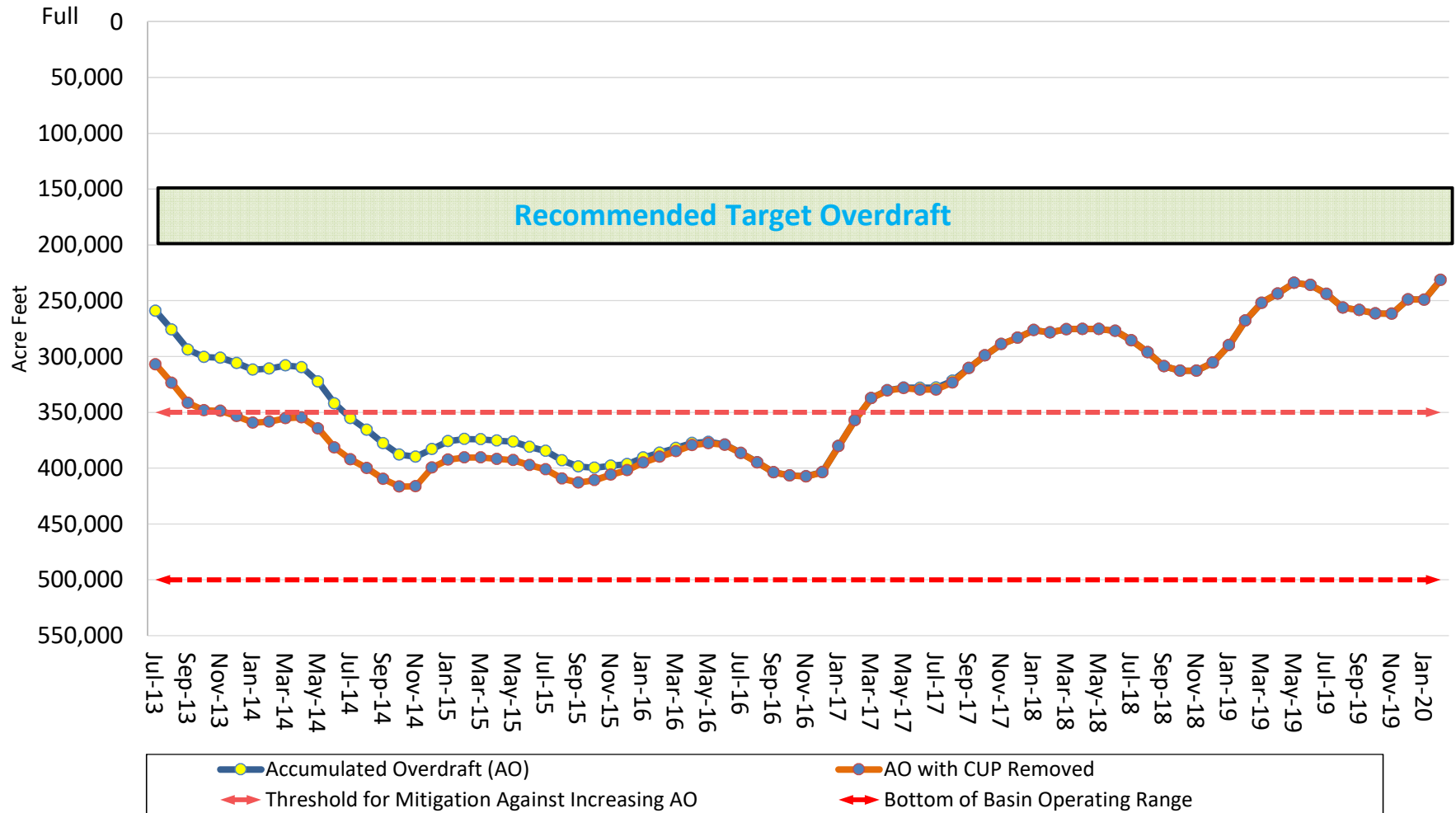


SWP TABLE A ALLOCATION

FOR STATE WATER PROJECT CONTRACTORS



Accumulated Overdraft of the OCWD Groundwater Basin as of February 2020

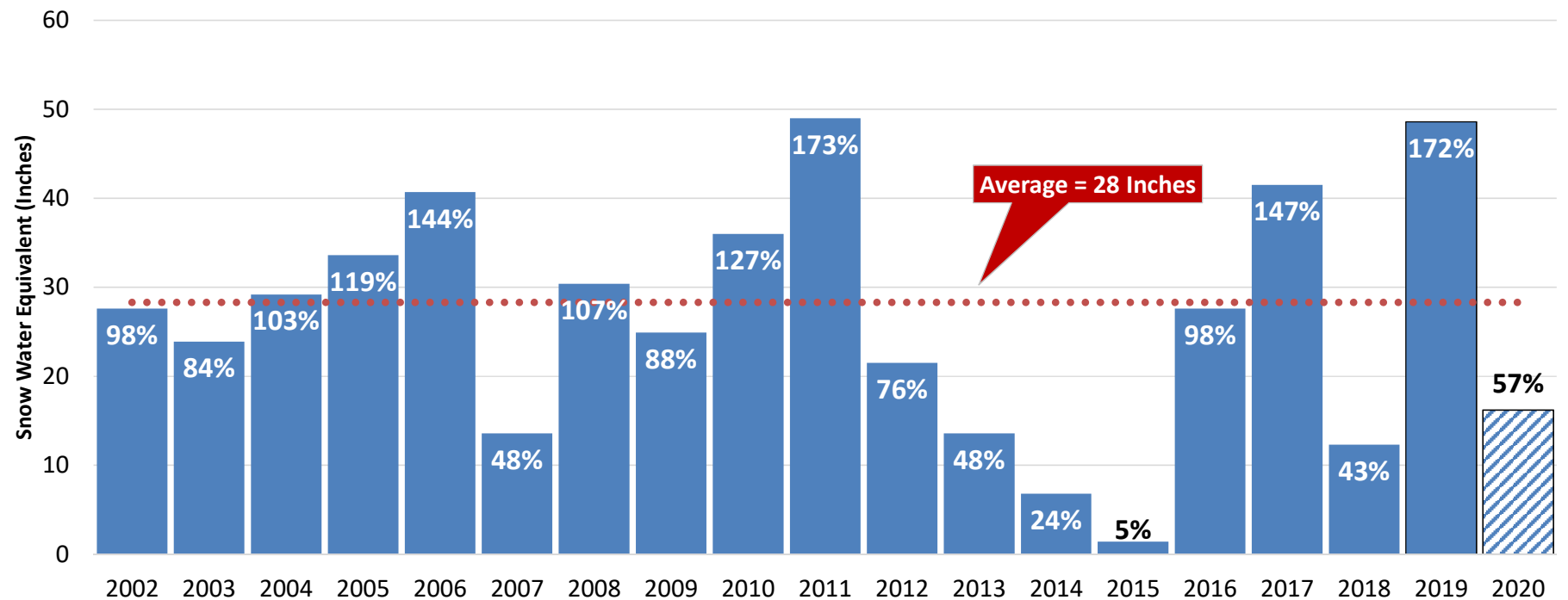


	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
AO (AF)	285,494	296,106	308,748	312,758	312,782	305,367	289,860	267,879	251,876	243,604	234,048	236,005
AO w/CUP removed (AF)	285,494	296,106	308,748	312,758	312,782	305,367	289,860	267,879	251,876	243,604	234,048	236,005
	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
AO (AF)	244,057	256,239	258,445	261,464	261,645	248,909	249,051	231,354				
AO w/CUP removed (AF)	244,057	256,239	258,446	261,464	261,645	248,909	249,051	231,354				

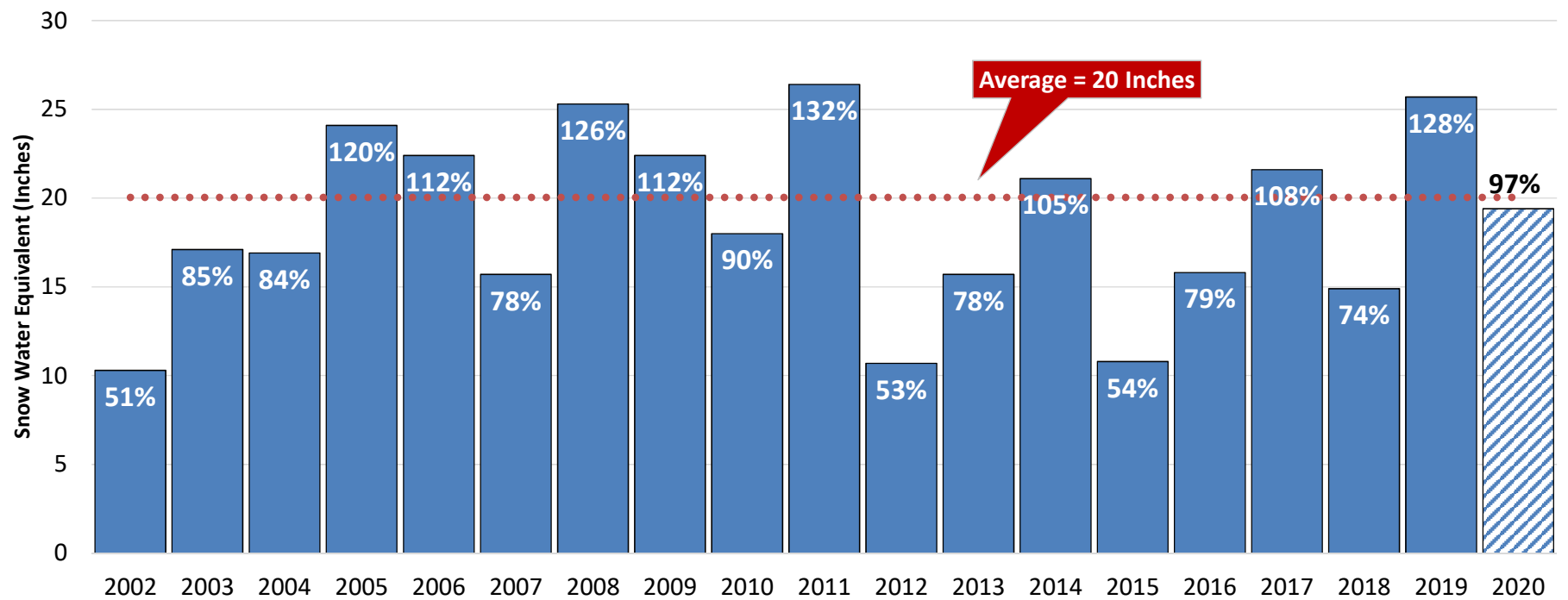
* Source ~ OCWD Monthly Board of Directors Packet



Historical Northern California April 1st Peak Snow Water Equivalent

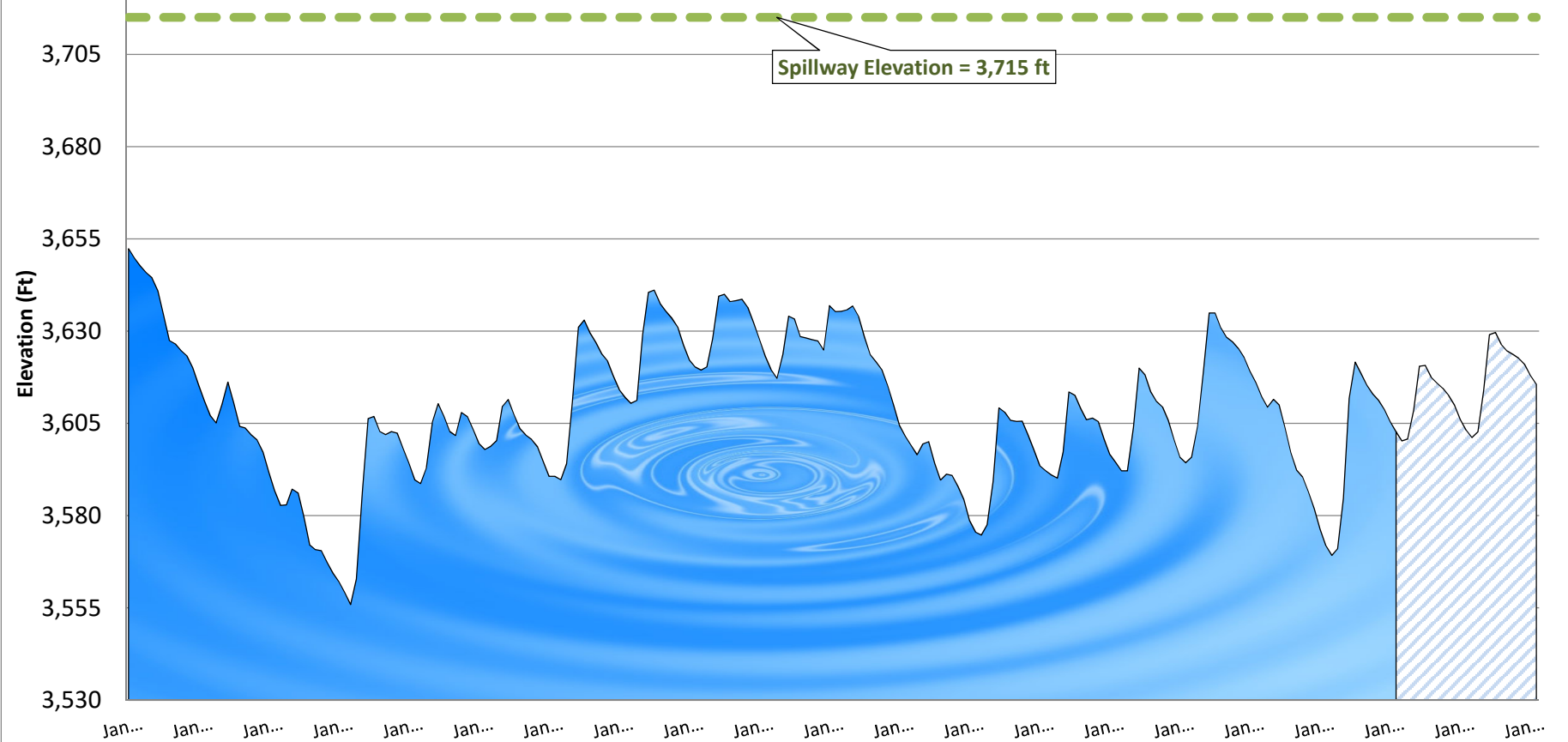


Historical Colorado Basin April 15th Peak Snow Water Equivalent



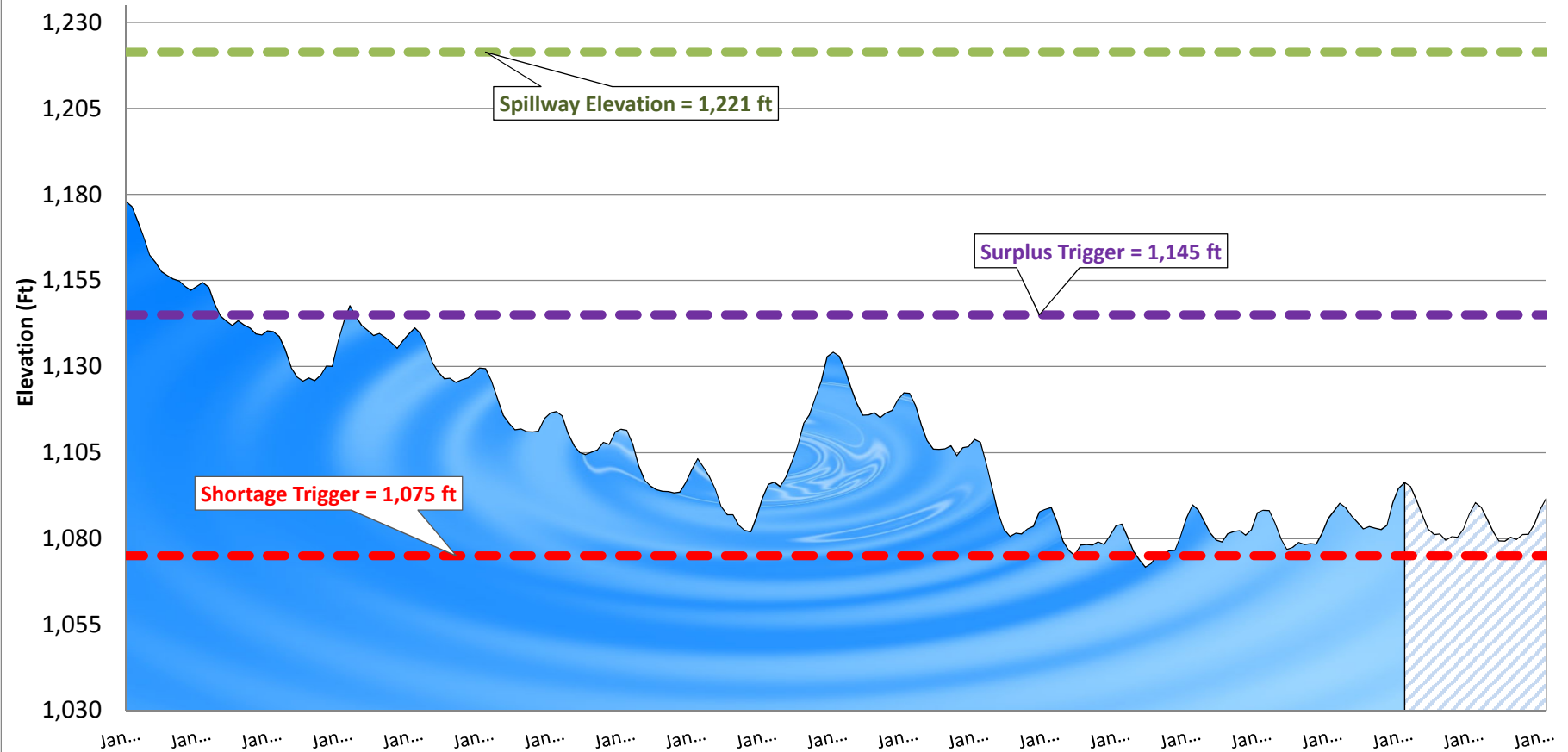
Lake Powell Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected

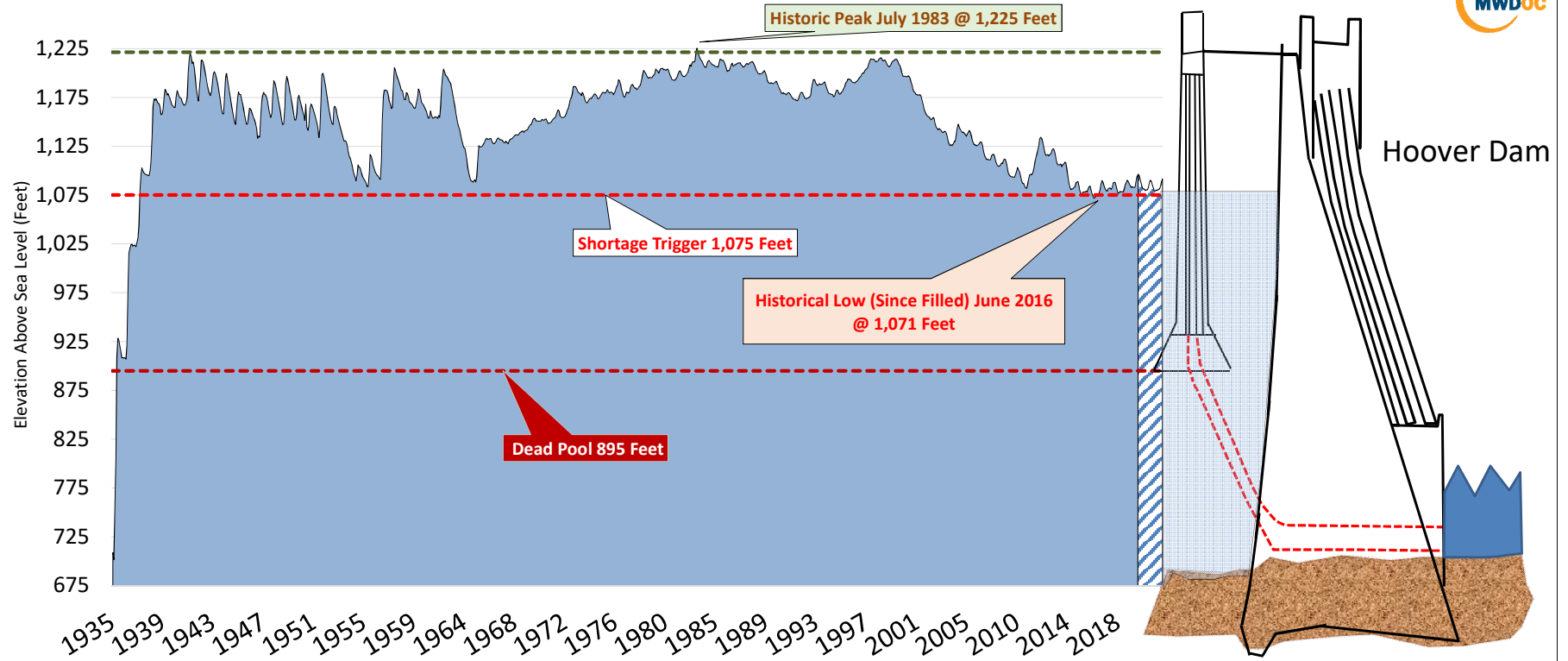


Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected



Lake Mead Historical Water Elevation Level





WRP BATTERY STORAGE SYSTEM

MONTHLY REPORT

MARCH, 2020

BILLING PERIOD	PEAK REDUCTION	PEAK INCURRED	BILL SAVINGS	NET SAVINGS
07/15/2019 - 08/13/2019	67 kW	1,032 kW	\$3,703.97	\$2,113.97
08/13/2019 - 09/12/2019	9 kW	1,070 kW	\$5,529.24	\$3,939.24
09/12/2019 - 10/11/2019	-45 kW	988 kW	\$2,556.42	\$966.42
10/11/2019 - 11/13/2019	-45 kW	949 kW	(\$471.94)	(\$2,061.94)
11/13/2019 - 12/13/2019	28 kW	834 kW	\$168.96	(\$1,421.04)
12/13/2019 - 01/14/2020	-225 kW	904 kW	(\$2,149.49)	(\$3,739.49)
01/14/2020 - 02/12/2020	91 kW	641 kW	\$989.24	(\$600.76)
02/12/2020 - 03/13/2020	28 kW	873 kW	\$397.27	(\$1,192.73)
03/13/2020 - 04/13/2020	-204 kW	890 kW	(\$2,879.16)	(\$4,469.16)
04/13/2020 - 05/13/2020	40 kW	984 kW	\$628.27	(\$961.73)
TOTAL			\$8,472.78	(\$7,427.22)



WILL SERVE REQUEST STATUS REPORT

(April 2020)

All projects subject to previously issued Will Serve Letters are either Complete or the Will Serve Letter has Expired
(Will Serve Letters Expire One Year from Date of Issuance)

Date Requested	Applicant	Project Description	Type	Location	Status	Date Issued
3/8/19	Target Corporation	Target Mission Viejo Redevelopment	ND	24500 Alicia Pkwy.	Issued	7/3/19
8/16/19	Burgertown USA	Burgertown Sewer Connection	TI	24418 Muirlands	Issued	11/20/19
8/29/19	Merlone Geier Partners	Hunter Court Utility Relocations	TI	24322 Rockfield Blvd	Issued	12/9/19
11/15/19	Kiddie Academy	New Daycare at previous Restaurant	TI	25521 Muirlands Blvd	Issued	1/7/20

ND = New Development

TI = Tenant Improvement

EL TORO WATER DISTRICT
UNAUTHORIZED DISCHARGE SUMMARY
YEAR OF 2020

DATE	PUBLIC / PRIVATE	SPILL TYPE	LOCATION	REASON	IMMEDIATE CORRECTIVE MEASURES	PREVIOUS MAINTENANCE		POST-INCIDENT PREVENTIVE MEASURES	RWQCB	DISCHARGED TO	SPILL VOLUME (PUBLIC) Gallons		SPILL VOLUME (PRIVATE) Gallons		REGULATORY NOTIFICATION AND RESPONSE
						CLEANING	TV				CONTAINED	SPIILLED	CONTAINED	SPIILLED	
January 23, 2020	Private	PLSD	23645 El Toro Rd.	Debris in private lateral	No longer spilling when ETWD staff arrived. Shut water service off to prevent additional discharge until line was clear	N/A	N/A	Spoke to Property Management Company	N/A	Parking Lot	N/A	N/A	5	5	Communicated with City of Lake Forest, Water Quality Inspector, and Orange County Environmental Health
February			NO SPILLS												
March			NO SPILLS												
April			NO SPILLS												
LEGEND											0	0	5	5	
S.DC = San Diego Creek		RES. = Residential		R.S. = Rocks											
S.D. = Storm Drain		C. = Commercial		C.W.D. = Calcium Water Deposits											
A.C. = Aliso Creek		S.B. = Siphon		B.P. = Broken Pipe											
G.B. = Grease Blockage		P.F. = Power Failure		U.W. = Untreated Water											

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James C. Barker
Ryan Leavitt

*Municipal Water District of Orange County, California
Washington Update
May 12, 2020*

Some States and Cities Begin to Ease Restrictions on Stay-at-Home Orders and Allow Businesses to Reopen; Congress Returning to Washington and Focusing on Next Phase of COVID-19 Relief Legislation

Many states and communities across the US are taking steps to reduce restrictions and stay-at-home orders. Some businesses are beginning to reopen. The Senate has returned to Washington and has been started holding some hearings in person and others virtually. The Senate has also begun to conduct votes on the Senate Floor. The House is expected to return to DC as soon as this Friday for floor votes. The first item on the House's agenda is a Phase 4 coronavirus relief bill now being referred to as the HEROES Act. Some conversations have taken place in the House to consider allowing for proxy voting and remote hearings, but no consensus or agreement has yet been reached. We are also hearing the House may vote on a resolution to change the House rules to allow Members of Congress to vote remotely. The House Rules Committee will meet on that rules change resolution on Thursday.

Since our last report, Congress passed a fourth coronavirus aid bill (often referred to as Phase 3.5, because the bill replenished some of the funding for programs authorized by Congress in the \$2.3 trillion CARES Act in late March). The Phase 3.5 bill added more money (\$320 billion) for small business loans and added money for coronavirus testing and for hospitals. House and Senate Democrats were unsuccessful at including aid for state and local governments in Phase 3.5, but aid to states and local governments is shaping up to be a key driver for the next bill (Phase 4/HEROES Act).

Coronavirus Relief Legislation (Phase 4):

House Democrats finalized the House's 1,800-page Phase 4 bill today that tops \$3 trillion in spending. The bill may contain \$1 trillion in aid to states, counties, and municipal governments. The bill appropriated \$1.5 billion for utility assistance to low income individuals for rate relief for their utility bills—including water and wastewater. This bill also establishes a moratorium on water service disconnections/terminations. The bill also extends tax credits for paid sick and paid family/medical leave to state and local governments. Details about the bill continue to emerge.

Since our last report, MWDOC sent a letter to our Congressional Delegation and to House and Senate Leadership/relevant Committees advocating for federal assistance for special districts, revenue relief, water infrastructure investments, and payroll tax credit relief. We continue to actively advocate for the inclusion of aid to state and local governments—including for special districts—in a final Phase 4 bill.

The House's Phase 4/HEROES Act was not negotiated with House or Senate Republicans or with the White House. We are hearing that the House could take a vote on this bill as early as Friday. We do expect that this bill will pass the House on a largely party line vote. Early reports are that the Senate plans to move much slower on this. The Senate, led by Senate Leader Mitch McConnell, have been seeking to limit the size and scope of a potential Phase 4 bill citing concerns about federal deficit spending. Last week, Leader McConnell did say that the next bill may likely include some aid to states and local governments, but that he would also want couple that aid with liability limits for businesses reopening amid the pandemic crisis. McConnell also mentioned that he opposes bailing out governors for self-imposed budget problems that preceded the coronavirus.

Unlike the first four coronavirus aid bills, this Phase 4 bill does not yet have broad, bipartisan support. We anticipate that this legislation could take several weeks to be fully negotiated and work its way through Congress. The White House is expecting that this legislation may not be signed into law until June or perhaps even as late as July.

Infrastructure Investments Bill:

One feature that was prominently not included in the House's Phase 4 coronavirus aid bill is an infrastructure investments package. Although last month, House Speaker Nancy Pelosi, along with key House Committee Chairs, announced that they would be pursuing an infrastructure bill as part of a Phase 4 stimulus bill, this effort seems to be stalled for now.

In January, House Democrats released a legislative framework that would be a five-year \$760 billion infrastructure bill to improve the nation's roads, bridges, public transit systems, health centers, and very importantly drinking water systems. Specifically, they mentioned \$86 billion for water infrastructure grants, \$50 billion for clean water state revolving fund loans, \$25 billion for the drinking water state revolving fund. Republican Leaders in Congress have been somewhat cold on the idea and concerned mainly about how to pay for the bill, but the President tweeted support for an infrastructure bill.

Just because an infrastructure package is looking doubtful for a Phase 4 coronavirus aid bill, does not mean that Congress may not pass a stand-alone infrastructure bill later this summer or fall. Last week the Senate Environment and Public Works (EPW) Committee passed two water infrastructure bills unanimously. The bills, America's Water Infrastructure Act of 2020 (S. 3591), and the Drinking Water Infrastructure Act of 2020 (S. 3590), would authorize new Army Corps of Engineers projects, reauthorize the Clean Water State Revolving Fund and the Safe Drinking Water Act emergency fund, and make a series of policy changes regarding drinking water, flood control and water supply programs.

Highlights of these bills include the authorization of about \$17 billion in water infrastructure projects, including Western water storage provisions. It also authorizes the EPA's Clean Water State Revolving Fund and increases that authorization over three years to \$3 billion and reauthorizes WIFIA. Additionally, the legislation provides about \$2.5 billion in authorizations for the Safe Drinking Water Act emergency fund and provides \$300 billion in grants for the removal of drinking water contaminants—including PFAS.

These bills are the vehicle for the 2020 Water Resources Development Act (WRDA), which is typically authorized every two years (the last being authorized in 2018).

EPW Committee Chairman Barrasso expressed during the committee meeting last week that these two water infrastructure bills passed by the Committee could be paired with a highway bill that the EPW Committee passed last fall to "answer the president's call to help revive our nation's economy once we've moved beyond the immediate health crisis."

Although the passage in the Committee was unanimous, the Ranking Member Tom Carper flagged two concerns with the legislation that will need to be addressed before the it is ready to be considered by the full Senate. 1) Distribution of Harbor Maintenance funds, and 2) Clean Water Act standards for PFAS that industrial sources can dump into waterways.

The Committee did approve a PFAS amendment that was previously passed by the Senate last year in the 2020 Defense Authorization Bill, but which was not included in the final passage of the compromise Defense Authorization bill with the House. That PFAS language requires the

EPA to issue a drinking water regulation for PFOS and PFOA specifically. The amendment requires that EPA issue those regulations within two years.

Appropriations Process Delayed:

Although the formal appropriations process of hearings and markups has been delayed by the coronavirus, Committee Staff continue to work on the FY21 appropriations bills. House Appropriations Chairwoman Lowey said that the House will not consider any FY21 spending legislation until lawmakers finish consideration of the next round of COVID-19 relief. The Senate's appropriations bills may be ready for consideration in July.

As a reminder, on behalf of MWDOC, we submitted an appropriation request to all of the Orange County House Members and both CA Senators. The request was language to be added to the FY21 Energy & Water Appropriations bill that would benefit water projects that have already gone through the process to be awarded grants under the WIIN Act and that have already had their projects subsequently approved by Congress in an appropriations bill. MWDOC's requested language would remove the requirement that future grant awards for those previously approved projects have to once again be approved by Congress in future spending bills. If this "second bite" language is adopted, it could significantly shorten the time between when the grant is awarded by the BOR and when the grant funds are actually dispersed to the water agency that was awarded the grant.

We are continuing to advocate for full funding of important water programs and agencies like the BOR, USACE, Clean/Drinking Water State Revolving Funds, and the WIFIA program. All of these programs were given large cuts in the President's FY21 Budget Proposal.

PFAS Update:

The House Armed Services Committee is continuing its work on the annual defense spending bill referred to as the National Defense Authorization Act or NDAA. You may remember that last year, the House added significant provisions to the NDAA related to PFAS. After a very contentious fight with the Senate over the PFAS provisions, most of them were stripped out of the final NDAA passed in December 2019. On April 2, 2020, a bipartisan group of 22 House Members, including Rep. Harley Rouda and Rep. Alan Lowenthal, sent a letter to the House Armed Services Committee Chairman and Ranking Member asking that PFAS provisions be included in the 2021 NDAA—including Representative Dingell's PFAS bill that passed the House in January 2020 (H.R. 535). As you know, H.R. 535 designates PFAS as a hazardous substance under the Superfund Law CERCLA. As a reminder, MWDOC sent a letter to all of Orange County's Congressional Delegation expressing concerns with designating PFAS under

CERCLA without some clarification that water systems are exempted from Superfund liability. We continue to track this issue very closely.

The Senate Armed Services Committee is aiming to consider its version of the NDAA in early June. The full Committee would markup up the bill on June 10th. It is not clear yet what PFAS provision may be included in the Senate's version of the bill, but we are watching this closely.

Trump Administration vs. California on New Endangered Species Rules in the Sacramento-San Joaquin Delta

In response to the US Bureau of Reclamation's finalizing an update to earlier biological opinions on February 20, 2020, the California Department of Fish and Wildlife issued a new state Incidental Take Permit (ITP) for the long-term operations of the State Water Project (SWP) on March 31, 2020.

As a result, a number of Republican California Federal lawmakers sent letters to Governor Newsom expressing disappointment and serious concern with California's new ITP for the long-term operation of the SWP. Their letter called for cooperative and coordinated operations of the SWP and the Federal Central Valley Project (CVP). Later, another group of Democratic Congressional lawmakers from California also sent a letter to Governor Newsom. Their letter asked the Governor to take steps to preserve the longstanding tradition of successfully coordinating the operation of the SWP and the CVP by continuing to negotiate with the necessary parties for the State to settle its lawsuit with the federal government stemming from the conflict between the federal biological opinions and the State's recently issued ITP. *The day before this second letter was sent to the Governor, the Metropolitan Water District of Southern California voted to sue the state of California over a permit related to operations of the SWP.*

Last week, the California Natural Resources Agency and the California EPA wrote a letter in response to the April 7th Republican letter to Governor Newsome. In that letter California affirmed the importance of providing reliable water supplies to communities in California but reiterated their opinion that the biological opinions issued by the Bureau of Reclamation in February are flawed and put several endangered species in the Delta watershed at immediate risk of extinction. The letter goes on to explain that their opinion is that the new ITP includes important safeguards for endangered species and will strengthen water security for Californians.

Last week, Bureau of Reclamation (BOR) Commissioner Brenda Burman also sent a letter to Senator Feinstein regarding California's lawsuit against the federal government and the new ITP that was developed without coordination with the federal CVP. Burman expressed that the US Dept. of Interior and the BOR are continuing to attempt to coordinate operations between

the CVP and SWP to ensure a safe and reliable water supply for Californians. Lastly, Commissioner Burman affirmed the BOR's commitment to implement the 2019 biological opinions to make water more reliable and she invited Senator Feinstein to join them in that effort.

Yesterday, a federal judge in the Eastern District of California granted California's request to temporarily halt part of the Trump Administration's new endangered species rules. Specifically, the judge ordered a stop to a planned increase in pumping out of the Delta through May 31. This ruling ordered the federally operated CVP to revert to Obama-era rules regarding water exports from the San Joaquin River. The judge cited the federal Endangered Species Act to justify this decision. This litigation is ongoing.

JCB/RWL 5/12/20



Memorandum

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: May 18, 2020
Re: Monthly State Political Report

Legislative Report

The Assembly reconvened under special procedures on May 4th and the Senate followed suit on May 11th. The process so far is slow moving. The committees meet in the main chambers where the members can spread out, which means only one committee meets at a time. In-person testimony by witnesses is possible but highly discouraged. In order to enter the Capitol, a witness would need to first check in with the sergeants who will require a mask and a specific reason to enter the building. The sergeants will then escort the witness to the chambers, opening all doors and only allowing one person in an elevator at a time. After giving testimony, the witness is then escorted out of the building. BB&K staff will be taking advantage of the phone system set up for support and opposition testimony, which moves slowly but seems to work well.

The first policy committee hearings relevant to water will meet on the 13th and 14th when the Assembly Natural Resources (NR) and Environmental Safety and Toxic Materials (ESTM) Committees meet. MWDOC has a support letter on file for AB 2560 (Quirk—ESTM) and a watch position on AB 3256 (E. Garcia—NR), which is the Assembly vehicle a water bond (and other subjects). BB&K will report on the outcomes at the PAL hearing.

Administrative Report

Shortly after this report was due the Governor released the May Revise for the State Budget. It is reasonable to assume that this will be the most significant budget revise in the state's history owing to speed and extent of the financial reversal. At the beginning of the year fiscal analysts predicted that the state would likely hit the statutory savings limit for the state's rainy-day fund. According to a letter from the Department of Finance release on Thursday, May 7th, the state's budget deficit will likely be \$54.3 billion, which approaches the nearly \$60 billion dollar deficit in 2009 during the height of the Great Recession.

BB&K
BEST BEST & KRIEGER
ATTORNEYS AT LAW

In water-related news, as MWDOC is aware, the administration is being sued by both northern and southern California water interests. The northern California agencies are suing on largely the same grounds as MWD with the additional issue that the operating permit issued by the Dept. of Water Resources for the State Water Project (SWP) failed to consider impacts north of the Delta. Meanwhile, the state and enviros are suing the feds over the operation of the Central Valley Project. The big news there is that the SWP contractors took the extraordinary step of seeking to intervene in the lawsuit as defendants. In short, everyone is suing everyone else. Long-time water policy observers (a.k.a. water buffaloes) are tossing around terms such as "unprecedented" and "unheard of" to describe the current state of affairs. As an MWD member BB&K staff presumes MWDOC is well-briefed on these matters and mentions them here only as a point of information, and would be happy to provide further information if requested.

The County of Orange Report

May 12, 2020
by Lewis Consulting Group



May 13 Agenda - **Final 20-21 LAFCO Budget Highlights Meeting**

The May 13th LAFCO meeting will be another with an absence of controversial items. The fiscal year final budget is the only consequential matter before the commission..

4. PUBLIC COMMENT

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

5. CONSENT CALENDAR

a.) April 8, 2020 – Regular Commission Meeting Minutes

The Commission will consider approval of the April 8, 2020 meeting minutes.

6. PUBLIC HEARING

a.) Fiscal Year 2020-21 OC LAFCO Final Budget

The Commission will consider adoption of the FY 2020-21 OC LAFCO Final Budget.

7. COMMISSION DISCUSSION AND ACTION

a.) Memorandum of Understanding with California State University, Fullerton Auxiliary Services Corporation

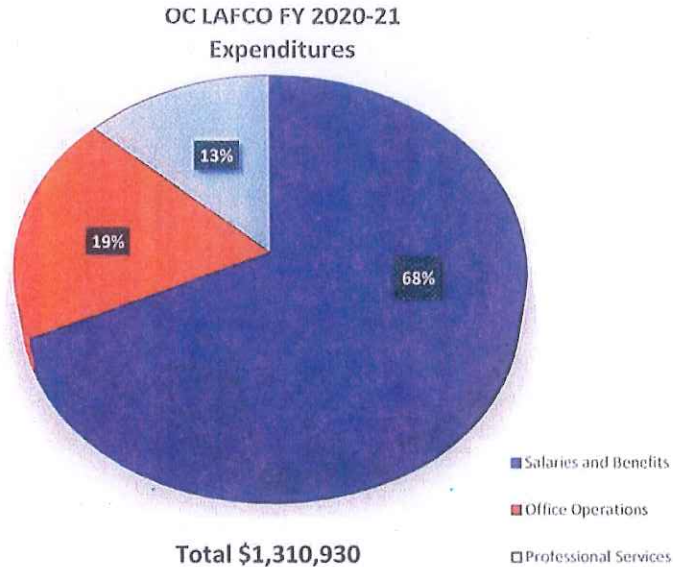
The Commission will consider the approval of a three-year (Fiscal Years 2020-2023) Memorandum of Understanding with California State University, Fullerton Auxiliary Services Corporation for services provided by the Center for Demographic Research.

b.) OC LAFCO Policy for the Emergency Family and Medical Leave Act and Emergency Paid Sick Leave

The Commission will consider the adoption of an agency policy in response to the Families First Coronavirus Response Act signed into law on March 18, 2020 with an effective date of April 1, 2020.

8. COMMISSIONER COMMENTS

The final proposed LAFCO budget presented at the May 13, 2020 meeting (one day after our print deadline) is balanced and totals \$1,257,510. On the revenue side, apportionments account for \$1,169,500 with cities providing \$390,000 of the income, special districts \$374,833 and the balance from the County of Orange,



OC LAFCO FY 2020-21 City Allocations

City	FY 2020-21 City Allocation
Aliso Viejo	\$ 5,801.67
Anaheim	41,218.15
Brea	6,573.82
Buena Park	9,267.00
Costa Mesa	13,128.16
Cypress	5,601.89
Dana Point	4,346.20
Fountain Valley	6,735.75
Fullerton	16,896.74
Garden Grove	18,444.80
Huntington Beach	23,068.75
Irvine	38,326.32
Laguna Beach	4,011.46
Laguna Hills	4,132.54
Laguna Niguel	8,912.79
Laguna Woods	2,110.31
La Habra	6,929.55
Lake Forest	10,965.00
La Palma	1,701.37
Los Alamitos	1,919.15
Mission Viejo	12,078.26
Newport Beach	13,217.37
Orange	17,587.93
Placentia	5,802.80
Rancho Santa Margarita	7,023.26
San Clemente	9,628.34
San Juan Capistrano	6,390.16
Santa Ana	33,881.19
Seal Beach	4,842.10
Stanton	3,919.26
Tustin	9,227.27
Villa Park	971.94
Westminster	9,883.98
Yorba Linda	10,288.05
TOTAL	\$ 374,833.33

OC LAFCO FY 2020-21 Special District Allocations

District	ISDOC Formula Calculation FY 2020-21
Silverado-Modjeska Rec. & Park	\$ 449.80
Surfside Colony Stormwater	449.80
Rossmoor/Los Alamitos Area Sewer District	449.80
Surfside Colony CSD	449.80
Capistrano Bay CSD	2,211.52
Rossmoor CSD	2,211.52
Three Arch Bay CSD	2,211.52
Emerald Bay CSD	2,211.52
Buena Park Library District	2,211.52
Placentia Library District	2,211.52
Orange County Cemetery District	3,373.50
Orange County Vector Control District	4,460.52
Total Non-Enterprise Districts	\$ 22,902.32
Sunset Beach Sanitary District	4,460.52
Serrano Water District	13,381.55
East Orange Co. Water District	13,381.55
Midway City Sanitary District	17,804.58
Trabuco Canyon Water District	17,804.58
Costa Mesa Sanitary District	17,804.58
El Toro Water District	22,265.10
Mesa Water District	22,265.10
Yorba Linda Water District	22,265.10
South Coast Water District	26,725.62
Moulton Niguel Water District	31,186.13
Santa Margarita Water District	31,186.13
Municipal Water District of O.C.	35,646.65
Orange County Water District	35,646.65
Irvine Ranch Water District	40,107.17
Total Enterprise Districts	\$ 351,931.01
Total Special Districts	\$ 374,833.33



Board Moves to Weekly Meetings During COVID-19 CRISIS

Orange County.

Traditionally the County Board of Supervisors meet on the second and fourth Tuesday of each month. At the suggestion of Chairwoman Michelle Steel, the Board is now meeting each Tuesday to accept weekly reports from key County Health Officials updating information on the status of COVID-19 in

The regular meeting on the second and fourth Tuesdays still resolve the vast majority of County issues but occasionally non-health related issues will be added to the special health meetings as well.

COVID-19 Stokes Board Divide

The May 5th meeting of the Board of Supervisors featured intense debate over the handling of the Governor's closure of Orange County beaches. Supervisor Andrew Do argued that even if distasteful, the rule of law must reign supreme. He argued that the County should submit an immediate plan for the Governor's review that would encompass numerous beach restrictions including limited hours, social distancing and a ban of staying in one place. Supervisor Don Wagner characterized the beach ban as "arbitrary and capricious" and probably unconstitutional. He argued to ignore the Governor's order. On a final vote of 3-2, with Supervisor Steel joining in opposition with Supervisor Wagner, the motion to submit a plan to the Governor was adopted and shortly after the Governor lifted the beach ban.

At the May 12th meeting of the Board, the Supervisors were subjected to blistering attacks from forty people sharing public comments. Those testifying unanimously argued to "open up" Orange County. Moms with small children joined with small business owners demanding the Supervisors take action. Later in the meeting, Supervisors expressed empathy for those negatively affected but lay the blame squarely at the feet of Governor Newsom.

The Supervisors expressed frustration with a number of Sacramento edicts including the requirement that to move from Stage Two recovery to Stage Three recovery, among other things, a County would need to go fourteen consecutive days without a COVID-19 death. This requirement exists for all counties regardless of population. So what is easy to accomplish in Alpine County is much harder for more populous counties. The Board voted unanimously to join with San Bernardino, Riverside, and San Diego counties to jointly send a letter to the Governor expressing concerns.

The Board also on a 3-2 vote defeated (at least temporally) a plan by Supervisor Wagner to divert \$75 million of CARES ACT money to Orange County cities for distribution to small businesses. Once again, Wagner was joined by Supervisor Michelle Steel, signaling new alliances in the Board.

Board Approved Teeter Bond Limit

With a hat tip to Peer Swan for bringing the matter up at our April PAL meeting, the next day, April 21st at the scheduled COVID-19 health update meeting, the Board also voted on an urgent update to the Orange County Teeter Bond Program.

The Teeter Bond financing mechanism is used by 93 government entities that benefit from an earlier distribution of property tax revenues. Because of fears of impending property tax delinquencies, the County sought an increase in the program to a \$150 million limit, an increase from current \$100 million limit. The County's Teeter Bond financial partner Wells Fargo Bank notified the County on April 10th that due to uncertainties in the current credit markets the Board would have to approve the credit hike by April 21st. The rapidity of the matter also meant the Board had to change it's usual procedure of allowing bond financing to first be approved by the Public Financing Advisory Committee (PFAC).

The matter was non-controversial in nature and was passed unanimously in seconds.



Where Orange County Ranks

LOCATION	POPULATION	CONFIRMED CASES	DEATHS
CALIFORNIA	39,512,223	67,939	2,770
LOS ANGELES COUNTY	10,098,052	32,258	1,569
RIVERSIDE COUNTY	2,383,286	5,189	217
SAN DIEGO COUNTY	3,302,833	5,065	175
SAN BERNARDINO COUNTY	2,135,413	3,015	115
ORANGE COUNTY	3,164,182	3,557	77



LATEST PRESIDENTIAL POLLS

Wednesday, May 6

Race/Topic (Click to Sort)	Poll	Results	Spread
General Election: Trump vs. Biden	Monmouth	Biden 50, Trump 41	Biden +9
General Election: Trump vs. Biden	Economist/YouGov	Biden 46, Trump 42	Biden +4
General Election: Trump vs. Biden	CNBC	Biden 47, Trump 44	Biden +3

From the Public Policy Institute of California April 2020 Poll

Under Proposition 13, passed by the California voters in 1978, residential and commercial property taxes are both strictly limited. What if there was a state ballot measure to have commercial properties taxed according to their current market value and direct some of this new tax revenue to state funding for K–12 public schools?

Would you vote yes or no?

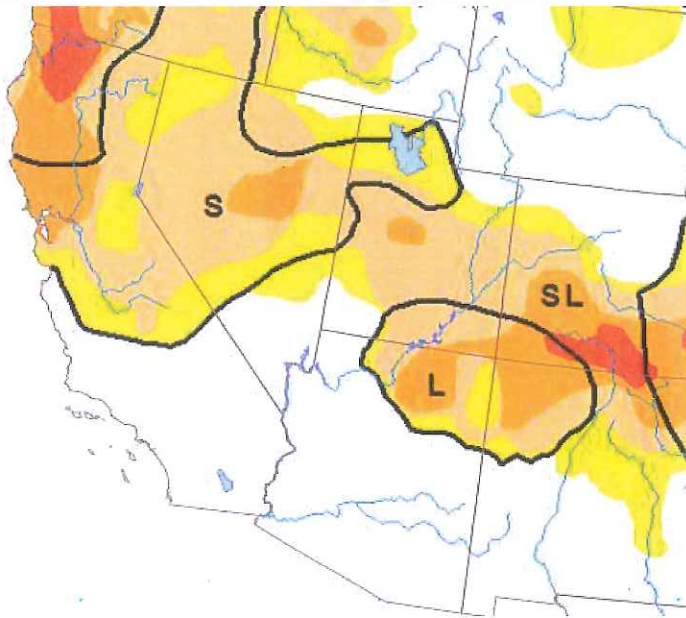
53% yes
46% no
2% don't know

What if there was a measure on your local ballot to increase local parcel taxes to provide more funds for the local public schools?

Would you vote yes or no?

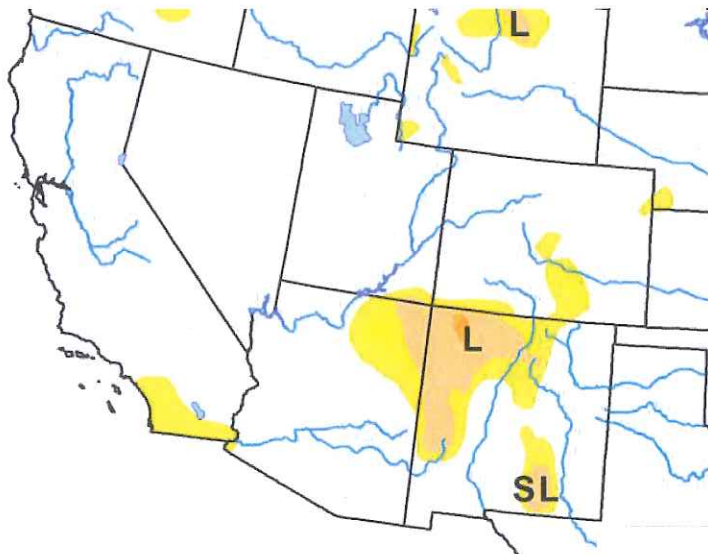
42% yes
57% no
1% don't know

California Water Supply - Good News / Bad News



May 5, 2020
U.S. DROUGHT MONITOR

and one year ago ...



Intensity and Impacts

None	D3 (Extreme Drought)
D0 (Abnormally Dry)	D4 (Exceptional Drought)
D1 (Moderate Drought)	No Data
D2 (Severe Drought)	

The May 5, 2020 U.S. Drought Monitor shows a tale of two Californias, with Southern California experiencing no current drought. Unfortunately a sub par rain and snow season has left Northern California at a deficit and as of April 1, the Golden State snowpack was only 53% of average. Luckily, the 2019 season left our reserves in good shape, giving us an additional cushion.

The Colorado River basin is also suffering from drought conditions. Rivers feeding Lake Powell are running at 50% of the May 12th average. Even so, Lake Powell as of May 11, 2020, is 24.4 feet over this date last year.

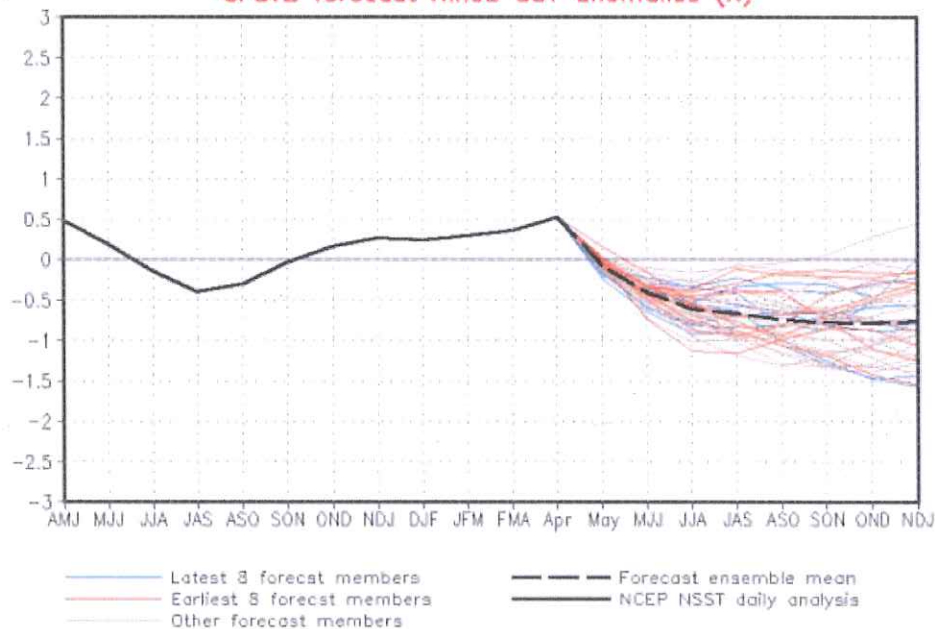
Is La Niña Looming? ENSO METER



NWS/NCEP/CPC

Last update: Tue May 12 2020
Initial conditions: 1 May 2020–10 May 2020

CFSv2 forecast Nino3 SST anomalies (K)



Municipal Water District of Orange County Item No. 1e

PAL Committee, 5/18/2020

Prepared by Best Best & Krieger LLP

A. Priority Support/Oppose

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 2093	Gloria D	Public records: writing transmitted by electronic mail: retention.	3/10/2020-Action From JUD.: Do pass.To APPR..	Would, unless a longer retention period is required by statute or regulation, or established by the Secretary of State pursuant to the State Records Management Act, require a public agency, for purposes of the California Public Records Act, to retain and preserve for at least 2 years every public record, as defined, that is transmitted by electronic mail.	Opposed	A. Priority Support/ Oppose	Letter submitted on April 17 th .
AB 2182	Rubio, Blanca D	Emergency backup generators: water and wastewater facilities: exemption.	3/2/2020-R eferred to Coms. on U. & E. and NAT. RES.	Would exempt the operation of an alternative power source, as defined, to provide power to a critical facility, as defined, from any local, regional, or state regulation regarding the operation of that source. The bill would authorize providers of essential public services, in lieu of compliance with applicable legal requirements, to comply with the maintenance and testing procedure set forth in the National Fire Protection Association Standard for Emergency and Standby Power System, NFPA 110, for alternative power sources designated by the providers for the support of critical facilities.	Support	A. Priority Support/ Oppose	Letter submitted on April 17 th .
AB 2246	Mayes R	Surface Mining and Reclamation Act of 1975 exemption for MWD.	2/27/2020 Referred to Coms. on NAT. RES. and W., P., & W.	Would additionally exempt from the provisions of the act emergency excavations or grading conducted by the Metropolitan Water District of Southern California for the specified purposes and surface mining operations conducted on lands owned or leased, or upon which easements or rights-of-way have been obtained, by the Metropolitan Water District of Southern California for the purpose of repairing, maintaining, or replacing pipelines, infrastructure, or related transmission systems used for the distribution of water in the specified counties. The bill would require the Metropolitan Water District of Southern California to provide an annual report to the Department of Conservation and any affected county by the date specified by the department on these surface mining operations.	Support	A. Priority Support/ Oppose	MWD coalition letter.
AB 2296	Quirk D	State Water Resources Control Board: local primacy delegation: funding stabilization	2/24/2020- Referred to Com. on E.S. & T.M.	Would authorize the State Water Resources Control Board to delegate partial responsibility for the California Safe Drinking Water Act's administration and enforcement by means of a local primacy delegation agreement. The bill would authorize the state board, for counties that	Out for Analysis	A. Priority Support/ Oppose	

		program.		have not been delegated primary responsibility as of January 1, 2021, to offer an opportunity for the county to apply for partial or primary responsibility if the state board determines that it needs assistance in performing administrative and enforcement activities, as specified. The bill would authorize the state board to approve the application for delegation if the state board determines that the local health officer is able to sufficiently perform the administrative and enforcement activities and would specify that a local primacy agency has all of the authority over designated public water systems as is granted to the state board by the act.			
AB 2560	Quirk D	Water quality: notification and response levels: procedures.	2/20/2020-From printer. May be heard in committee March 21.	The California Safe Drinking Water Act requires the State Water Resources Control Board to adopt drinking water standards for contaminants in drinking water based upon specified criteria and requires any person who owns a public water system to ensure that the system, among other things, complies with those drinking water standards. The act requires a public water system to provide prescribed notices within 30 days after it is first informed of a confirmed detection of a contaminant found in drinking water delivered by the public water system for human consumption that is in excess of a maximum contaminant level, a notification level, or a response level established by the state board. This bill would require the state board to comply with specified public notice and comment and peer review procedures, as prescribed, when establishing or revising notification or response levels.	Support	A. Priority Support/ Oppose	Letter submitted on April 17 th .
SB 45	Allen D	Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020.	1/30/2020-In Assembly. Read first time. Held at Desk.	Would enact the Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$5,510,000,000 pursuant to the State General Obligation Bond Law to finance projects for a wildfire prevention, safe drinking water, drought preparation, and flood protection program.	Out for Analysis	A. Priority Support/ Oppose	
SB 996	Portantino D	State Water Resources Control Board: Constituents of Emerging Concern Program.	3/5/2020-Referred to Com. on EQ.	Would require the State Water Resources Control Board to establish by an unspecified date and then maintain an ongoing, dedicated program called the Constituents of Emerging Concern Program to support and conduct research to develop information and, if necessary, provide recommendations to the state board on constituents of emerging concern in drinking water that may pose risks to public health. The bill would require the state board to establish the Stakeholder Advisory Group and the Science Advisory Panel, both as prescribed, to assist in the gathering and development of information for the program, among other	Support	A. Priority Support/ Oppose	MWD coalition letter

				functions. The bill would require the program to provide opportunities for public participation, including conducting stakeholder meetings and workshops to solicit relevant information and feedback for development and implementation of the program.			
SB 1099	Dodd D	Emergency backup generators: critical facilities: exemption.	2/27/2020-Referred to Com. on EQ.	Would, consistent with federal law, require air districts to adopt a rule, or revise its existing rules, to allow critical facilities with a permitted emergency backup generator to use that emergency backup generator during a deenergization event or other loss of power, and to test and maintain that emergency backup generator, as specified, without having that usage, testing, or maintenance count toward that emergency backup generator's time limitation on actual usage and routine testing and maintenance. The bill would prohibit air districts from imposing a fee on the issuance or renewal of a permit issued for those critical facility emergency backup generators.	Support	A. Priority Support/ Oppose	Letter submitted on April 17 th .

B. Watch

Measure	Author	Topic	Status	Brief Summary	Position	Priority	Notes 1
AB 1957	Gallagher R	Paradise Irrigation District: water pipeline: design-build process.	2/18/2020-Re-referred to Com. on L. GOV.	Current law authorizes, until January 1, 2025, local agencies, as defined, to use the design-build project delivery process, as specified, for specified public works. This bill would authorize the Paradise Irrigation District to utilize the design-build project delivery process to assign contracts for the construction of a water conveyance pipeline from the Town of Paradise to the City of Chico.	Watch	B. Watch	
AB 2095	Cooper D	Water theft: enhanced penalties.	2/24/2020-Re-referred to Com. on L. GOV.	Current law authorizes the legislative body of a city or a county to make, by ordinance, any violation of an ordinance subject to an administrative fine or penalty and limits the maximum fine or penalty amounts for infractions, to \$100 for the first violation, \$200 for a 2nd violation of the same ordinance within one year of the first violation, and \$500 for each additional violation of the same ordinance within one year of the first violation. This bill would authorize the legislative body of a city or a county to make, by ordinance, any violation of an ordinance regarding water theft, as defined, subject to an administrative fine or penalty in excess of the limitations above, as specified.	Out for Analysis	B. Watch	
AB 2148	Quirk D	Climate change: adaptation: regional climate adaptation planning groups: regional climate adaptation plans.	3/9/2020-Re-referred to Com. on NAT. RES.	Current law establishes the Integrated Climate Adaptation and Resiliency Program, administered by the Office of Planning and Research, to coordinate regional and local efforts with state climate adaptation strategies to adapt to the impacts of climate change, as specified. This bill would require the Strategic Growth Council, by July 1,	Out for Analysis	B. Watch	

				2021, to establish guidelines for the formation of regional climate adaptation planning groups. The bill would require the council, by July 1, 2022, to develop criteria for the development of regional climate adaptation plans.			
AB 2322	Friedman D	Small water suppliers and rural communities: drought and water shortage planning: repeal.	2/15/2020-From printer. May be heard in committee March 16.	Current law makes legislative findings and declarations regarding drought planning for small water suppliers and rural communities, and requires the Department of Water Resources, in consultation with the State Water Resources Control Board and other relevant state and local agencies and stakeholders, to use available data to identify, no later than January 1, 2020, small water suppliers and rural communities that may be at risk of drought and water shortage vulnerability and notify counties and groundwater sustainability agencies of those suppliers or communities. Current law requires the department, in consultation with the state board, to propose to the Governor and the Legislature, by January 1, 2020, recommendations and guidance relating to the development and implementation of countywide drought and water shortage contingency plans to address the planning needs of small water suppliers and rural communities, as provided. This bill would repeal these provisions.	Watch	B. Watch	
AB 2324	Friedman D	Urban water use.	2/15/2020-From printer. May be heard in committee March 16.	Current law requires the Department of Water Resources, in coordination with the State Water Resources Control Board, to conduct necessary studies and investigations, as prescribed, and make a recommendation to the Legislature, by January 1, 2020, on the feasibility of developing and enacting water loss reporting requirements for urban wholesale water suppliers. This bill would repeal these provisions.	Watch	B. Watch	
AB 3256	Garcia, Eduardo D	Climate risks: bond measure.	2/24/2020-Read first time.	The California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, approved by the voters as Proposition 68 at the June 5, 2018, statewide direct primary election, authorizes the issuance of bonds in the amount of \$4,000,000,000 pursuant to the State General Obligation Bond Law to finance a drought, water, parks, climate, coastal protection, and outdoor access for all program. This bill would state the intent of the Legislature to enact a bond measure that would address climate risks to the State of California.	Out for Analysis	B. Watch	
SB 797	Wilk R	Water resources: permit to appropriate: application procedure.	3/3/2020-Set for hearing March 24.	Current law requires the State Water Resources Control Board to issue and deliver a notice of an application as soon as practicable after the receipt of an application for a permit to appropriate water that conforms to the law. Current law allows interested persons to file a written protest with regard to an application to appropriate	Out for Analysis	B. Watch	

				water and requires the protestant to set forth the objections to the application. Current law declares that no hearing is necessary to issue a permit in connection with an unprotested application, or if the undisputed facts support the issuance of the permit and there is no disputed issue of material fact, unless the board elects to hold a hearing. This bill, if the board has not rendered a final determination on an application for a permit to appropriate water within 30 years from the date the application was filed, would require the board to issue a new notice and provide an opportunity for protests before rendering a final determination, with specified exceptions.			
SB 971	Hertzberg D	Small water supplier and countywide water shortage contingency planning.	3/3/2020-Set for hearing March 24.	Would require a small water supplier, as defined, with 1,000 to 2,999 service connections, inclusive, to prepare and adopt a small water supplier water shortage contingency plan that consists of specified elements. The bill would require a small water supplier with 15 to 999 service connections, inclusive, to take specified actions related to water shortage planning and response. The bill would require small water suppliers to provide to the public, and to report, the plan and specified water shortage planning information, as prescribed.	Out for Analysis	B. Watch	
SB 1011	Dahle R	Water quality: waste discharge requirements: fees: report.	2/27/2020-Referred to Com. on RLS.	The Porter-Cologne Water Quality Control Act, with certain exceptions, requires a waste discharger to file a report of waste discharge with a California regional water quality control board and to pay an annual fee established by the State Water Resources Control Board (state board). The act requires the state board to report to the Governor and the Legislature on the expenditure of those annual fees on or before January 1 of each year. This bill would make a nonsubstantive change to these provisions.	Out for Analysis	B. Watch	
SB 1044	Allen D	Firefighting equipment and foam: PFAS chemicals.	2/27/2020-Referred to Coms. on EQ., G.O., and JUD.	Would, commencing January 1, 2022, require any person, including a manufacturer, as defined, that sells firefighter personal protective equipment to any person or public entity to provide a written notice to the purchaser at the time of sale if the firefighter personal protective equipment contains perfluoroalkyl and polyfluoroalkyl substances (PFAS), and would provide that a violation of this requirement is punishable by a specified civil penalty. The bill would require the seller and the purchaser to retain the notice on file for at least 3 years and to furnish the notice and associated sales documentation to the State Fire Marshal within 60 days upon request, as provided.	Out for Analysis	B. Watch	
SB 1056	Portantino D	Drinking water: testing: perfluoroalkyl and	2/27/2020-Referred to Com. on EQ.	Would require the State Water Resources Control Board, on or before January 1, 2022, to certify a methodology or methodologies for testing drinking water, groundwater, and	Out for Analysis	B. Watch	

		polyfluoroalkyl substances.		surface water for perfluoroalkyl and polyfluoroalkyl substances, as provided, and to accredit qualified laboratories in California to analyze perfluoroalkyl and polyfluoroalkyl substances pursuant to the adopted methodology or methodologies.			
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Total Measures: 18

Total Tracking Forms: 18

The Metropolitan Water District of Southern California
State Legislative Matrix
May 4, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1071 Limon (D) Sponsor: California Climate and Agricultural Network	Amended 1/6/2020 Senate	Climate change: agriculture: Agricultural Climate Adaptation Tools Program: grants Establishes a pilot program in the Central Valley, Central Coast and desert regions of the state where grant funding is available for the purposes of developing planning tools for adapting to climate change within the agricultural sector.	SUPPORT Based upon Board Action on 7/9/2019	The bill was amended to mirror language from AB 409 (Limón), which Metropolitan supported. The Board has formally adopted policies supporting research related to the effects of climate change on water supply and water quality. This measure provides funding and guidance to support resilient agricultural practices.
AB 1580 Levine (D) Sponsor: Author	Amended 7/1/2019 Senate Appropriations Committee - Suspense File	Major infrastructure construction projects: oversight committees Requires a state agency undertaking a publicly-funded infrastructure project of \$1 billion or more to form an oversight committee and develop a risk management plan to minimize cost overruns.	OPPOSE Based upon Board- adopted 2019 State Legislative Priorities and Principles	To the extent the bill is aimed at proposed Delta conveyance, it is duplicative of the Delta Conveyance Design and Construction Authority (DCA). At the direction of the Department of Water Resources, the DCA is tasked to provide oversight and risk management in order to protect the ratepayers who will pay for and benefit from the project.

The Metropolitan Water District of Southern California
State Legislative Matrix
May 4, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 2246 Mayes (I) Sponsor: Metropolitan	Introduced 2/13/2020 Assembly Natural Resources Committee On hold	Surface Mining and Reclamation Act of 1975: exemption: Metropolitan Water District of Southern California Amends the Surface Mining and Reclamation Act of 1975 (SMARA) to grant Metropolitan an exemption for emergency excavations or grading on its land to repair, maintain, or replace pipelines, infrastructure, or related transmission systems used to distribute water in Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura counties.	SPONSOR	Maintaining critical water infrastructure requires coordinated regulatory compliance. Metropolitan is proposing legislation to grant it special status under SMARA, so it can consistently administer and enforce SMARA compliance for the purpose of responding to emergencies, repairing, maintaining or replacing any pipelines, infrastructure, or related transmission systems used to distribute water in Southern California.
AB 3039 Quirk (D) Sponsor: Author	Introduced 2/21/2020 Assembly Environmental Safety and Toxic Materials Committee Hearing: 5/14/2020	Underground storage tanks: small business loan and grant program Extends the operation of the Underground Storage Tank Cleanup Fund loan and grant program from January 1, 2022 to January 1, 2026.	SUPPORT Based upon Board- adopted 2020 State Legislative Priorities and Principles	The program assists small businesses upgrade, replace or remove underground storage tanks to meet applicable local, state or federal standards. In Southern California, the program paid to remediate underground storage tanks leaking MTBE and other gasoline additives contaminating groundwater supplies.

The Metropolitan Water District of Southern California
State Legislative Matrix
May 4, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 45 Allen (D) Sponsor: Author	Amended 1/23/2020 Assembly	Wildfire, Drought, and Flood Protection Bond Act of 2020 Places a wildfire and water bond totaling \$5.51 billion on the November 2020 ballot for voter approval.	SUPPORT AND AMEND Based upon Board action on 6/11/19	Would provide funding to restore areas damaged by wildfires, mitigate future wildfires, create healthy forests and watersheds, protect water supplies and water quality, and protect and restore rivers, streams and lakes. Metropolitan is seeking amendments to ensure adequate funding for safe drinking water needs, restoration projects that would benefit Voluntary Agreements for managing the Bay-Delta and the tributaries, and for recycled water projects.
SB 69 Wiener (D) Sponsors: California Coastkeeper Alliance and Pacific Coast Federation of Fishermen's Associations	Amended 7/11/2019 Assembly Appropriations Committee – Suspense File	Ocean Resiliency Act of 2019 Seeks to bolster the resilience of the state's marine and coastal environments to climate change and improve conditions for salmon and other commercially valuable species.	WATCH Based upon Board-adopted 2019 State Legislative Priorities and Principles	Would replace existing forestry, fishery and water quality regulatory processes with different approaches to improve conditions for fish upstream of the Delta and in the ocean along the California coast. The bill as amended on June 25, 2019 addresses concerns of Metropolitan and the State Water Contractors.

The Metropolitan Water District of Southern California
State Legislative Matrix
May 4, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 204 Dodd (D) Sponsor: Delta Counties Caucus	Amended 5/17/2019 Assembly Water, Parks and Wildlife	State Water Project: contracts Revises the notification requirements for pending State Water Project (SWP) contract negotiations and contract amendments. Explicitly requires the California Water Commission to review and report on the progress of the design, construction, and operation of any new Delta conveyance facility as a part of its annual review of the SWP.	WATCH Based upon Board- adopted 2019 State Legislative Priorities and Policies	The bill as amended on May 17, 2019 adheres to the author's stated purpose and deletes objectionable provisions related to the Delta Conveyance joint powers authorities. Bill provides for further transparency on any future amendments to State Water Project contracts as described in Water Code Section 147.6 (c) and construction of future Delta conveyance improvements.
SB 414 Caballero (D) Sponsor: Eastern Municipal Water District and California Municipal Utilities Association (CMUA)	Amended 6/25/2019 Assembly Appropriations Committee – Suspense File	Small System Water Authority Act of 2019 Authorizes the State Water Resources Control Board (SWRCB) to merge small, non-noncompliant public water systems into a regional water authority that will directly benefit from increased economies of scale and access to public financing.	SUPPORT Based upon past support for AB 2050 (Caballero) from 2017/18	Sets deadline for small water systems to comply with safe drinking water standards or consolidate into a regional authority managed by a SWRCB-appointed contractor until water system achieves self-sufficiency, complies with drinking water standards, and can reliably provide access to safe drinking water.

The Metropolitan Water District of Southern California
State Legislative Matrix
May 4, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 559 Hurtado (D) Sponsor: Friant Water Authority	Amended 7/3/2019 Assembly Appropriations Committee- Suspense File	Department of Water Resources: grant: Friant-Kern Canal Seeks to address problems of land subsidence on the federally-owned Friant Kern Canal.	SUPPORT IF AMENDED Based upon Board- adopted 2019 State Legislative Priorities and Principles	Addresses land subsidence in the Central Valley but only focuses on impacts to the Friant-Kern Canal. Metropolitan is seeking amendments to include the need to address subsidence problems on the California Aqueduct to ensure reliable water supply for Southern California.
SB 946 Pan (D) Sponsor: Sacramento Area Flood Control Agency	Amended 3/12/2020 Senate Natural Resources and Wildlife Committee	Flood control: Yolo Bypass Cache Slough Partnership Multibenefit Program Codifies support for the Yolo Bypass Partnership and its efforts to advance coordinated master planning and accelerate restoration activities for the Yolo Bypass-Cache Slough region.	SUPPORT Based upon Board- adopted 2020 State Legislative Priorities and Principles	A master plan for the Yolo Bypass-Cache Slough would advance multi-benefit restoration projects and encourage state and federal agencies to coordinate regulatory compliance and funding for flood control and water systems.
SB 952 Nielsen (R) Sponsor: Author	Introduced 2/10/2020 Senate Governance and Finance Committee	Sales and use taxes: exemption: backup electrical resources: deenergization events. Authorizes a sales and use tax exemption beginning January 1, 2021 for the purchase, lease, use or consumption of backup electrical resources during planned deenergization events.	SUPPORT and SEEK AMENDMENTS Based upon Board- adopted 2020 State Legislative Priorities and Principles	Reduces water agencies' and other essential public service providers' cost to purchase or upgrade emergency backup generators to continue service and operations during planned public safety power shutoffs.

The Metropolitan Water District of Southern California
State Legislative Matrix
May 4, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 996 Portantino (D) Sponsors: Metropolitan and the California Municipal Utilities Association	Amended 4/1/2020 Senate Environmental Quality Committee On hold	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	Metropolitan and the California Municipal Utilities Association are co-sponsoring legislation in response to growing public concern about CECs in drinking water. The bill would establish a CEC Drinking Water Program at the State Water Resources Control Board. The program would set up a consistent and science-based approach for assessing the public health and drinking water consequences of CECs, with the intent to improve and expedite future regulatory determinations.
SB 1044 Allen (D) Sponsor: California Professional Firefighters and Natural Resources Defense Council	Introduced 2/18/2020 Senate Environmental Quality Committee	Firefighting equipment and foam: PFAS chemicals Requires any seller of firefighting personal protective equipment to provide written notice to the purchaser if the equipment contains PFAS. Also, prohibits the discharge of state class B firefighting foam that contains PFAS.	SUPPORT Based upon Board approved 2020 State Legislative Priorities and Principles	Metropolitan and member agencies would benefit from this bill because banning PFAS-laden firefighting foam would protect drinking water sources. Firefighting foams, especially those used for training purposes (e.g., at airports and military bases), have been identified as sources of PFAS contamination in groundwater supplies.

The Metropolitan Water District of Southern California
State Legislative Matrix
May 4, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 1099 Dodd (D) Co-Sponsors: California Municipal Utilities Association and Las Virgenes Municipal Water District	Introduced 2/19/2020 Senate Environmental Quality Committee	Emergency backup generators: critical facilities: exemption. Directs air districts to adopt or revise an existing rule to suspend operational run time limits on emergency backup generators during public safety power shutoffs, and when needed for routine maintenance and testing.	SUPPORT and SEEK AMENDMENTS Based upon Board adopted 2020 State Legislative Priorities and Principles	Addresses water agencies need to maintain operations during planned power shutoffs designed to mitigate wildfire risks. Metropolitan seeking amendments that explore alternative approaches to revising existing rules that would allow water agencies to operate emergency generators without being out of compliance with run times set by local air districts.
SB 1323 Skinner (D) Sponsor: Author	Introduced 2/21/2020 Senate Environmental Quality Committee	Carbon sequestration: state goals: natural and working lands: registry of projects. Requires the Governor's Office of Planning and Research (OPR) to maintain a California Carbon Sequestration and Climate Resiliency Project Registry beginning January 1, 2021.	SUPPORT Based upon Board adopted 2020 State Legislative Priorities and Principles.	The registry would identify carbon sequestration projects, such as forestry management, wetlands restoration, healthy soils, and meadows restoration that meet state criteria for funding. Metropolitan and its member agencies with agricultural land holdings and planned carbon sequestration projects could benefit by applying to add their projects to the registry making them eligible for state funding programs.

The Metropolitan Water District of Southern California
State Legislative Matrix
May 4, 2020

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
Governor's Proposed Budget Trailer Bill Language	Introduced 1/31/2020	<p>Governor's Proposed Safe Drinking Water, Wildlife Prevention and Natural Resources Protection Bond Act of 2020</p> <p>Would place a \$4.75 billion climate resilience bond for voter approval on the November 2020 ballot.</p>	<p>SUPPORT and SEEK AMENDMENTS</p> <p>Based upon Board Action on 3/9/2020</p>	<p>Authorizes general obligation bond funding to improve statewide resiliency against climate change. The bond includes \$2.95 billion for safe and clean drinking water, and resilience to flood and drought. Metropolitan is seeking amendments to set aside funding for recycled water projects; state-owned conveyance infrastructure to reverse the impacts of subsidence; habitat restoration projects for native and protected fish species; monitoring and treatment for drinking water contaminants; and emergency backup generators that minimize air quality impacts.</p>

ETWD Public Education and Outreach Report

May 28, 2020

COVID-19 Messaging

Bill Message:

The customer May/June bill message: The ETWD administrative office is temporarily closed to the public. We are here to serve you Monday – Friday 7:30 a.m. – 5:00 p.m. by phone at (949) 837-0660, by email at CustomerService@etwd.com or online at <https://etwd.com/view-pay-yourbill/>. If you are experiencing financial hardship, please contact us to discuss flexible payment arrangements. Thank you for your assistance during this unprecedented time.

Flushing Guidance for Buildings:

ETWD will provide EPA and CDC guidance to commercial customers regarding reopening buildings after a prolonged shutdown or reduced operation. This guidance ensures the safety of occupants and building water systems.

Laguna Woods Village Television:

Laguna Woods Village Television filmed Dennis Cafferty for public service announcement regarding COVID-19 and the safety of drinking water. Video of staff taking a water quality sample and customer service staff will also be included in the PSA. When completed, it will be broadcast on LWV TV-6, listed on the ETWD website and shared on social media.

Newsletter:

Staff is developing an ETWD customer newsletter that will include COVID-19 and important District updates.

Water Quality Reports

ETWD has finalized the 2020 Water Quality Report and will be mailed out to the customers end of June. Customers will receive the report by July 1, 2020.

MWDOC School Program

Shows That Teach produced and released 6 short videos for the MWDOC Elementary School Program for grades K-2. With the schools closed, these videos are intended for students at home covering topics including safety of water during the outbreak, water cycle, wipes, aquifers and where my water comes from. The episodes are posted here:

<http://startwithheart.populr.me/mwdoc-weekly-videos-2>

**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
May 28, 2020**

REBATE PROGRAMS

The following tables are the current device rebate amounts for MET, MWDOC and ETWD for the fiscal year 2019/20 from July 1st through June 30th.

Select device purchases are eligible for rebates while devices meet eligibility requirements and while funding lasts. The rebate process is completed online through www.ocwatersmart.com. Customers without computer access can call 888-376-3314 to apply.

1) Residential Rebate Program:

Device	MET Rebate	MWDOC Grant	ETWD Rebate	Total Rebate (up to)
High Efficiency Clothes Washer (CEE tier one or better)	\$85		\$115	\$200
Premium High Efficiency Toilet (4 liter)	\$40		\$60	\$100
Rotating Sprinkler Nozzles (min 30 per home)	\$2 ea		\$1	\$3
Smart Irrigation Timer	\$80	\$100	\$100	\$280
Turf Removal Program (up to 5,000 sq ft)*	\$1 sq. ft.	\$2 sq. ft.		\$3 sq. ft.
Soil Moisture Sensor System <1 Acre >1 Acre	\$80 \$35/station	\$100	\$100	\$280 \$35/station
Rain Barrels Cisterns (200 -500 gallon) (501-999 gallon) (1,000 gallon or more)	\$35 \$250 \$300 \$350		\$15	\$50 \$250 \$300 \$350
Drip Irrigation (per kit and up to 5 kits)		\$90 base plus \$85		\$175 per kit

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

2) Commercial Plumbing/Irrigation Devices Rebate Program:

Device	MET Rebate	MWDOC Grant	ETWD Rebate	Total Rebate (up to)
Premium High Efficiency Toilet (4 liter)	\$40			\$40
Multi-family Premium High Efficiency Toilet (4 liter)	\$40			\$40
Zero Water/Ultra Low Water Urinal	\$200			\$200
Plumbing Flow Control Valve (min. 10)	\$5			\$5
Smart Irrigation Timer (weather based or central computer)	\$35/station			\$35/station
Rotating Sprinkler Nozzles (minimum quantity of 15)	\$2		\$1	\$3
Rotating Nozzles – Large Rotary	\$13			\$13
Turf Removal Program (up to 50,000 sq ft)*	\$1 sq. ft	\$2 sq. ft.		\$3 sq. ft.
Drip Irrigation (sq. ft.)(maximum 45,000 sq. ft)		\$0.20 sq. ft.		\$0.20 sq. ft.
Soil Moisture Sensor System	\$35/station	\$15/station		\$50/station

*Designated recycled water sites are not eligible for turf removal rebates. ETWD has discontinued synthetic turf rebates. Additional commercial rebates available online at ocwatersmart.com. MWDOC Grant funding based on availability.

WATER USE EFFICIENCY PLAN UPDATE (Water Conservation Plan)

The District Water Budget-Based Tiered Conservation Rate Structure (WBBTCRS) pricing structure is the primary plan that gives customers the incentive needed to be efficient. The Plan efforts initially will concentrate on those customers continually in the Inefficient and Excessive Tiers (Tiers 3 and 4). [As of April 2020 year-to-date sales, residential accounted for 65% of the overall Tier 3 usage and dedicated irrigation accounted for 56% of Tier 4 usage.](#)

TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

Included in this month's Conservation Report is a chart comparing the current fiscal year 2019/20 consumption and ET factor to the fiscal 2018/19 consumption and ET factor.

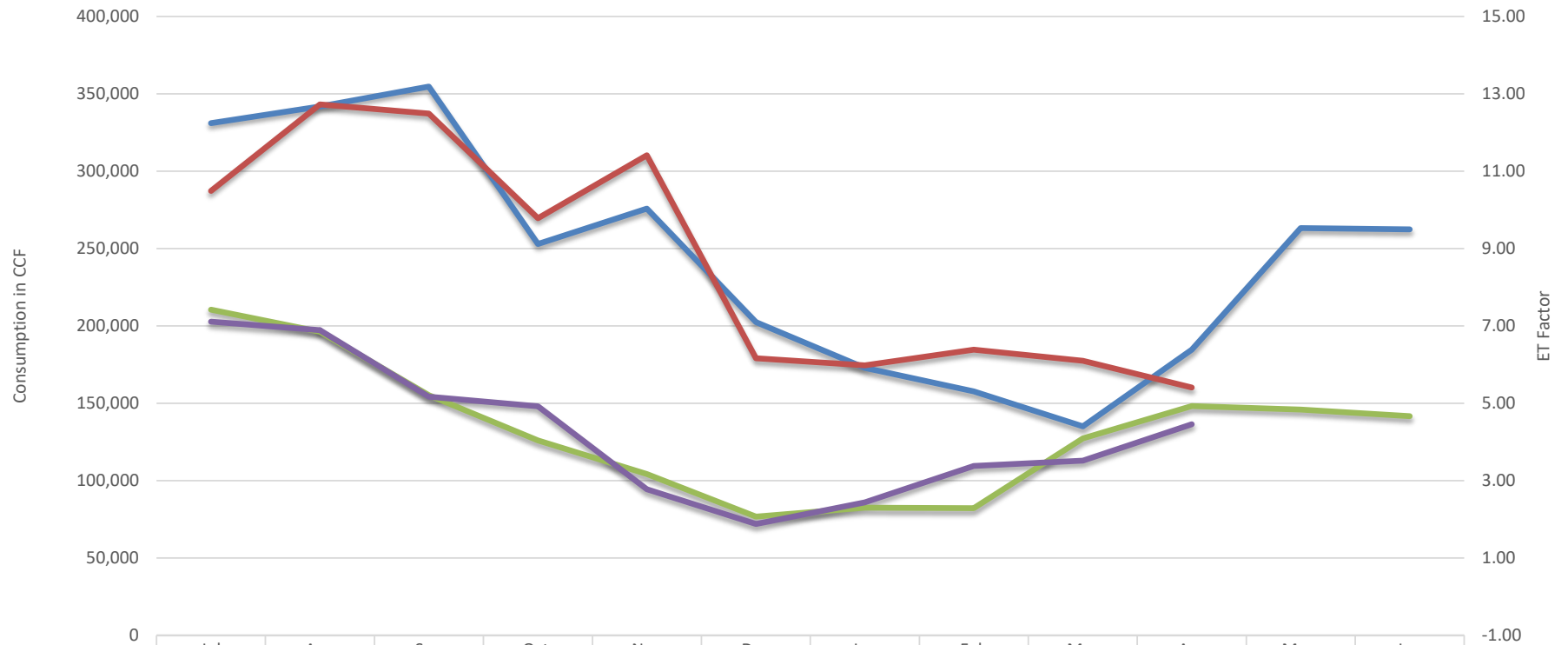
The ET factor decreased 10.5% from April 2019 when compared to April 2020. There was a 13% decrease in consumption reflected in April 2020.

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

**By: Sherri Seitz
Date: May 19, 2020**

Total Consumption Comparison



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2018-2019	331,098	341,819	354,683	253,007	275,853	202,506	172,911	157,696	135,090	184,628	263,218	262,396
2019-2020	287,207	343,163	337,247	269,666	310,344	179,155	174,596	184,609	177,526	160,199		
18/19 ET	7.42	6.85	5.21	4.04	3.17	2.07	2.30	2.29	4.09	4.93	4.84	4.67
19/20 ET	7.11	6.89	5.17	4.92	2.78	1.88	2.44	3.38	3.52	4.46		
%	87%	100%	95%	107%	113%	88%	101%	117%	131%	87%	0%	0%

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	14	50.0	16.3	\$47,055
High Efficiency Clothes Washers--Residential	2001	18	24.9	8.1	\$23,433
*SoCal Water Smart Commercial Plumbing Fixtures Rebate Program (ULFT's, HET's, Urinals, HECW, Cooling Tower Conductivity Controllers)	2002	17	49.4	16.1	\$46,490
SmarTimer Program--Irrigation Timers	2004	15	182.0	59.3	\$171,280
Rotating Nozzles Rebate Program	2007	12	118.4	38.6	\$111,464
Turf Removal Program	2010	9	57.7	18.8	\$54,255
**Water Smart Landscape Program - Ended 2016	1997	20	242.9	79.2	\$228,594
Synthetic Turf Rebate Program-Ended 2011	2007	8	0.9	0.3	\$847
***Ultra Low Flush Toilets (ULFT)--Ended 2009	1992	16	193.2	58.0	\$167,487
Computer Controlled Irrigation System--Gate 11--Ended 2006	2001	6	8.9	2.9	\$8,357
Totals			928.3	302.5	\$873,596

* 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 302.5 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	2001	April-20	207	0.59	1,932	29.11	121,185	4,181	33,941
Smart Timer Program - Irrigation Timers	2004	April-20	255	5.39	2,456	123.06	27,197	8,845	55,228
Rotating Nozzles Rebate Program	2007	April-20	197	0.79	3,163	12.65	570,644	2,789	21,101
Commercial Plumbing Fixture Rebate Program	2002	April-20	0	0.00	4,766	86.20	109,718	5,295	55,131
Industrial Process/Water Savings Incentive Program (WSIP)	2006	March-20	0	0.00	3	257.37	37	1,257	4,730
Turf Removal Program ^[3]	2010	March-20	37,552	0.44	343,187	13.50	22,736,240	3,184	16,455
High Efficiency Toilet (HET) Program	2005	April-20	12	0.04	184	7.83	60,557	2,238	21,869
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				7	355,691	530	24,970,402	53,792	464,958

⁽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 Interventions are listed as square feet.

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

HIGH EFFICIENCY CLOTHES WASHERS INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 12/13	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18	FY18/19	FY19/20	FY20/21	Total	Current FY Water Savings Ac/Ft (Cumulative)	Cumulative Water Savings across all Fiscal Years	15 yr. Lifecycle Savings Ac/Ft
Brea	93	115	114	76	57	55	53	32	-	2,007	0.43	561.67	1,038
Buena Park	105	106	91	76	54	50	46	26	-	1,640	0.27	447.17	849
East Orange CWD RZ	10	8	8	8	3	1	6	2	-	201	0.04	59.47	104
El Toro WD	134	121	111	65	47	50	40	27	-	1,638	0.46	447.83	848
Fountain Valley	115	102	110	76	65	48	39	28	-	2,515	0.39	735.53	1,301
Garden Grove	190	162	165	251	127	87	70	57	-	3,777	0.63	1,058.22	1,954
Golden State WC	265	283	359	260	138	156	92	85	-	5,348	1.13	1,502.19	2,767
Huntington Beach	334	295	319	225	180	139	93	103	-	8,581	1.49	2,547.74	4,440
Irvine Ranch WD	1,763	1,664	1,882	1,521	1,369	1,194	883	443	-	27,182	7.33	7,260.24	14,065
La Habra	82	114	87	66	53	48	48	42	-	1,465	0.58	394.08	758
La Palma	34	25	34	29	10	14	7	12	-	491	0.19	135.74	254
Laguna Beach CWD	38	37	39	32	19	20	18	16	-	986	0.21	280.60	510
Mesa Water	114	86	89	113	79	53	42	33	-	2,645	0.49	782.98	1,369
Moulton Niguel WD	442	421	790	688	574	524	357	275	-	11,076	4.08	2,891.22	5,731
Newport Beach	116	92	95	66	61	51	41	23	-	2,739	0.36	824.43	1,417
Orange	218	163	160	124	80	73	56	57	-	4,084	0.72	1,216.67	2,113
San Juan Capistrano	76	73	92	63	33	32	23	23	-	1,537	0.31	436.19	795
San Clemente	140	94	141	75	70	83	64	54	-	2,821	0.78	791.69	1,460
Santa Margarita WD	553	662	792	466	367	271	213	217	-	10,217	3.42	2,781.62	5,287
Seal Beach	31	29	38	23	9	17	8	19	-	646	0.29	182.11	334
Serrano WD	13	10	26	8	11	8	2	7	-	374	0.07	110.35	194
South Coast WD	89	79	68	43	44	36	28	29	-	1,677	0.47	470.62	868
Trabuco Canyon WD	30	45	47	34	28	22	13	12	-	845	0.19	235.90	437
Tustin	78	59	80	66	44	48	34	26	-	1,720	0.32	497.19	890
Westminster	121	82	109	149	84	65	46	30	-	2,727	0.47	773.11	1,411
Yorba Linda	181	167	156	123	55	66	43	51	-	3,911	0.85	1,165.45	2,024
MWDOC Totals	5,365	5,094	6,002	4,726	3,661	3,211	2,365	1,729	-	102,862	25.97	28,594.42	19,873
Anaheim	331	285	295	266	213	173	135	94	-	11,084	1.48	3,326.96	5,735
Fullerton	200	186	211	165	107	99	113	77	-	3,984	1.29	1,114.06	2,061
Santa Ana	163	131	132	259	141	124	128	32	-	3,255	0.37	905.22	1,684
Non-MWDOC Totals	694	602	638	690	461	396	376	203	-	18,323	3.14	5,346.25	3,540
Orange County Totals	6,059	5,696	6,640	5,416	4,122	3,607	2,741	1,932	-	121,185	29.11	33,940.67	23,412

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

Agency	FY 12/13		FY 13/14		FY 14/15		FY 15/16		FY16/17		FY17/18		FY18/19		FY19/20		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.	
Brea	9	8	4	0	43	6	20	4	31	4	32	0	33	0	28	0	224	80	585.35
Buena Park	3	0	0	0	4	10	7	4	10	7	15	3	17	7	20	1	83	52	186.72
East Orange CWD RZ	2	0	0	0	2	0	1	0	11	1	6	0	1	0	1	0	33	1	26.86
El Toro WD	7	2	11	0	8	9	9	17	33	8	29	4	34	0	21	0	199	359	2,729.70
Fountain Valley	3	2	4	0	7	10	13	1	33	12	28	12	36	4	33	(2)	188	54	232.40
Garden Grove	5	2	9	0	10	14	13	11	28	0	27	2	36	3	29	0	193	43	211.61
Golden State WC	9	49	9	25	39	12	35	16	56	37	88	6	85	15	72	0	470	213	980.18
Huntington Beach	18	33	20	35	19	2	42	12	88	94	70	30	105	65	64	21	511	384	1,348.19
Irvine Ranch WD	414	135	71	59	67	310	239	207	344	420	416	78	379	105	272	111	2,836	2,580	13,162.63
La Habra	4	7	2	0	4	7	3	1	12	7	8	0	19	3	18	(2)	81	45	237.72
La Palma	1	0	2	0	2	0	3	2	1	0	5	0	7	0	5	0	27	2	8.38
Laguna Beach CWD	76	2	71	0	86	0	86	1	27	0	11	0	8	0	14	0	530	20	272.59
Mesa Water	10	2	15	2	17	28	36	12	149	41	49	0	34	55	27	2	428	211	894.01
Moulton Niguel WD	51	74	40	45	46	95	163	100	236	129	284	33	316	64	258	43	1,772	941	4,280.63
Newport Beach	242	26	168	75	11	9	28	43	30	12	24	0	21	0	9	32	1,092	441	2,941.42
Orange	20	24	13	9	18	31	51	13	69	10	61	13	93	26	88	15	527	219	1,095.57
San Juan Capistrano	14	18	6	11	6	19	20	8	22	8	23	5	20	1	23	9	288	140	746.29
San Clemente	26	7	28	2	28	24	26	3	37	13	38	41	36	0	31	15	1,156	430	3,015.67
Santa Margarita WD	53	171	64	93	53	321	189	136	326	221	273	220	222	37	203	31	1,852	1,660	6,936.47
Seal Beach	1	0	1	36	1	12	2	2,446	2	4	5	0	6	31	9	0	27	2,533	6,825.34
Serrano WD	1	0	0	0	4	0	11	2	4	0	8	0	10	0	8	0	64	2	18.26
South Coast WD	13	16	8	4	104	73	9	11	7	0	15	2	7	7	14	0	314	221	1,312.17
Trabuco Canyon WD	6	0	2	0	6	1	16	50	13	3	20	0	33	0	30	0	186	157	1,063.63
Tustin	8	4	9	1	18	14	33	8	33	23	27	1	37	0	38	0	245	81	404.72
Westminster	1	1	2	0	13	17	7	1	17	12	22	0	24	0	20	0	131	44	232.49
Yorba Linda	20	0	12	5	32	2	61	27	72	71	68	10	74	4	93	5	573	202	990.43
MWDOC Totals	1,017	583	571	402	648	1,026	1,123	3,136	1,691	1,137	1,652	460	1,693	427	1,428	281	14,030	11,115	50,739.42

Anaheim	19	10	9	26	7	52	30	34	87	10	66	0	142	73	102	3	554	533	2,981.41
Fullerton	9	29	8	0	40	26	32	12	53	7	45	0	77	0	50	8	371	207	1,083.63
Santa Ana	8	19	7	8	9	27	22	26	15	3	16	0	24	20	16	129	138	249	423.47
Non-MWDOC Totals	36	58	24	34	56	105	84	72	155	20	127	0	243	93	168	140	1063	989	4,488.51

Orange County Totals	1,053	641	595	436	704	1,131	1,207	3,208	1,846	1,157	1,779	460	1,936	520	1,596	421	15,093	12,104	55,228
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ROTATING NOZZLES 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			Total Program			Cumulative Water Savings across all Fiscal Years
	Small		Large	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.	Res	Comm.	Comm.	
Brea	84	0	0	157	45	0	74	2,484	0	0	0	0	0	0	0	0	0	0	572	2,749	0				62.74
Buena Park	53	0	0	248	0	0	45	98	0	0	0	0	0	0	0	0	0	0	49	0	0	558	173	2,535	904.56
East Orange	30	0	0	221	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	781	0	0	22.41
El Toro	56	3,288	0	1,741	28,714	0	730	4,457	0	55	242	0	36	0	0	0	0	0	0	0	0	3,405	46,222	890	1,421.25
Fountain Valley	0	0	0	107	0	0	222	0	0	0	0	0	85	0	0	0	283	0	0	0	0	795	283	0	21.86
Garden Grove	80	0	0	88	50	0	110	0	0	55	98	0	52	0	0	0	0	0	72	0	0	1,057	299	0	37.86
Golden State	192	0	0	583	1,741	0	1,088	0	0	207	6,008	0	161	-495	0	35	259	0	63	1,652	0	3,707	12,732	0	299.31
Huntington Beach	120	0	0	798	1,419	0	1,345	2,836	0	149	3,362	0	-37	0	0	0	0	0	30	0	0	3,790	12,526	2,681	1,469.75
Irvine Ranch	11,010	4,257	0	1,421	632	0	1,989	5,047	0	335	9,511	0	356	-215	0	72	0	0	157	0	0	47,722	94,346	2,004	5,382.59
La Habra	15	0	0	109	338	0	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	481	1,236	900	404.34
La Palma	0	0	0	0	0	0	46	505	0	0	2,385	0	33	0	0	0	0	0	0	0	0	89	2,890	0	38.12
Laguna Beach	2,948	878	0	2,879	1,971	0	1,390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,139	2,896	0	361.30
Mesa Water	361	0	0	229	0	0	166	0	0	113	0	0	36	0	0	0	0	0	0	0	0	2,066	385	343	217.09
Moulton Niguel	361	227	0	1,596	4,587	0	5,492	1,441	0	153	5,872	0	893	0	0	713	38	0	633	0	0	14,113	20,553	2,945	1,931.13
Newport Beach	19,349	6,835	0	460	3,857	0	348	670	0	0	0	0	45	0	0	0	0	0	0	0	0	46,723	21,413	0	1,856.70
Orange	245	120	0	304	668	0	631	91	0	0	0	0	0	0	0	30	0	0	67	0	0	3,267	1,072	0	126.33
San Juan Capistrano	370	0	0	495	737	0	310	593	0	75	123	0	59	0	0	40	1,400	0	58	0	0	5,652	10,252	0	509.09
San Clemente	415	5,074	0	326	0	0	426	0	0	0	0	0	146	0	0	0	0	0	35	0	0	10,170	7,538	1,343	917.84
Santa Margarita	389	0	0	1,207	1,513	0	1,820	837	0	15	0	0	224	0	0	30	0	0	194	0	0	16,613	6,921	611	939.56
Seal Beach	0	0	0	40	5,261	0	0	2,300	0	0	0	0	0	0	0	0	0	0	0	0	0	155	7,852	0	159.45
Serrano	105	0	0	377	0	0	695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,405	0	0	106.90
South Coast	70	0	0	4,993	13,717	0	1,421	2,889	0	16	0	0	0	0	0	0	0	0	0	0	0	8,130	18,870	0	580.71
Trabuco Canyon	0	0	0	56	0	0	130	0	0	0	4,339	0	0	0	0	0	0	0	0	0	0	2,086	5,130	0	160.44
Tustin	329	0	0	408	0	0	317	386	0	65	-341	0	30	0	0	47	0	0	55	0	0	3,503	1,058	0	138.85
Westminster	0	0	0	54	0	0	73	0	0	105	0	0	50	0	0	42	0	0	0	0	0	556	0	0	13.41
Yorba Linda	40	990	0	921	0	0	1,715	0	0	213	0	0	0	0	0	34	0	0	0	0	0	6,115	4,359	500	519.44
MWDOC Totals	36,622	21,669	0	19,818	65,250	0	20,883	24,634	0	1,556	31,599	0	2,199	-710	0	1,043	1,980	0	###	1,652	0	197,650	281,755	14,752	18,603.02

Anaheim	338	0	0	498	712	0	794	5,221	0	147	3,953	0	0	0	0	0	0	0	0	0	0	4,020	49,799	105	1,569.31
Fullerton	107	0	0	684	1,196	0	521	7,015	0	65	3,034	0	0	0	0	140	0	0	75	0	0	3,125	11,309	1,484	778.09
Santa Ana	86	2,533	0	310	0	0	0	1,420	0	0	1,106	0	0	0	0	0	0	0	34	0	0	893	5,752	0	150.90
Non-MWDOC Totals	531	2,533	0	1,492	1,908	0	1,315	13,656	0	212	8,093	0	0	0	0	140	0	0	109	0	0	8,038	66,860	1,589	2,498.29

Orange County Totals	37,153	24,202	0	21,310	67,158	0	22,198	38,290	0	1,768	39,692	0	2,199	-710	0	1,183	1,980	0	###	1,652	0	205,688	348,615	16,341	21,101.31
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COMMERCIAL PLUMBING FIXTURES INSTALLED BY AGENCY^[1]
through MWDOC and Local Agency Conservation Programs

Agency	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Totals	Cumulative Water Savings across all Fiscal Years
Brea	234	0	10	91	734	242	0	74	1,681	671
Buena Park	5	23	56	591	133	49	0	94	2,632	1,510
East Orange CWD RZ	0	0	0	0	0	0	0	0	0	0
El Toro WD	0	212	6	268	35	737	717	0	2,516	840
Fountain Valley	0	0	1	249	0	895	0	398	2,165	851
Garden Grove	4	1	167	676	410	0	354	373	3,178	1,993
Golden State WC	0	1	0	1,008	53	93	86	80	3,124	2,479
Huntington Beach	104	144	7	783	641	10	208	270	3,442	2,149
Irvine Ranch WD	1,090	451	725	11,100	5,958	1,599	1,000	15	30,480	11,073
La Habra	0	0	0	340	42	0	0	59	984	725
La Palma	0	0	0	0	509	0	0	0	675	187
Laguna Beach CWD	0	27	0	0	0	0	0	0	446	404
Mesa Water	6	0	79	661	782	0	110	19	4,383	2,792
Moulton Niguel WD	0	0	3	413	281	506	4,392	285	6,460	1,473
Newport Beach	0	0	566	0	0	0	1,596	16	3,446	1,804
Orange	1	271	81	275	2,851	458	532	394	6,414	2,545
San Juan Capistrano	0	14	0	0	0	0	0	0	260	488
San Clemente	0	0	1	0	0	0	0	321	753	487
Santa Margarita WD	0	0	2	90	743	598	699	0	2,247	452
Seal Beach	0	0	0	0	184	278	0	0	816	565
Serrano WD	0	0	0	0	0	0	0	0	0	0
South Coast WD	148	0	382	0	0	0	0	0	1,320	714
Trabuco Canyon WD	0	0	0	0	0	0	0	0	11	19
Tustin	0	0	75	358	212	2	408	254	2,066	1,135
Westminster	1	28	0	146	177	25	0	170	1,333	1,293
Yorba Linda	1	0	0	226	84	338	0	83	1,016	749
MWDOC Totals	1,594	1,172	2,161	17,275	13,829	5,830	10,102	2,905	81,848	37,397
Anaheim	165	342	463	3,072	309	1,808	686	585	16,832	9,326
Fullerton	94	0	178	476	621	274	384	356	3,792	2,252
Santa Ana	16	17	5	1,293	238	582	7	920	7,246	6,157
Non-MWDOC Totals	275	359	646	4,841	1,168	2,664	1,077	1,861	27,870	17,734
Orange County Totals	1,869	1,531	2,807	22,116	14,997	8,494	11,179	4,766	109,718	55,131

[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 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	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	0	0
Buena Park	0	0	0	0	1	0	0	0	0	2	54	609
East Orange	0	0	0	0	0	0	0	0	0	0	0	0
El Toro	0	0	0	0	0	0	0	1	0	1	9	14
Fountain Valley	0	0	0	0	0	1	0	0	0	1	23	71
Garden Grove	0	0	0	0	1	0	0	0	1	2	7	4
Golden State	0	0	0	0	0	0	0	0	1	2	58	58
Huntington Beach	0	2	0	1	2	0	1	0	0	6	180	927
Irvine Ranch	1	1	1	0	2	1	1	0	0	10	119	871
La Habra	0	0	0	0	1	0	0	0	0	1	0	1
La Palma	0	0	0	0	0	0	0	0	0	0	0	0
Laguna Beach	0	0	0	0	0	0	0	0	0	0	0	0
Mesa Water	0	0	0	0	0	0	0	0	0	0	0	0
Moulton Niguel	0	0	0	0	0	0	0	0	0	0	0	0
Newport Beach	0	0	0	1	0	0	0	0	0	1	21	113
Orange	0	0	0	0	1	2	1	0	0	5	97	690
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0	0	0
San Clemente	0	0	0	0	0	0	0	0	0	0	0	0
Santa Margarita	0	0	0	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	0	0	0	0	0	0	0
Serrano	0	0	0	0	0	0	0	0	0	0	0	0
South Coast	0	0	0	0	1	1	0	0	0	2	134	414
Trabuco Canyon	0	0	0	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0	0	0	0
Westminster	0	0	0	0	0	0	0	1	0	1	117	107
Yorba Linda	0	0	0	0	0	0	0	1	0	1	20	31
MWDOC Totals	1	3	1	2	9	5	3	3	2	35	840	3912
Anaheim	0	0	0	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	0	0	0	0	1	1	282	188
Santa Ana	0	0	0	0	1	0	0	0	0	1	135	630
OC Totals	1	3	1	2	10	5	3	3	3	37	1257	4730

[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 13/14		FY 14/15		FY 15/16		FY 16/17		FY 17/18		FY 18/19		FY 19/20		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.	
Brea	5,697	0	71,981	30,617	118,930	404,411	8,354	479	9,853	27,234	3,180	44,733	2,026	0	228,997	516,940	511.56
Buena Park	0	0	11,670	1,626	77,127	16,490	3,741	0	4,586	0	1,230	0	4,754	0	98,354	18,116	80.42
East Orange	1,964	0	18,312	0	27,844	0	0	0	0	0	0	0	0	0	48,120	0	36.80
El Toro	4,582	0	27,046	221,612	63,546	162,548	13,139	48,019	7,273	42,510	12,856	9,895	3,087	18,604	137,845	557,302	518.81
Fountain Valley	4,252	0	45,583	5,279	65,232	0	3,679	0	8,631	0	5,764	28,700	734	0	135,123	41,503	117.51
Garden Grove	8,274	0	67,701	22,000	177,408	49,226	11,504	0	4,487	0	0	0	0	0	287,921	117,403	337.17
Golden State	32,725	8,424	164,507	190,738	310,264	112,937	0	0	0	0	0	48,595	0	0	581,902	394,867	780.47
Huntington Beach	20,642	0	165,600	58,942	305,420	270,303	9,560	21,534	14,236	6,032	9,539	40,135	7,699	7,504	562,647	461,872	775.67
Irvine Ranch	36,584	76,400	234,905	317,999	782,844	2,675,629	231,483	46,725	86,893	61,037	55,346	203,014	20,182	0	1,472,812	3,427,648	3,374.41
La Habra	0	0	14,014	1,818	49,691	72,164	0	0	3,003	0	1,504	0	3,791	0	68,212	90,019	121.15
La Palma	0	0	4,884	0	10,257	59,760	0	0	0	0	0	0	0	0	15,141	59,760	53.11
Laguna Beach	4,586	226	13,647	46,850	47,614	0	3,059	0	589	0	0	0	1,217	0	75,670	48,788	100.20
Mesa Water	22,246	0	131,675	33,620	220,815	106,896	4,173	77,033	17,373	77,785	3,023	0	11,259	47,075	416,749	295,334	483.49
Moulton Nigue	14,739	40,741	314,250	1,612,845	889,748	1,059,279	220,749	0	98,271	0	106,574	0	76,819	0	1,661,308	2,840,054	3,389.00
Newport Beach	894	0	33,995	65,277	76,675	375,404	2,924	0	5,938	6,499	0	90,403	1,294	0	127,428	539,929	442.10
Orange	11,244	0	120,093	281,402	289,990	106,487	12,847	2,366	11,956	0	13,645	1,798	2,190	0	488,697	400,776	685.96
San Clemente	18,471	13,908	90,349	1,137	215,249	438,963	4,267	0	33,083	7,098	6,500	0	4,372	3,064	405,483	474,271	641.80
San Juan Capistrano	12,106	0	101,195	32,366	197,290	143,315	2,624	40,748	0	0	0	0	0	0	365,415	347,277	609.46
Santa Margarita	17,778	48,180	211,198	514,198	534,048	550,420	17,010	28,094	62,706	25,000	24,616	23,198	10,483	38,074	883,954	1,217,651	1,551.53
Seal Beach	0	0	15,178	504	17,349	15,911	1,234	0	752	0	0	0	996	0	38,124	16,415	41.40
Serrano	2,971	0	41,247	0	127,877	4,403	5,450	0	555	0	4,000	0	840	0	182,100	4,403	134.48
South Coast	15,162	116,719	84,282	191,853	181,102	128,290	14,967	0	13,319	7,806	7,574	0	756	0	332,641	465,387	641.09
Trabuco Canyon	2,651	0	14,771	0	42,510	88,272	1,465	0	4,788	0	1,536	0	4,752	49,533	69,535	110,712	136.34
Tustin	1,410	0	71,285	14,137	232,697	33,362	11,173	0	16,926	0	13,189	6,894	10,411	6,936	356,660	54,393	287.17
Westminster	0	0	14,040	34,631	71,833	23,902	11,112	0	10,033	0	5,924	0	1,962	0	112,942	58,533	118.59
Yorba Linda	0	0	112,136	12,702	360,279	116,985	19,420	0	9,529	3,696	12,590	12,020	2,773	0	525,303	145,403	476.30
MWDOC Totals	238,978	304,598	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	424,780	264,697	288,590	509,385	172,397	170,790	9,679,083	12,704,756	16,445.98

Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Fullerton	0	9,214	0	0	0	0	0	0	0	0	0	0	0	0	0	9,214	9.03
Santa Ana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Non-MWDOC Totals	0	9,214	0	0	0	0	0	0	0	0	0	0	0	0	0	9,214	9.03

Orange County Totals	238,978	313,812	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	424,780	264,697	288,590	509,385	172,397	170,790	9,679,083	12,713,970	16,455
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[1] Installed device numbers are listed as square feet

HIGH EFFICIENCY TOILETS (HETs) INSTALLED BY AGENCY

through MWD OC and Local Agency Conservation Programs

Agency	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	Total	Cumulative Water Savings across all Fiscal Years
Brea	0	38	146	154	4	6	1	0	0	457	135.98
Buena Park	0	96	153	112	13	3	0	2	0	689	244.67
East Orange CWD RZ	0	13	26	24	0	0	0	2	0	88	27.92
El Toro WD	133	218	869	264	12	6	10	5	0	2,058	699.67
Fountain Valley	0	41	132	220	7	8	1	3	0	835	314.34
Garden Grove	0	63	350	363	7	4	5	3	0	1,496	538.88
Golden State WC	2	142	794	512	9	11	5	7	0	2,813	997.71
Huntington Beach	0	163	1,190	628	4	3	4	2	0	2,910	946.09
Irvine Ranch WD	1,449	810	1,777	2,798	638	239	162	66	0	17,376	6,772.94
Laguna Beach CWD	0	45	112	81	1	4	0	2	0	394	134.95
La Habra	0	37	94	83	5	1	0	0	0	591	241.01
La Palma	0	21	59	52	4	2	4	3	0	231	76.14
Mesa Water	0	147	162	162	7	3	3	15	0	1,639	720.61
Moulton Niguel WD	0	400	2,497	1,939	49	38	21	16	0	5,765	1,591.07
Newport Beach	0	49	168	243	11	6	0	0	0	731	239.39
Orange	1	142	978	416	17	10	5	4	0	2,198	702.74
San Juan Capistrano	0	35	140	202	3	9	4	0	0	536	162.75
San Clemente	0	72	225	246	11	6	10	1	0	889	294.17
Santa Margarita WD	0	528	997	1,152	114	33	11	14	0	3,367	938.17
Seal Beach	2	17	50	69	-1	0	0	0	0	857	458.19
Serrano WD	0	2	40	55	3	0	3	0	0	124	34.09
South Coast WD	64	102	398	235	11	7	0	0	0	1,028	310.30
Trabuco Canyon WD	0	10	108	169	2	3	2	0	0	344	92.74
Tustin	0	64	132	201	12	10	4	7	0	1,527	654.64
Westminster	0	35	161	359	3	4	0	0	0	1,335	517.35
Yorba Linda WD	0	40	280	379	12	8	2	3	0	1,264	442.70
MWD OC Totals	1,651	3,330	12,038	11,118	958	424	257	155	0	51,542	18,289.21

Anaheim	0	156	1,188	614	70	19	5	11	0	5,900	2,444.76
Fullerton	0	61	293	286	14	9	8	7	0	1,079	360.48
Santa Ana	0	33	602	293	20	0	4	7	0	2,032	774.49
Non-MWD OC Totals	0	250	2,083	1,193	104	28	17	25	0	9,011	3,579.73

Orange County Totals	1,651	3,580	14,121	12,311	1,062	452	274	180	0	60,553	21,868.93
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**NOTICE OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
BOARD OF DIRECTORS
MANAGERS UPDATE COVID-19**

May 6, 2020

1:00 p.m.

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Managers Update Covid-19 was called to be held by teleconference on **May 6, 2020 at 1:00 p.m.** **SOCWA staff will be present and conducting the call at the SOCWA** Administrative Office located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via teleconference pursuant to California Governor Executive Order N-29-20.

This meeting is set as a meeting of the SOCWA Agency General Managers and due to the number of Managers on the SOCWA Board it is required to be posted and held as an open and public special meeting of the Board via teleconference.

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO THE AGENDA AS POSTED WITH THIS NOTICE AT THE SOCWA WEBSITE 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.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE AUTHORITY ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS LESS THAN TWENTY-FOUR (24) PRIOR TO THE MEETING, THEY WILL BE DISTRIBUTED 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:

**TELECONFERENCE PHONE NUMBER: 213-279-1455
TELECONFERENCE ID: 763 660 86**

AGENDA

1. Science Update

Amber Baylor, Director of Environmental Compliance

2. WEROC Update

Sean Peacher, Safety Risk Manager

3. Agency Updates

- Preparation
- Operating Status
- Staffing Resources
- Communication
- Expected Changes
- Other

4. Regional Regulatory UPDATE

- State Board Compliance Reporting Directions

5. Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Agency Managers and the SOCWA Board of Directors 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 teleconference meeting at the usual agenda posting location of the South Orange County Wastewater Authority located at 34156 Del Obispo Street Dana Point, California and at www.socwa.com.

Dated this 4th day of May 2020.



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

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

**FINANCE COMMITTEE
TELECONFERENCE MEETING**

**TELECONFERENCE PHONE NUMBER: (213) 279-1455
TELECONFERENCE ID: 849 852 778**

**May 12, 2020
10:30 a.m.**

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee was called by the Chairman to be held by Teleconference on **May 12, 2020 at 10:30 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

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

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

AGENDA

- 1. Call Meeting to Order**
- 2. Pledge of Allegiance**

3. 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.

4. FY 2020/2021 Budget Presentation

Staff will discuss the draft Budget Book and Five-Year Projections.

Recommended Action: Finance Committee Questions and Comments, including questions from information presented at previous Finance Committee Meetings.

5. Budget Schedule

- Remaining Meeting Dates:
- May 19, 2020 – Finance Committee Review
- May 21, 2020 – Board Budget Workshop
- June 4, 2020 – Board Consideration of Budget for Approval

Recommended Action: Information Item.

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 7th day of May 2020.



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

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

**BOARD OF DIRECTORS
BUDGET WORKSHOP**

**TELECONFERENCE PHONE NUMBER: (213) 279-1455
TELECONFERENCE ID: 887 560 672**

**May 21, 2020
8:30 a.m.**

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Budget Workshop was called by the Chairman to be held by Teleconference on **May 21, 2020 at 8:30 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

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

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS BUDGET WORKSHOP IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS BUDGET WORKSHOP ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS 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 BOARD OF DIRECTORS 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. SOCWA Performance Measurement Study Results

Recommended Action: Informational Item; Questions and Discussion

4. Budget Workshop – Review of Proposed SOCWA FY 2020-21 Total Operating Budget

A. Update on Finance Committee Review

B. Budget Overview & Key Assumptions Proposed Budget \$21,721,077

- (i) Operations, Maintenance, including Environmental and Safety
- (ii) Capital Programs (Small Internal and Large Capital), and Engineering
- (iii) Administration
- (iv) General Fund

Recommended Action: Informational Item. Board Questions and Comments.

Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Board of Directors at least 24 hours prior to the scheduled time of the Budget Workshop 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 Board of Directors at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 13th day of May 2020.



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
May 4, 2020, 8:30 a.m.

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

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

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

P&O Committee:

Director McVicker, Chair
Director Dick
Director Yoo Schneider

Staff: R. Hunter, K. Seckel, J. Berg,
H. De La Torre, K. Davanaugh,
V. Osborn

Ex Officio Member: Director Tamaribuchi

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

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

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

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

ACTION ITEMS

1. OC REGIONAL DISTRIBUTION SYSTEM HYDRAULIC MODEL – BUILD & CALIBRATION

DISCUSSION ITEMS

2. ECONOMIC BENEFIT STUDIES TO SUPPORT DECISION-MAKING FOR LOCAL PROJECTS SERVING ORANGE COUNTY
3. UPDATE ON COVID-19 RELATED ITEMS (ORAL REPORT)

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

4. COLORADO RIVER SALINITY ECONOMIC IMPACT MODEL (SEIM) UPDATE
5. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects
6. REVIEW OF ISSUES RELATED TO CONSTRUCTION PROGRAMS, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

ADJOURNMENT

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

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

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Fountain Valley, California
May 6, 2020, 8:30 a.m.

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

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

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

AGENDA

ROLL CALL

PUBLIC PARTICIPATION/COMMENTS

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

NEXT RESOLUTION NO. 2096

ACTION ITEM

1. ELECTION INFORMATION (CANDIDATE'S STATEMENTS)

Recommendation: Review the information presented and decide whether to limit candidate statements to either 200 or 400 words and submit information to the Registrar of Voters, along with a statement that the District will either pay or not pay for the statements.

PRESENTATION/DISCUSSION ITEMS

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

Recommendation: Receive input and discuss the information.

3. METROPOLITAN'S 2020 INTEGRATED RESOURCES PLAN (IRP) DISCUSSION SERIES PART 5 – INTRODUCTION TO SCENARIO PLANNING AND CONTINUED LOCAL POLICY DISCUSSION

Recommendation: Review and discuss the information presented.

4. UPDATE REGARDING MET'S BIENNIAL BUDGET FOR FISCAL YEARS 20/21 AND 21/22

Recommendation: Review and discuss the information presented.

INFORMATION ITEMS

5. WATER SUPPLY CONDITIONS UPDATE

Recommendation: Receive and file the information presented.

6. DELTA CONVEYANCE PROJECT ACTIVITIES UPDATE

Recommendation: Receive and file the information presented.

7. MET ITEMS CRITICAL TO ORANGE COUNTY (The following items are for informational purposes only – a write up on each item is included in the packet. Discussion is not necessary unless requested by a Director)

- a. MET's Water Supply Conditions
- b. MET's Finance and Rate Issues
- c. Colorado River Issues
- d. Bay Delta/State Water Project Issues
- e. MET's Ocean Desalination Policy and Potential Participation in the Doheny and Huntington Beach Ocean (Poseidon) Desalination Projects
- f. South County Projects

Recommendation: Review and discuss the information presented.

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

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

Recommendation: Review and discuss the information presented.

CLOSED SESSION

9. CONFERENCE WITH LEGAL COUNSEL-ANTICIPATED LITIGATION
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section
54956.9: (One case)

ADJOURNMENT

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

MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
May 13, 2020, 8:30 a.m.

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

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

A&F Committee:

Director Thomas, Chair
Director Finnegan
Director Dick

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

Ex Officio Member: Director Tamaribuchi

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

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

PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – April 2020
 - b. Disbursement Approval Report for the month of May 2020
 - c. Disbursement Ratification Report for the month of April 2020
 - d. GM Approved Disbursement Report for the month of April 2020
 - e. Water Use Efficiency Projects Cash Flow – April 30, 2020
 - f. Consolidated Summary of Cash and Investment – March 2020
 - g. OPEB and Pension Trust Fund monthly statement
2. FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the Period ending March 31, 2020
 - b. Quarterly Budget Review

DISCUSSION ITEM

3. DISCUSSION RE POSSIBLE AMENDMENTS TO ADMINISTRATIVE CODE AS RECOMMENDED BY DIRECTOR BARBRE

ACTION ITEM

4. ANNUAL REVIEW OF DISTRICT INVESTMENT POLICY AND GUIDELINES
5. FY 2020-21 FOURTH DRAFT BUDGET – 2ND REVIEW
6. PROPOSED MWDOC WATER RATE RESOLUTION FOR FISCAL YEAR 2020-21
7. ADOPTION OF MWDOC ORDINANCE TO ESTABLISH CLASSES OF WATER SERVICE AND TERMS AND CONDITIONS OF WATER SERVICE WITHIN THE DISTRICT

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.)

8. STATUS UPDATE RE OFFICE CONSTRUCTION/REHAB/SEISMIC RETROFIT
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.

MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
May 18, 2020, 8:30 a.m.

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

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

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

Committee:

Director Yoo Schneider, Chair
Director Barbre
Director McVicker

Staff: R. Hunter, K. Seckel, H. Baez,
D. Micalizzi, T. Dubuque, T. Baca

Ex Officio Member: Director Tamaribuchi

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

PUBLIC PARTICIPATION

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>.

DISCUSSION ITEMS

1. LEGISLATIVE ACTIVITIES
 - a. Federal Legislative Report (Barker)
 - b. State Legislative Report (BBK)
 - c. County Legislative Report (Lewis)

- d. Legal and Regulatory Report (Ackerman)
- e. MWDOC Legislative Matrix
- f. Metropolitan Legislative Matrix

ACTION ITEMS

- 2. TRAVEL TO WASHINGTON, DC TO COVER FEDERAL ADVOCACY ISSUES
- 3. TRAVEL TO SACRAMENTO TO COVER STATE ADVOCACY ISSUES
- 4. RENEWAL OF CONTRACT WITH SOTO RESOURCES FOR GRANT TRACKING AND ACQUISITION SERVICES
- 5. AB 2107 (RODRIGUEZ & GRAY) – LOCAL GOVERNMENTS: SECURITIZED LIMITED OBLIGATION NOTES
- 6. SB 1386 (MOORLACH) – PROTECTING FIRE HYDRANT SYSTEM FUNDING

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

- 7. MWDOC EDUCATION INITIATIVES
- 8. PUBLIC AND GOVERNMENT AFFAIRS ACTIVITIES REPORT

OTHER ITEMS

- 9. REVIEW ISSUES RELATED TO LEGISLATION, OUTREACH, PUBLIC INFORMATION ISSUES, AND MET

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.

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REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Fountain Valley, California
May 20, 2020, 8:30 a.m.

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

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

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

AGENDA

MOMENT OF SILENCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize 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 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. 2096

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. April 1, 2020 Workshop Board Meeting
- b. April 15, 2020 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: March 2, 2020 (Revised)
- b. Planning & Operations Committee Meeting: April 6, 2020
- c. Administration & Finance Committee Meeting: April 8, 2020
- d. Public Affairs & Legislation Committee Meeting: April 20, 2020
- e. Executive Committee Meeting: April 16, 2020

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of April 30, 2020
- b. MWDOC Disbursement Registers (April/May)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of March 31, 2020
- d. PARS Monthly Statement (OPEB Trust)
- e. Water Use Efficiency Projects Cash Flow

Recommendation: Receive and file as presented.

4. FINANCIAL REPORT

- a. Combined Financial Statements and Budget Comparative for the Period ending March 31, 2020
- b. Quarterly Budget Review

Recommendation: Receive and file as presented.

5. TRAVEL TO WASHINGTON, DC TO COVER FEDERAL ADVOCACY INITIATIVES

Recommendation: Ratify the expenses as reported.

6. TRAVEL TO SACRAMENTO TO COVER STATE ADVOCACY INITIATIVES

Recommendation: Ratify the expenses as reported.

7. ANNUAL REVIEW AND UPDATES TO THE INVESTMENT POLICY AND GUIDELINES

Recommendation: Reaffirm the District's Investment Policy and Guidelines as adopted on May 15, 2019 (no changes).

8. ADOPT AMENDMENTS TO ADMINISTRATIVE CODE SECTION 1307 REGARDING THE POWERS AND DUTIES OF THE GENERAL MANAGER AS RECOMMENDED BY DIRECTOR BARBRE

Recommendation: Adopt Amendments to Administrative Code Section 1307 (deletion of Section 1307(a)(8) and re-numbering of Section 1307(a)(9)).

End Consent Calendar

ACTION ITEMS

9-1 ADOPTION OF FY 2020-21 FIFTH DRAFT BUDGET RES. NO. _____

Recommendation: Review and discuss the fifth draft budget as amended by the Administration & Finance Committee and adopt a Resolution approving the final MWDOC budget for fiscal year 2020-21. Attached is the fifth draft budget which includes changes recommended by the Administration & Finance (A&F) Committee.

9-2 PROPOSED MWDOC WATER RATE RESOLUTION FOR FISCAL YEAR 2020-21 RES. NO. _____

Recommendation: (1) Decrease the MWDOC Retail Meter Charge from \$12.40 to \$12.15 per meter, and decrease the Groundwater Customer Charge from \$598,248 to \$573,102, effective July 1, 2020; and (2) Adopt the Water Rate Resolution setting forth rates and charges to be effective July 1, 2020 and January 1, 2021 as identified in the Water Rate Resolution for Fiscal Year 2020-21.

9-3 ADOPTION OF MWDOC ORDINANCE TO ESTABLISH CLASSES OF WATER SERVICE AND TERMS AND CONDITIONS OF WATER SERVICE WITHIN THE DISTRICT ORD. NO. 54

Recommendation: Adopt Ordinance No. 54 to Establish Classes of Water Service, Terms, and Conditions of Water Service within the District. (MWDOC Administrative Code Section 1117 states that MWDOC shall provide at least ten days written notice that the Board will consider the adoption of a water service Ordinance and/or rates Resolution. Staff has met this requirement by emailing the Board letter and proposed Ordinance and Resolution to the member agencies on May 7, 2020).

9-4 OC REGIONAL DISTRIBUTION SYSTEM HYDRAULIC MODEL – BUILD & CALIBRATION

Recommendation: Authorize the General Manager to enter into a professional services agreement with Black & Veatch to build and calibrate an OC regional distribution system hydraulic model based upon the findings of the Orange County Regional Distribution System Hydraulic Model Investigation Report at a cost of \$188,520 plus a 10% contingency for a total not to exceed cost of \$207,372.

(Although the P&O Committee recommended this item WITHOUT a cost recovery aspect (Option 1 outlined), subsequent discussions with the A&F Committee suggested this be adopted WITH a cost recovery aspect (Option 2); staff is now recommending Option 2; the Board will vote on whether this will be adopted WITH a cost recovery aspect, or WITHOUT a cost recovery aspect.)

9-5 RENEWAL OF CONTRACT WITH SOTO RESOURCES FOR GRANT TRACKING AND ACQUISITION SERVICES

Recommendation: Authorize the General Manager to renew professional services contract with Soto Resources to provide grant tracking, writing (upon request) and acquisition. The contract renewal would be not to exceed \$39,000 per year in fiscal years 2020-2021, 2021-2022, and 2022-2023; total authorization of this contract is \$117,000 over three years.

9-6 AB 2107 (RODRIGUEZ & GRAY) – LOCAL GOVERNMENTS: SECURITIZED LIMITED OBLIGATION NOTES

Recommendation: Adopt a support position on AB 2107 (Rodriguez & Gray), and send a letter in support to the author and the California Special Districts Association (CSDA).

9-7 SB 1386 (MOORLACH) – PROTECTING FIRE HYDRANT SYSTEM FUNDING

Recommendation: Adopt a support position on SB 1386 (Moorlach), and join the sponsors' coalition letter.

9-8 POTENTIAL ACTION REGARDING THE REPLACEMENT OF MWDOC AND METROPOLITAN DIRECTOR

Recommendation: This item will be presented to the Public Affairs & Legislation Committee on May 18, 2020, who will then make a recommendation to the Board.

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

10. GENERAL MANAGER'S REPORT, APRIL 2020 (ORAL AND WRITTEN)

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

11. MWDOC GENERAL INFORMATION ITEMS

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

Recommendation: Receive and file as presented.

ADJOURNMENT

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

GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES MAY 2020

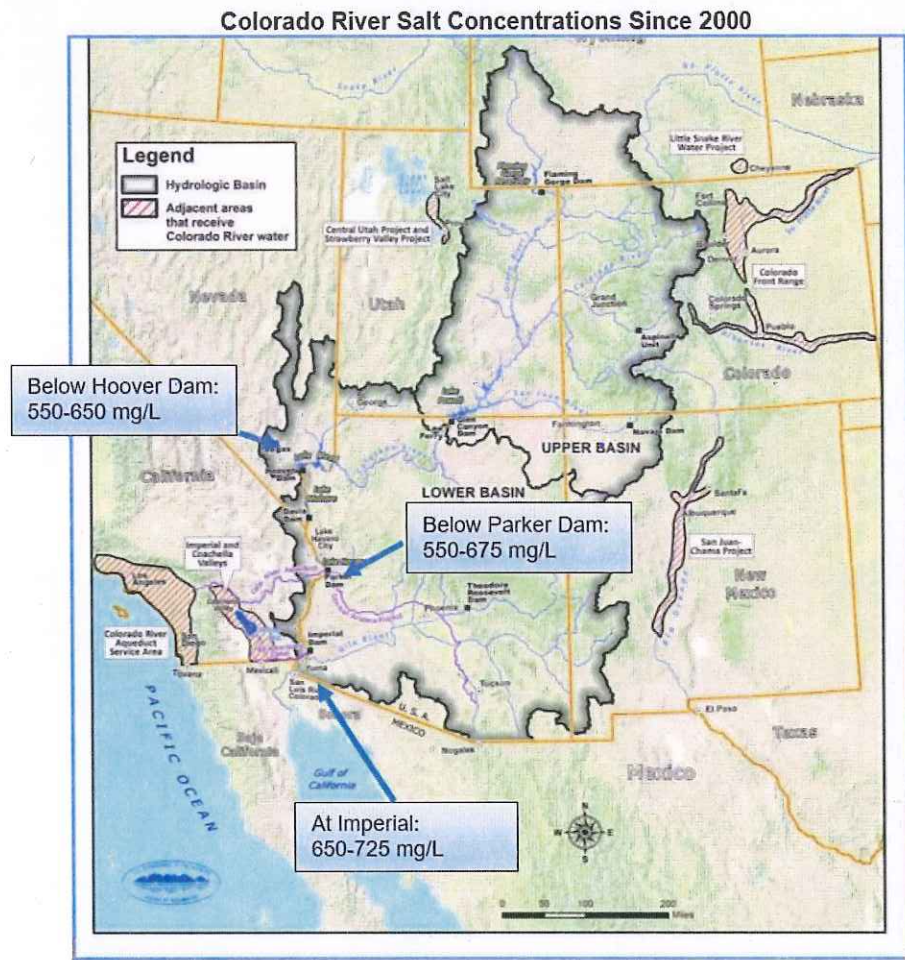
MWDOC Agencies Managers Meeting	<p>MWDOC held its Member Agency Managers' via Zoom Meeting Thursday, March 19, 2020 from 10:30 a.m. to 12:00 p.m.</p> <p>Attendance: R. Correa – Brea, L. Ohlund – EOCWD, D. Cafferty – ETWD, M. Dunbar – Emerald Bay WD, M. Sprague – Fountain Valley, C. Pasillas – Garden Grove, K. Vecchiarelli – Golden State WD, B. Ragland – Huntington Beach, P. Cook & P. Weghorst – IRWD, C. Regan & D. Youngblood – Laguna Beach CWD, J. Chavira – La Palma, P. Shoenberger – Mesa Water, J. Lopez, D. Atwater, & M. Collings – Moulton Niguel WD, M. Markus, J. Kennedy & A. Hutchinson – OCWD, J. Diaz – Orange, D. Rebensdorf – San Clemente, D. Ferons, D. Bunts & R. Grantham – SMWD, J. Vilander – Serrano WD, J. McDivitt, R. Shintaku, M. Serna – South Coast WD, F. Paludi – TCWD, M. Grisso – Tustin, S. Miller – Westminster, R. Weston – Yorba Linda WD</p> <p>MWDOC Staff: R. Hunter, K. Seckel, H. De La Torre, J. Berg, K. Hostert, M. Baum-Haley, C. Lingad, V. Osborn, H. Baez, D. Micalizzi, D. Harrison</p> <p>Opportunity to add and discuss items not already listed.</p> <p>Information Items:</p> <ul style="list-style-type: none"> • Metropolitan Budget • MWDOC Budget • Economic Benefit Studies to Support Decision-Making for Local Projects Serving Orange County • Proposed MWDOC Water Rate Resolution for FY 2020-21 & update to MWDOC Ordinance <p>Legislative Items:</p> <ul style="list-style-type: none"> • Outreach Alert from CSDA to expand the COVID-19 Relief Funds eligibility • Outreach Alert from ACWA to include local governments in the Payroll Tax Credit <p>Next meeting <u>tentatively</u> scheduled for May 21, 2020.</p>
Meetings	<ul style="list-style-type: none"> ➤ Karl Seckel, Charles Busslinger, and Chris Lingad participated in a conference call on April 2, 2020 with MET and Golden State Water Company to discuss the details of the proposed Second Lower Feeder Shutdown in summer 2020. ➤ Charles Busslinger, Cathy Harris, & Chris Lingad participated in a Zoom meeting on April 15, 2020 with consultants from ABS and IDS regarding a value

Meeting – continued	<p>engineering review of the Admin building seismic retrofit and remodel. The review has been completed as we await the City's third Plan Review comments.</p> <ul style="list-style-type: none"> ➤ Karl Seckel, Charles Busslinger, and Chris Lingad participated in a conference call on April 20, 2020 with SCWD to discuss the details of their CM-10 rehabilitation project to avoid a concurrent shutdown with the AMP. ➤ Charles Busslinger and Chris Lingad participated in a conference call on April 21, 2020 with MWDOC owner's representative ABS Consulting to discuss the preparation of bid documents for the admin building rehab. ➤ Karl Seckel and Charles Busslinger participated in a call with MET staff responsible for operating and maintaining the EOCWD OC-70 facility to engage MET on rehabilitation and repairs needed on the pumps. EOCWD GM Lisa Ohlund and her staff participated in the discussion. MET also seemed open to discussions to transfer the facility from MET ownership to EOCWD ownership.
<h2 style="margin: 0;">MET ITEMS CRITICAL TO ORANGE COUNTY</h2>	
Colorado River Salinity Economic Impact Model (SEIM) Update	<p><u>Colorado River Salinity Economic Impact Model (SEIM) Update</u></p> <p>At the May 4 Planning and Operations Committee, MWDOC staff reported on current efforts to update salinity damage cost estimates stemming from Colorado River water to the Lower Colorado River Basin (LCRB) and the Metropolitan Water District of Southern California (MET) service area. The Salinity Economic Impact Model (SEIM) estimates the annual quantified costs incurred from increased salinity in metropolitan and agricultural areas in the LCRB and MET service area. The SEIM is currently undergoing an update. The update is ongoing and new information will be forwarded to the Board once the update is completed.</p> <p>A draft Technical Memorandum (TM) and the updated model were released for review and comments on April 6, 2020. Through MET; MWDOC staff and some of its member agencies that have previously expressed interest in obtaining updated salinity damage cost estimates, have had an opportunity to comment on the TM and the model. The comments are now under review by the SEIM Study Team for additional changes to the model. Some of the changes to the model; most notably changes to the salinity damage threshold for alfalfa hay from TDS of 500 mg/L to 1,066 mg/L, and increases to the useful life for several residential appliances, are under review as they have resulted in decreases to the total salinity damage cost calculations.</p> <p>Background</p> <p>The U.S. Bureau of Reclamation administers the Salinity Economic Impact Model (SEIM). The Colorado River Basin Salinity Control Forum (Forum)¹ uses the model</p>

¹ Created in 1973, the Colorado River Basin Salinity Control Forum (Forum) is an organization of the seven Colorado River Basin states of Arizona, California, Colorado, Nevada, New Mexico, Utah and Wyoming. The purposes of the Forum are to coordinate salinity control efforts among the states, coordinate with federal agencies on the implementation of the Colorado River Basin Salinity Control Program (Program), work with

Colorado River Salinity Economic Impact Model (SEIM) Update - continued

to evaluate the potential economic benefits of lowering salinity concentrations in the future and the economic costs averted by the current Colorado River Basin Salinity Control Program (Program) controls. The SEIM uses three Colorado River diversion points at Hoover Dam, Parker Dam, and Imperial Dam to estimate salinity damages based on modeled salinity concentrations. Those concentrations are measured as total dissolved solids (TDS) (mg/L). The SEIM model runs on a collection of integrated Microsoft Excel spreadsheets (a.k.a. Excel workbook).



The SEIM is the current version of a salinity model that was originally developed in the late 1980s. The SEIM estimates economic costs attributed to salinity levels greater than a baseline value of 500 mg/L² of total dissolved solids (TDS) on:

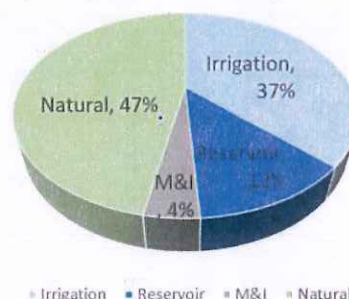
- Household water-using appliances,
- Treatment and infrastructure replacement costs in the commercial, industrial and water utilities sectors, and
- Income losses to agriculture.

Congress on the authorization and funding of the Program, act to disseminate information on salinity control and otherwise promote efforts to reduce the salt loading to the Colorado River.

² U.S. EPA's secondary drinking water quality standard

**Colorado
River
Salinity
Economic
Impact
Model
(SEIM)
Update -
continued**

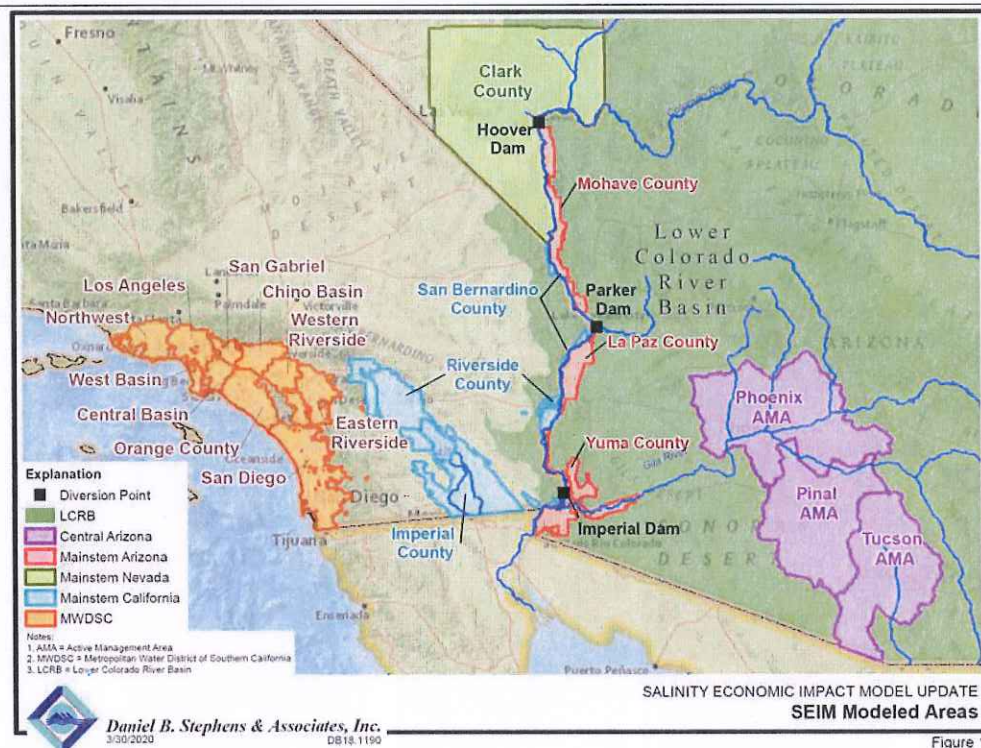
Colorado River Sources of Salinity
(from 1971 EPA Study)



The SEIM also estimates the additional costs related to meeting California water quality standards for groundwater and recycled and publicly owned treatment works (POTW) water use in the MET service area. The model does not calculate an absolute value of the economic costs due to salinity. The model estimates salinity costs from a baseline condition and then calculates the change in economic costs when salinity rises or declines in the Colorado River water used in the LCRB and the MET service area.

Economic Sector	Impact Category Items
Residential	Water Pipes, Water Heater, Faucet, Garbage Disposal, Clothes Washer, Dishwasher, Water Softener, Detergent
Commercial	Sanitary, Cooling, Irrigation, Kitchen, Laundry, Misc.
Industrial	Process Water, Cooling Tower, Boiler, Sanitation, Irrigation
Water Utilities	Treatment Plant, Distribution System
Groundwater	Direct Recharge, Indirect Recharge, Incidental Recharge
Recycled Water & POTW	Irrigation, Direct Groundwater Recharge, Indirect Groundwater Recharge
Agriculture	MWD Subareas Crops: Strawberry, Nursery, Cut Flowers, Misc. Vegetable, Citrus, Avocado, Vineyard, Pasture/grain, Deciduous, Field Crops
	All Other Subareas Crops: Head Lettuce, Leaf Lettuce, Romaine Lettuce, Broccoli, Cauliflower, Alfalfa Hay, Onions, Avocados, Cantaloupe, Carrots, Oranges, Tangerines, Lemon/Limes, Grapefruit, Table Grapes, Potatoes, Corn, Wheat, Cotton, Barley, Olives, Honeydews, Tomatoes, Leaching Management Costs

**Colorado River
Salinity
Economic
Impact
Model
(SEIM)
Update –
continued**



Model Updates

Variable Baseline - The costs estimated by previous versions of the SEIM for changes in Colorado River salinity levels were based on the change in economic costs from a 500 mg/L baseline condition and the projected elevated salinity concentrations from the Colorado River Simulation System (CRSS) long term planning model which incorporates current and future salinity control projects (mainly in the Upper Colorado River Basin).

The model's baseline value has now been modified to allow for analysis of TDS baselines below 500 mg/L. This opens the opportunity for additional analyses, including analyzing individual project salinity benefits on blended TDS levels for Orange County. The current model documentation lacks the necessary details that would allow for such analyses. An upcoming training session in May 2020 will provide additional guidance on how these analyses can be completed using the SEIM.

Updated Costs - Prices and cost values in the 2020 SEIM have been updated to 2018-dollar values.

Useful Life of Residential Appliances - Most SEIM estimates of residential salinity costs are based on the reduced useful life of water using appliances and fixtures from increased average annual salinity. The calculated useful life of several water-using residential appliances have been increased based upon research from a 1993 review of a previous version of the model. The increased useful life is resulting in a lowering of total salinity damage costs. This modification is under review.

**Colorado
River
Salinity
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Model
(SEIM)
Update -
continued**

Salinity Impact Threshold for Agricultural Crops - The threshold for when salinity causes impacts to alfalfa crops has been raised from 500 mg/L to 1,066 mg/L based upon some research that demonstrates that alfalfa is more tolerant to salinity than previously thought. This change has resulted in a decrease in salinity damage costs. These findings are also under review.

Preliminary Findings

Note: These findings are currently under review and will likely change

Comparison of Current Version of the SEIM to the Previous Version of the SEIM

Projected Salinity Costs in 2035

(Note: The numbers below are based on 2014 dollars to allow for a comparison between the new version of the model and the previous version of the model.)

Area and Subarea	Total		
	Previous Version of SEIM	2020 Version of SEIM	Difference
Central Arizona			
Phoenix AMA	\$24,466,430	\$23,565,074	-\$901,356
Pinal AMA	\$2,796,916	\$1,102,189	-\$1,694,727
Tucson AMA	\$4,371,303	\$4,215,886	-\$155,417
Mainstem Arizona			
Mohave Co	\$2,797,480	\$1,816,090	-\$981,391
La Paz, Co	\$9,421,600	\$1,553,955	-\$7,867,645
Yuma Co	\$74,294,337	\$61,403,028	-\$12,891,309
Mainstem Nevada			
Clark County	\$53,785,756	\$25,315,679	-\$28,470,077
Mainstem California			
Imperial Co	\$171,247,080	\$73,929,010	-\$97,318,070
San Bernardino Co	\$9,536,330	\$5,251,197	-\$4,285,133
Riverside Co	\$22,556,267	\$34,153,004	\$11,596,738
MWDSC	\$121,531,409	\$112,945,023	-\$8,586,386
Total	\$496,804,907	\$345,250,135	-
			\$151,554,772
			-30.5%

Compared to the previous version of the model, the percentage of damages by sector in the 2020 SEIM (new version of the model) generally remained consistent. In the 2020 SEIM, the Agricultural, Residential, and Commercial sectors account for 86% of the damages (compared to 88% in the previous version of the model). The overall costs in the 2020 SEIM decreased by 30% compared to the previous version.

- Residential costs decreased in the 2020 SEIM by \$17 million (11% of the total reduction in cost). Factors such as the cost of appliance either stayed the same or increased, however the useful life for several residential appliances increased due to a change in useful life TDS functions.
- Agricultural costs decreased in the 2020 SEIM by \$117 million (77% of the total reduction in costs). The primary cause for the decrease in cost is a change in the salinity threshold for alfalfa hay from 500 mg/L to 1,066 mg/L.

**Colorado
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Economic
Impact
Model
(SEIM)
Update –
continued**

- The overall commercial costs decreased in the 2020 SEIM by \$7 million (4.7% of the total reduction in costs). However commercial costs increased for all areas except Mainstem Nevada and Mainstem California primarily because the price per category (\$/AF) increased for all commercial categories.
- The overall industrial costs increased by \$4.5 million is primarily due to an increase price per category (\$/AF). All categories, except Sanitation and Irrigation, increased in price per acre-foot.

Percentage of Total Cost Incurred Between Sectors

2020 SEIM		Previous Version of the SEIM	
Agricultural	51%	Agricultural	59%
Residential	25%	Residential	21%
Commercial	9.8%	Commercial	8.0%
Industrial	3.7%	Industrial	32.0%
Utilities	0.3%	Utilities	3.0%
Groundwater	5.2%	Groundwater	5.0%
Recycled Water	5.0%	Recycled Water	2.0%

MWDOC and MWDOC Member Agency Comments:

The following comments on the SEIM were passed on to the U.S. Bureau of Reclamation through MET:

General Comments from the Municipal Water District of Orange County:

- In general, Metropolitan needs to drill down; either through member agencies or through a workshop with agencies on what agencies see as important. The majority of the report is interesting and has good information, but it is not relevant to the Metropolitan service area.
- The report should include a table listing the specific assumptions in the model as compared with the 1999 model. What were the major differences? In addition, are there ranges on the dollar impacts instead of just averages?
- Will the model enable determination of economic benefits of a lower TDS standard? 500 mg/L is the current secondary limit and the model evaluates impacts from this baseline. However, can the model can also be used with a starting TDS of say 250 mg/L and look at impacts above this amount? This would allow agencies to determine if there is a benefit to a lower TDS and if projects are warranted.
- The weighted TDS in the Metropolitan service area should be able to be broken up to better reflect the quality of water delivered between 100% State and 100% Colorado and cost impacts.
- The spreadsheet and the write up explanation in the report are somewhat confusing. The initial spreadsheet values when first opening the model are very high, and once the Initialize Damage Year button is clicked on the Summary Results tab the damages drop dramatically. This gives an impression that something is not calculating correctly.
- The spreadsheet results do not mirror the write up example in Section 3.3 Model Results.

Colorado River Salinity Economic Impact Model (SEIM) Update - continued	There appears to be a mismatch between the unit cost of water heaters and the associated life expectancy used in the model. It appears from the Appendix that the unit price is an overall average price of water heaters with levels of warranties varying from 6 to 12 years; however, the Life Expectancy for water heaters stated in the model is 12 years. The current Home Depot water heater unit price (without tax and installation) for a 12 year warrantied 40-gallon gas water heater is at minimum \$700 (much higher than the unit price used in the model). Either the life expectancy or the unit price needs adjusting in the model to match. The 'grey literature' available on the web indicates that water heater warranties are a good indicator of likely unit life expectancies.
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ENGINEERING & PLANNING

Doheny Ocean Desalination Project	<p>South Coast WD continues working on the project. South Coast WD has submitted their NPDES permit application on March 13, 2020 with an estimated six-month review time by the Regional Board.</p> <p>Work is progressing on the Financial Analysis for a 2 mgd and 5 mgd scenario. The Study is anticipated to be complete by mid-May.</p> <p><u>Next Steps by South Coast WD:</u></p> <ol style="list-style-type: none"> 1. Look for partners 2. High Level Schedule (has slipped a bit due to the Regional Board schedule) <ol style="list-style-type: none"> a. Environmental permitting Late Summer 2020 b. DBOM Contract Develop Early 2020 c. DBOM Contract Award Early 2021 d. Construction Completion Early 2023
SMWD San Juan Watershed Project	<p>Santa Margarita WD continues to focus on diversifying its water supply portfolio for south Orange County residents, businesses, schools, and visitors. On June 21, 2019, the San Juan Watershed Environmental Impact Report (EIR) was approved.</p> <p>The original project had three Phases; Phase 1 was three rubber dams recovering about 700 AFY; Phase 2 added up to 8 more rubber dams with the introduction of recycled water into the creek to improve replenishment of the basin for up to 6,120 AFY, and Phase 3 added more recycled water topping out at approximately 9,480 AFY. Under this arrangement, most or all of the production and treatment involved the existing San Juan Groundwater Desalter with expansions scheduled along the way to increase production over 5 mgd. Fish passage and regulatory hurdles to satisfy subsurface travel time requirements are presenting some difficulties.</p> <p>SMWD is working with the Ranch on the next phase of development within SMWD and have access to riparian groundwater from the Ranch. Furthermore, they have discovered that the local geology has high vertical percolation rates and sufficient groundwater basin travel time to potentially allow percolation of treated recycled water with an ability to meet the required travel time. SMWD is of opinion that groundwater production and treatment of the groundwater can be initiated in a relatively short time-frame while permitting for percolation augmentation using recycled water from the nearby Trampas reservoir can be added as permitting allows.</p>

SMWD San Juan Watershed Project - continued	They believe the new project area may be able to ultimately produce 4,000 to 5,000 AF per year; they believe the original project will continue to be developed for production out of the wells and treatment provided by San Juan Capistrano as the two agencies merge. Ultimate production out of the basin could exceed 10,000 AF per year if all goes well.
Local Supply Integration	On April 18, 2020, the MWDOC Board concurred with the staff recommendation to proceed with the issuance of an RFP to build and calibrate an OC regional distribution system hydraulic model. On March 19, 2020 MWDOC staff issued a Request for Proposals (RFP) for professional services to develop an OC Distribution System Water Supply Integration Hydraulic Model to preselected firms with demonstrated requisite expertise. MWDOC staff have reviewed and evaluated the proposals and are providing its recommendations to the P&O Committee for review and discussion in time for Board consideration on May 20, 2020.
South Orange County Emergency Service Program	<p>MWDOC, IRWD, and Dudek have completed the study to determine if the existing IRWD South Orange County Interconnection capacity for providing emergency water to South Orange County can be expanded and/or extended beyond its current time horizon of 2030.</p> <p>Dudek participated in the November 6th SOC workshop to re-engage with the SOC agencies on this project. Support from the agencies was expressed to take a small next step to install Variable Frequency Drives at a pump station within IRWD. This would be paid for by SOC to help move water from the IRWD system to SOC in an emergency. The Variable Frequency Drives will provide more flexibility to the IRWD operations staff to allow additional water to be sent to SOC while meeting all of the IRWD needs.</p>
Strand Ranch Project	A meeting was held on February 14, 2020 between MWDOC, MET, and IRWD to further exchange ideas on how to implement the program to capture the benefits that can be provided by the development of "extraordinary supplies" from the Strand Ranch Project. Based on the meeting, staff from MWDOC and IRWD will need to continue to discuss methods of quantifying the benefits of the program.
Poseidon Resources Huntington Beach Ocean Desalination Project	<p>The Santa Ana Regional Water Quality Control Board (SARWQCB) continues to work with Poseidon on renewal of the National Pollutant Discharge Elimination System (NPDES) Permit for the proposed HB Desalination Project.</p> <p>The renewal of the NPDES permit for the proposed desalination facility requires a California Water Code section 13142.5(b) determination in accordance with the State's Ocean Plan (a.k.a. the Desalination Amendment). To make a consistent determination with the Desalination Amendment, the Regional Board is required to analyze the project using a two-step process:</p> <ol style="list-style-type: none"> 1. Analyze separately as independent considerations, a range of feasible alternatives for the best available alternative to minimize intake and mortality of all forms of marine life: <ol style="list-style-type: none"> a. Site b. Design c. Technology

Poseidon Resources Huntington Beach Ocean Desalination Project - continued	<p>d. Mitigation Measures</p> <p>2. Then consider all four factors collectively and determine the best combination of feasible alternatives.</p> <p>Regional Board staff reviewed hundreds of documents and input from both an independent reviewer and a neutral 3rd party reviewer to develop Tentative Order R8-2020-0005.</p> <p>The key areas required by the Ocean Plan on which the Santa Ana Water Board is required to make a determination, includes:</p> <ul style="list-style-type: none"> • Facility onshore location; • Intake considerations including subsurface and surface intake systems; • Identified need for the desalinated water; • Concentrated brine discharge considerations; • Calculation of the marine life impacts; and • Determination of the best feasible mitigation project available. <p>In evaluating the proposed project, Santa Ana Regional Board staff interpreted “the identified need for the desalinated water” as whether or not the project is included in local area water planning documents, rather than a reliability need as analyzed in the OC Water Reliability Study. The Regional Board staff referenced several water planning documents; Municipal Water District of Orange County’s (MWDOC) 2015 Urban Water Management Plan (UWMP), the OC Water Reliability Study, OCWD’s Long Term Facilities Plan, and other OCWD planning documents in their evaluation of Identified Need.</p> <p>On December 6, 2019, SARWQCB, Regional Board staff conducted a workshop in Huntington Beach that was heavily attended with a considerable range of views expressed at the meeting. Several of the SARWQCB members were somewhat confused about the evaluation of “Identified Need” for the project (inclusion in local water planning documents vs. an identified reliability need for the project) and requested staff to help them understand the issue better.</p> <p>The SARWQCB scheduled a Special Board Meeting for a Poseidon Workshop on April 3, 2020. The special meeting was postponed and has been rescheduled for May 15, 2020 via video and teleconference. The next SARWQCB Regular Board Meeting was held on May 8, 2020 via video and teleconference.</p> <p>Assuming success, Poseidon would then seek its final permits from the California Coastal Commission (CCC). The CCC has committed to reviewing the permit within 90 days of the SARWQCB NPDES permit issuance.</p>
Trampas Canyon Dam and Reservoir	<p>Trampas Canyon Reservoir and Dam (Trampas Reservoir) is a seasonal recycled water storage reservoir, with a total capacity of 5,000 AF, of which 2,500 AF is available to meet Santa Margarita Water District’s projected base recycled water demands, and 2,500 AF to meet future water supply needs. When completed, the Trampas Reservoir will allow SMWD to store recycled water in the winter and draw on that water during the peak summer months.</p>

Trampas Canyon Dam and Reservoir - continued	<p>The construction of the Trampas Canyon Recycled Water Seasonal Storage Reservoir consists of three main components:</p> <ol style="list-style-type: none"> 1. Trampas Canyon Dam (Dam) 2. Conveyance facilities to transport recycled water into and out of the Reservoir (Pipelines) 3. Trampas Canyon Pump Station (Pump Station) <p>The construction of the facilities is being completed in three phases:</p> <ol style="list-style-type: none"> 1. Preconstruction/Site Preparation for the Dam and Pump Station Construction <ol style="list-style-type: none"> a. Project Status - Complete 2. Dam and Pipelines <ol style="list-style-type: none"> a. Project Status - The Construction Contract was awarded in December 2017 and is approximately 83% complete. 3. Pump Station <ol style="list-style-type: none"> a. Project Status - The pump station construction began in January and will continue thru August. <p>The project is currently projected to conclude at or before mid-September 2020.</p>
AMP Shutdown in Early 2021 to Replace PCCP Sections	<p>MWDOC staff was notified that the recent internal inspection of the AMP, which included electromagnetic surveys of the pipeline revealed two pipe segments with increased wire breaks within the PCCP portion South of OC-70. Metropolitan Engineering considers this section of the pipeline high-risk, which will require relining. They are proposing to reline this section of the pipe in early 2021. The minimum relining length needed would be approximately 1,000 feet, which would require a minimum 1-month shutdown only South of OC-70. A longer shutdown duration would allow Metropolitan to reline approximately 3,300 feet, which would reduce the number of shutdowns needed for future relining of the entire PCCP portion of the AMP and would reduce the overall construction and shutdown costs. MET had originally scheduled the AMP PCCP relining to begin in 5 years, but based on the survey, the relining of this initial section has been accelerated.</p> <p>Staff is currently working with affected agencies and will keep both the Board and the AMP participants informed as more information becomes available.</p>
Other Shutdowns	<p>MET is planning a relining of the Orange County Feeder from Bristol Ave to Corona Del Mar – this is the last section of this pipeline to be lined.</p> <p>MET has also proposed a summer 2020 shutdown of the Second Lower Feeder just below the Diemer Treatment Plan. This is because a recent pipeline survey identified increased wire breaks in the PCCP sections that require an accelerated replacement schedule. The shutdown is estimated to take 60 days and will impact Golden State Water Company's service connection OC-56. MWDOC and GSWC have been coordinating with MET on this proposed shutdown.</p> <p>SCWD is planning a rehabilitation project for their CM-10 service connection in early 2021. We are coordinating with MET and SCWD so the above referenced AMP shutdown and this project do not overlap.</p>

EMERGENCY PREPAREDNESS

COVID 10 (Corona Virus) Coordination

- On-going information is being shared with WEROC Member Agencies Point of Contacts as it becomes available.
- WEROC is conducting bi-weekly conference calls with agencies for information sharing and continuity planning for phased resumption of business practices.
- WEROC is coordinating logistics and supporting agencies with resource requests.
- WEROC is coordinating resource requests received from the county. Examples: coordination of FEMA water trailers to support a County run homeless shelter operation in Trabuco Canyon was completed and released back to El Toro Water District.
- All water and wastewater agencies are maintaining alternative work schedules or processes to protect critical and essential functions.
- WEROC is in constant contact with County Emergency Operations Center and the Orange County Health Care Agency.
- There are no changes to water and wastewater treatment and disinfections. WEROC is monitoring the CDC and WHO for updates.
- Information shared with all agencies on reconnections and water quality concerns posted by Department of Water Resources and CDC.
- WEROC is supporting agencies with recovery questions and cost tracking in relation to State and FEMA public assistance grant programs.
- Email sent to the County as requested by agency managers to be included in the recovery and resumption of services.
- WEROC sent a survey to all agencies on 4/6 regarding assessing the community needs, and impacts to billing and revenue.
- Agencies are tracking Revenue Loss based on non-payment, use demand, and property tax impacts. Member agencies were briefed on the Federal Cares Act and its purpose. This consists of 18 parts and the funding is directed to programs such as healthcare and not revenue loss.

WEROC Program Assessment

- Vicki continues to work on the WEROC program assessment as the new Director and is developing a strategic plan for the organization.
- A written review was to be completed in April. Due to the current COVID-19 situation, Vicki is assessing processes and policies during this event to include in this review. This provided a prime opportunity to analyze what is in place and what agencies require for the future.

America's Water Infrastructure Act (AWIA)

- WEROC and its consultant, Herndon Solutions Group (HSG) are continuing to work with the WEROC agencies to achieve compliance with America's Water Infrastructure Act (AWIA).
- All Tier I agencies met their March 31 self-reporting compliance deadline to the Environmental Protection Agency (EPA) which has not been extended due to the current COVID-19 Pandemic as the Risk and

America's Water Infrastructure Act (AWIA) - continued	<p>Resilience Assessment documents were delivered to agencies via workshops over the first two weeks of March.</p> <ul style="list-style-type: none"> • We are currently working on virtual plans to move forward with Phase III, the Emergency Response Plans, which are due 6 months later in September 2020. • Virtual solutions are in progress for Tier II Agencies (RRA Due December 2020) a majority of the Phase II workshops scheduled for March and April were cancelled. These meetings will be virtual and will resume in May. • The AWIA Scope of work has been modified to reflect the changes to the project.
Public Safety Power Shutoff (PSPS) and CA Public Utilities Commission Hearings	<ul style="list-style-type: none"> • Ongoing California Public Utilities Commission (CPUC) proceedings regarding the Impacts from De-Energization with a Focus on First Responders and Local Government. MWDOC has received party status to these proceedings. Party Status is intended to ensure that we receive all communications regarding the proceedings and that our comments are included officially for consideration. Due to the COVID19 Pandemic, the legislation and CPUC hearings have been reduced, but as of the last week of April, hearings and public notifications are beginning again. WEROC is monitoring this and will work with Government Affairs on any items pertaining to water and wastewater agencies.
Coordination with County of Orange and Outside Agencies	<ul style="list-style-type: none"> • WEROC continues to support California Water/Wastewater Agency Response Network (CalWarn). There has been 12 new members added since March 26. • WEROC has agreed to be a distribution point in collaboration with CalWarn to distribute face coverings to member agencies within Orange County. This should occur the first week of May.
Training and Exercises	<ul style="list-style-type: none"> • All of Basic SEMS and NIMS courses were approved by the state. Vicki is working on offering this training virtually to members in May and June. • Communication tests conducted in conjunction with the County 800 MHz system has been cancelled for April and May. Member agencies can still reach out to WEROC if they want to test their systems during this time.
<h2 style="margin: 0;">WATER USE EFFICIENCY</h2>	
Alliance for Water Efficiency (AWE) Research Committee Meeting	<p>On April 8, Rachel Waite participated in the AWE Research Committee meeting. Topics discussed included:</p> <ul style="list-style-type: none"> • Research Committee Activity • Member Research Interests and Ideas <ul style="list-style-type: none"> ○ Efficiency of National Standards ○ Customer Satisfaction Surveys on Efficiency Fixtures • Tracking Tool Update

Alliance for Water Efficiency (AWE) Research Committee Meeting - continued	<ul style="list-style-type: none"> • AWE Updates <ul style="list-style-type: none"> ○ Cooling Technology Project ○ Water Affordability Project • Sun Kim of the Gates Foundation Talk on Research <p>The next meeting is scheduled for June 10th.</p>
Orange County Data Acquisition Partnership (OCDAP) and Working Group Meetings	<p>On April 9, April 22, May 4, and May 11, Rachel W. and Steve Hedges participated in OCDAP working group meetings to discuss the acquisition of high-quality aerial imagery for Orange County. The working group consists of eight agencies: Southern California Association of Governments (SCAG); Center for Demographic Research (CDR); Orange County Council of Governments (OCCOG); Orange County Water District (OCWD); Orange County Fire Authority (OCFA); Santa Ana Watershed Project Authority (SAWPA); City of Yorba Linda, and MWDOC. Topics discussed included the effort's progress and next steps, along with the anticipated timeline.</p> <p>The next meeting is scheduled for June 8th.</p>
City of Seal Beach Leak Detection Survey Wrap-Up Meeting	<p>On April 8, Joe Berg, Rachel Davis, and Jason Thorsell met via Zoom with staff from the City of Seal Beach to discuss the results of the Leak Detection Survey performed by MWDOC. Emphasis was placed on making timely repairs, measuring leak flow rates, and compiling the cost of repairs. MWDOC surveyed 75 miles of water main, including water services. The survey began February 18 and concluded March 20.</p>
City of Huntington Beach Leak Detection Survey Wrap-Up Meeting	<p>On April 15, Joe, Rachel D., and Jason met via Zoom with staff from the City of Huntington Beach to discuss the results of the Leak Detection Survey performed by MWDOC. Emphasis was placed on making timely repairs, measuring leak flow rates, and compiling the cost of repairs. MWDOC surveyed 36 miles of water main, including water services. The survey began March 30 and concluded April 23.</p>
California Water Efficiency Partnership (CalWEP) Program Committee Meeting	<p>On April 16, Rachel W. and Andrea Antony participated in the CalWEP Program Committee meeting. Topics on the agenda included:</p> <ul style="list-style-type: none"> • Program Committee 2019 Re-Cap • Basecamp Overview • CalWEP Updates <ul style="list-style-type: none"> ○ Research Committee ○ Framework Implementation Joint Task Force Survey • Discussion Forum: Program Challenges Amidst COVID-19 • Research Wish List <ul style="list-style-type: none"> ○ Informing the Research Committee ○ Updating Implementation Guide <p>The next meeting is scheduled for June 11th.</p>

Alliance for Water Efficiency (AWE) Exemplary Programs Webinar	On April 16, Joe provided a 30-minute presentation describing MWDOC's Water Loss Control Program for the AWE Exemplary Programs Webinar. Nearly 200 participants from throughout the United States attended the webinar.
Suspected Leak Survey – City of Fountain Valley	On April 22, Jason and Austin Blair conducted a suspected leak survey for the City of Fountain Valley as part of MWDOC Water Loss Control Program's Shared Services. A report was delivered to city staff on April 24, summarizing the results of the survey.
City of Orange Leak Detection Survey Kickoff Meeting	On April 28, Rachel D., Joe, Jason, and Austin held a leak detection survey kickoff meeting via Zoom with City of Orange staff. Items discussed included: <ul style="list-style-type: none"> • Overview of Leak Detection Approach <ul style="list-style-type: none"> ○ Walking Survey ○ Validations • Survey Area, Schedule, and Scope • Reporting • Questions and Concerns
Mesa Water Leak Detection Survey Kickoff Meeting	On April 29, Rachel D., Joe, Jason, and Austin held a leak detection survey kickoff meeting via Zoom with Mesa Water staff. Items discussed included: <ul style="list-style-type: none"> • Overview of Leak Detection Approach <ul style="list-style-type: none"> ○ Walking Survey ○ Validations • Survey Area, Schedule, and Scope • Reporting • GIS Data • Surveying Large Diameter Pipe • Questions and Concerns
Metropolitan Water District of Southern California (MET) Water Use Efficiency Workgroup Meeting	On April 30, MWDOC WUE staff participated via Zoom in Metropolitan's Water Use Efficiency Workgroup meeting. Agenda items included: <ul style="list-style-type: none"> • Welcome • Latest Board Report on Conservation Expenditures • EGIA Activity • Metropolitan Board Approved Budget • Field Inspection Status • Online Landscape Classes Update • MWEL and QWEL/CLCA Training Update • Metropolitan Outreach Update • Member Agency Roundtable

California Water Efficiency Partnership (CalWEP) Framework Implementation Joint Task Force Meeting	<p>On April 30, Rachel W. and Joe participated in the CalWEP Framework Implementation Joint Task Force meeting. Items discussed included:</p> <ul style="list-style-type: none"> • Creating a Framework Resource Hub for Members <ul style="list-style-type: none"> ○ DWR/SWRCB Upcoming Meetings/Schedule • Framework Survey Launch • Updates from Members and Partners <ul style="list-style-type: none"> ○ Water Loss Update ○ Indoor End Use Study ○ CII Dedicated Irrigation Report Next Steps ○ CalWEP Landscape Measurement FAQ • Questions/Discussion/Next Steps <p>The next meeting is scheduled for July 2020.</p>
Water Data Collaborative Meeting	<p>On May 1, Rachel W. attended the Water Data Collaborative meeting hosted by San Antonio Water Systems (SAWS). The meeting is an effort to bring together water conservation data analysts to collaborate on and share projects and information. Approximately 10 people attended from various water agencies or consulting firms across the western United States. Topics discussed included:</p> <ul style="list-style-type: none"> • Working through COVID-19 • Water Use Trends in Areas with Stay-at-Home Orders • North American Industry Classification System (NAICS) Coding <ul style="list-style-type: none"> ○ Importance ○ Lessons Learned ○ Ways to Help Others <p>The next meeting is scheduled for a date to be determined in August.</p>
East Orange County Water District Leak Detection Survey Wrap-Up Meeting	<p>On May 4, Joe, Rachel D., Jason, and Austin met with staff from East Orange County Water District via Zoom to discuss the results of the Leak Detection Survey performed by MWDOC. Emphasis was placed on making timely repairs, measuring leak flow rates, and compiling the cost of repairs. MWDOC surveyed 30 miles of water main, including water services. The survey began April 13 and concluded April 21.</p>
State Water Resources Control Board (SWRCB) Proposed Water Loss Standard	<p>On May 5, 7, and 8, Joe and Rachel D. participated in conference calls hosted by Amy Talbot at Cal-Nev AWWA, Chelsea Haines at Association of California Water Agencies, and Jonathon Young at California Municipal Utilities Association to discuss the latest water loss proposal from the SWRCB. Since fall of 2019, water agencies have put significant time and effort into formulating multiple comment letters to shape the developing standard. This newest proposal showed some consideration for the concerns brought forward in the Associations' March letter to the Executive Director, though pieces of the proposal are still problematic. Areas of particular concern include the individual standard setting process, the economic model's lack of independent review, criteria set forth in the "off-ramps," and questionnaires that seek to collect data beyond the scope of the regulation.</p>

State Water Resources Control Board (SWRCB) Proposed Water Loss Standard - continued	Stakeholders will provide comments to the SWRCB at the May 13 Board Workshop and through written comments due May 26.
Orange County Water Use Efficiency Coordinators Workgroup Meeting	<p>On May 7, Joe, Beth Fahl, Rachel D., Rachel W., Steve, and Andrea hosted the Orange County Water Use Efficiency Coordinators Workgroup meeting via Zoom. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates <ul style="list-style-type: none"> ○ Choice Invoicing ○ SAWPA Survey ○ USBR Agreement – Flume Study • Agency Roundtable/Problem Solving • Metropolitan Update <ul style="list-style-type: none"> ○ Budget Update ○ PAC Recommendations or other Program Refinements for 20/21 Fiscal Year ○ G3 Online Landscape and Turf Removal Classes ○ Estimated Timeframe for Restarting Inspections • Water Use Efficiency Programs Update <ul style="list-style-type: none"> ○ Inspections Check-In ○ Invoicing Contacts • SWRCB Adopted Resolution Requiring Mandatory Monthly Reporting • Water Use Efficiency Standards Implementation <ul style="list-style-type: none"> ○ Dedicated Irrigation Meter Survey ○ Additional MWDOC Assistance • Water Loss Control Program Update • CalWEP Update <p>The next meeting is scheduled for June 4th.</p>
PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Developed Water Use Efficiency bill inserts for member agencies – focused on COVID-19 messaging. • Provided and maintained COVID-19 messaging and update spreadsheet for MWDOC and MET member agencies. • Closed submissions and cataloged entries for the 2020 Water Awareness Poster Contest • Coordinated and hosted a Public Affairs Workgroup for member agency PIO's via Zoom.

Member Agency Relations - continued	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Sent updates regarding water shutoffs per the Governor's Executive Order • Provided a legislative update at the OC MET Managers meeting • Sent out information regarding a potential water infrastructure bill and asked for "shovel ready" projects
Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Participated in a GoToWebinar – 2020 Girl Scouts update with CEO Sylvia Acevedo. • Participated in an Orange County Business Council Workforce Development meeting. <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Attending a Telework and Crisis Communications Zoom Workshop hosted by ACC-OC
Media Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Worked with Agendum ventures on OC Register Water Awareness Month Sunday Insert. • Conducted a social media campaign for National Environmental Education Week featuring interviews with MWDOC partners including, world-renowned artist Wyland, Director of the State Education and Environment Roundtable Dr. Jerry Lieberman, as well as Inside the Outdoors and Orange County Coastkeeper lead educators. • Prepared video briefs and coordinated with social media contractor HashtagPinpoint to begin preparing additional video content for upcoming posts.
Education	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Worked closely with Orange County Department of Education to create the Grab-and-Go Water Lesson: Water Filtration Challenge for Orange County teachers, families, and students. • Met with OCSTEM to discuss activities to share on social media. • Finalized video scripts for MWDOC High School Digital Program • Released 5 video episodes for the MWDOC Elementary School Digital Program (K-2) • Sent member agencies participating in the MWDOC Elementary School (K-2) Digital Program links to the live videos to share in their service areas • Met with Discovery Cube Orange County to review structure and content for 6 grade-specific videos for the MWDOC Elementary School (3-6) and Middle School (7-8) Digital Programs • Participated in three (3) Metropolitan Water District of Southern California Education Coordinator's Zoom Meetings • Participated in two (2) California Department of Water Resources Water Education Committee Zoom Meetings • Participated in a California Environmental Literacy Initiative Leadership Council meeting.

Education - continued	<ul style="list-style-type: none"> • Met with Bolsa Chica Conservancy to review structure and content for the three (3) MWDOC High School (9-12) Digital Program videos • Worked with California Environmental Education Foundation to transfer leadership of the Water Energy Education Alliance (WEEA) MWDOC. • Presented and hosted a breakout session at a WEEA Leadership Roundtable meeting. • Prepared a Sponsorship package for WEEA that includes an informational flyer, sponsorship form, and a personal invitation letter. • Sent an invitation to sponsor WEEA to six (6) previous sponsors: Metropolitan Water District of Southern California (Metropolitan), Los Angeles Department of Water and Power (LADWP), Irvine Ranch Water District, Moulton Niguel Water District, Elsinore Valley Municipal Water District (EVMWD), and Water Replenishment District. At the time of this report, Metropolitan, LADWP, and EVMWD have confirmed their renewed commitment, securing half of the amount needed to hire a part-time program facilitator. • Met with two (2) graduating college students to discuss careers in water.
Special Projects	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Maintained and distributed an excel spreadsheet to water agencies across the state to track messaging and action items in response to COVID-19, 202 agencies participated. • Created additional COVID-19 visual messaging for social media on behalf of WEROC department. • Created and Prepared recognition for upcoming retirements. • Prepared and sent refund letters to 2020 OC Water Summit sponsors and registered attendees. • Provided MWDOC COVID-19 media/tool kit to other water agencies in Southern California that were struggling for content to communicate with their customers during this unprecedented time. • Completed several website updates. <p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> • Coordinated efforts to get the ISDOC sponsored scholarship forms and information into place. • Coordinated with staff on behalf of the Department of Water Resources to provide an update on the Delta Conveyance Project at the June WACO meeting. The speaker will be DWR Director Karla Nemeth. • Hosted the WACO Planning meeting via Zoom • Sent out ISDOC Quarterly Meeting cancelation notice and a reminder to send in ballots for the LAFCO dues reapportionment election • Staffed the May WACO meeting via Zoom featuring guest speaker Vicki Osborn, who provided an update on COVID-19 issues related to the water/wastewater industry • Participated in a meeting with LAFCO staff regarding MWDOC's upcoming Municipal Service Review • Drafted a letter on behalf of ISDOC to LAFCO with the dues reapportionment election results

Special Projects - continued	<ul style="list-style-type: none"> Coordinated with the Orange County Auditor-Controller's office to ensure the new allocation formula for the special districts' portion of the LAFCO budget is applied for the upcoming fiscal year.
Legislative Affairs	<p>Governmental Affairs Staff:</p> <ul style="list-style-type: none"> Participated in the ACWA Federal Affairs Infrastructure Working Group on April 8, 15, 22, and May 6 Participated in the ACWA Shutoffs Working Group Attended the CMUA Regulatory and Legislative Committee meetings Participated in the Metropolitan Legislative Coordinators bimonthly call Drafted and circulated the following letters that were Board approved: AB 2178 (Levine), AB 2560 (Quirk), AB 2093 (Gloria), AB 2182 (Rubio), ACR 179 (Voepel), SB 1099 (Dodd) Joined the coalition to support MWD sponsored (and now held) legislation – AB 2246 (Mayes) and SB 996 (Portantino) Coordinated with Barker Leavitt to send letters to key members of Congress regarding COVID-19 funding Participated in ACWA/CMUA SB 200 Implementation Working Group on April 14 and April 28 Participated in the CalDesal Legislative Committee meeting Participated in the ACWA Region 10 State Legislative Committee planning meeting Attended the ACWA State Legislative Committee meeting Attended the CMUA Legislative Committee meeting Attended the CSDA Legislative Committee meeting Monitored the May 5 State Water Resources Control Board meeting, re: shutoffs and SB 200 implementation



MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AGENCIES MANAGERS MEETING

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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
City of San Juan Capistrano
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

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(669) 900-9128 -or-
(888) 788-0099 Toll-free

WHEN: Thursday, May 21, 2020 from 10:30 am to 12:00 pm.

DRAFT AGENDA

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

Page #

2. Information/Discussion Items:

2-1. COVID-19 Update	
2-2. MWDOC Budget	2
2-3. Timing of the discussions for:	
a. Economic Benefit Studies	
b. MWDOC Member Agency Broader Issues Discussion	
2-4. SWRCB Proposed Water Loss Standards.....	44
2-5. MWDOC Water Loss Shared Service.....	55
2-6. Metropolitan IRP Process Update.....	79

3. Announcements

3-1. Urban Water Management Plan RFP Update.....	87
3-2. State Water Resources Control Board Monthly Reporting	
3-3. Metropolitan General Manager Selection Process	108

4. Report Items:

4-1. Water Supply Update	114
4-2. Monthly GM Report	123
4-3. Legislative Reports	143
4-4. WEROC Matrix	175
4-5. Grant Funding Opportunities	178

5. Reminders

5-1. MET IRP Stakeholder Workshops (10am – 11:30 am).....	May 20 & May 22
5-2. UWMP Draft-RFP Consultant Webinar (2:30pm).....	May 22

6. Next meeting will tentatively be held June 18, 2020.

LOCAL AGENCY FORMATION COMMISSION ORANGE COUNTY

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

REGULAR MEETING AGENDA

Wednesday, May 13, 2020
8:15 a.m.

IMPORTANT NOTICE REGARDING THE MAY 13, 2020 REGULAR COMMISSION MEETING

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

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

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

<https://us02web.zoom.us/j/87188869299>

You can also dial in using your phone

1 (669) 900-9128

Webinar ID: 871 8886 9299

As a courtesy to the other participants, please mute your phone when you are not speaking.

Submission of Public Comments: For those wishing to make public comments at the May 13, 2020 Regular Commission meeting, please submit your comments by email to be read aloud at the meeting by the Commission Clerk. Email comments must be submitted to the Commission Clerk at ccarter-benjamin@oclafo.org. Email comments on matters not on the agenda must be submitted prior to the time the Chair calls the item for Public Comments. Email comments on agenda items must be submitted prior to the time the Chair closes public comments on the agenda item. All email comments shall be subject to the same rules as would otherwise govern speaker comments at the Regular Commission meeting. Electronic comments on agenda items for the May 13, 2020 Regular Commission meeting may only be submitted via email and comments via text and social media (Facebook, Twitter, etc.) will not be accepted.

Reading of Public Comments: The Commission Clerk shall read all email comments, provided that the reading shall not exceed three (3) minutes, or such other time as the Chair may provide, consistent with the time limit for speakers at the Regular Commission meeting. The email comments submitted shall become part of the record of the Regular Commission meeting.

1. CALL THE MEETING TO ORDER

2. ROLL CALL

**3. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATIONS
(Received After Agenda Distribution)**

4. PUBLIC COMMENT

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

5. CONSENT CALENDAR

a.) April 8, 2020 – Regular Commission Meeting Minutes

The Commission will consider approval of the April 8, 2020 meeting minutes.

6. PUBLIC HEARING

a.) Fiscal Year 2020-21 OC LAFCO Final Budget

The Commission will consider adoption of the FY 2020-21 OC LAFCO Final Budget.

7. COMMISSION DISCUSSION AND ACTION

a.) Memorandum of Understanding with California State University, Fullerton Auxiliary Services Corporation

The Commission will consider the approval of a three-year (Fiscal Years 2020-2023) Memorandum of Understanding with California State University, Fullerton Auxiliary Services Corporation for services provided by the Center for Demographic Research.

b.) OC LAFCO Policy for the Emergency Family and Medical Leave Act and Emergency Paid Sick Leave

The Commission will consider the adoption of an agency policy in response to the Families First Coronavirus Response Act signed into law on March 18, 2020 with an effective date of April 1, 2020.

8. COMMISSIONER COMMENTS

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

9. EXECUTIVE OFFICER'S REPORT

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

10. INFORMATIONAL ITEMS & ANNOUNCEMENTS

No informational items or announcements.

11. CLOSED SESSION

a.) Public Employee Performance Evaluation

Pursuant to Government Code Section 54957

Title: Executive Officer

b.) Conference with Labor Negotiators

Pursuant to Government Code Section 54957.6

Agency designated representatives: Chair Cheryl Brothers and William Kelly of Kelly Associates Management Group

Unrepresented employee: Executive Officer

12. ADJOURNMENT OF REGULAR COMMISSION MEETING

NOTICE REGARDING ITEMS DISTRIBUTED TO THE COMMISSION LESS THAN 72 HOURS PRIOR TO THE LAFCO REGULAR MEETING:

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

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

OC LAFCO Agendas and supporting documentation are available on the Internet at <http://oclafco.org>.



AGENDA

Friday, May 1, 2020
7:30 a.m. - 9:00 a.m.

JOIN ZOOM MEETING

<https://zoom.us/j/98796281359>

JOIN VIA PHONE

669-900-9128 or 888-788-0099

MEETING ID

987 9628 1359

Mailing Address

P.O. Box 8300
Fountain Valley, CA 92708

Meeting Location

18700 Ward Street
Fountain Valley, CA 92708

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

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

Officers

Chair

Hon. Jim Atkinson
Mesa Water District

Vice Chair

Hon. Cathy Green
Orange County Water District

Staff Contacts

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County

1. Welcome

- Jim Atkinson, Mesa Water District

2. Housekeeping & Meeting Etiquette

3. Pledge of Allegiance

4. Reports

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

5. Program - COVID-19: Challenges & Opportunities for OC Water Providers – *Financial & Operational Impacts, Relief Funding, Workforce Protections, & More*

- Vicki Osborn, Director of Emergency Management, Water Emergency Response Organization of Orange County (WEROC)

Adjourn

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



/orangecountywater



@waco_h2o



/orangecountywater

Next WACO Meeting

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

Next WACO Planning Committee Meeting

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



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

Join Zoom Meeting
<https://zoom.us/j/885737099>

Meeting ID: 885 737 099

Dial by your location
669-900-9128 (San Jose)
877-853-5247 (Toll-free)

Meeting ID: 885 737 099

AGENDA

ACTION ITEMS

1. June 5 WACO meeting
 - Topic: Delta Conveyance Project
 - Speaker: Karla Nemeth, Director, Department of Water Resources
 - Meeting reports you'd like to hear
 - Any changes from last meeting?

DISCUSSION ITEMS

1. July 10 (2nd Friday) and August 7– *virtual format*
 - Dissolution of Sativa Water District (originally planned for May pre-covid)
 - Ducks Unlimited (originally planned for April pre-covid)
 - International view of water (originally planned for June pre-covid)
 - The future of power – Dr. Michael Binderbauer, Tri Alpha Energy (Howard Hull)
 - Urban Water Management Plan (Bob McVicker)
 - Contaminants of emerging concern / basin salt balance (Peer Swan / Fred O'Callaghan)
 - Water Solutions Network (Larry McKenney)
 - The future of 5G w/Crown Castle (Sat Tamaribuchi)
 - Affordability of water & human right to water (Stacy Taylor)
 - Species in the river - Dept. of Fish & Wildlife (Peer Swan)
 - The challenges of wholesalers (Jim Atkinson)
 - Update on Prop 1 funding for storage projects/ status of projects gaining matching funds (Larry Dick)

ADJOURN

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

18700 Ward Street
Fountain Valley, CA 92708

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

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

Officers

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Mesa Water District

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Alicia Dunkin

Orange County Water District

Heather Baez

Municipal Water District of Orange County



Stay Connected with WACO
on Facebook, Twitter and YouTube!



AGENDA
Quarterly Utility Coordination Meeting
Wednesday, May 27, 2020 – 10:00 A.M. - 11:00 A.M.
City of Lake Forest – NEW City Hall
Virtual Meeting

You have been invited to join Abernathy, Taylor's room for a meeting.

MobileConnect Users:

[Join Abernathy, Taylor's room in MobileConnect.](#)

Guest Participants:

<https://cgc.vonage.com/cgc?join=VGF5bG9yIEFiZXJuYXRoeSw5NDk0NjEzNDkwQHZvaXAudG5sdGQubmV0LG5hNzIybixjYmhuZHQ=>

Audio Only: +19494613555,969951#

1. Introductions
2. City Projects (Taylor Abernathy)
 - a. Santiago Canyon Road Safety Improvements
 - Current Status – County Lead Project, Anticipate Construction End of 2020
 - b. 2019 Citywide Roadway Improvement Project
 - Dimension Drive Street Improvements
 - Civic Center Drive Street Improvements
 - Portola Parkway Street Improvements
 - Serrano Summit – Civic Center Drive Roadway and Signal Improvements
 - Serrano Summit – Civic Center Drive Landscaping Improvements
 - TCWD Dimension Drive Driveway Improvements
 - i. Current Status –Substantial Completion was May 1st
 - ii. Preparing final documentation for reimbursement agreements
 - c. Portola Park
 - Current Status – In construction
 - d. I-5 Interchange Signs
 - Current Status –Utility Relocations required contact has been made with the affected utilities, need relocation schedules for the utilities, Bidding thereafter
 - e. Raised Median Improvements and Repairs
 - Current Status – Substantial Completion was end of April
 - f. Bake Parkway Trabuco/ Irvine (Ultimate)
 - Current Status – In Design, Anticipate Design and R/W by end of FY 2019-20; Working with Irvine on a co-op agreement and send SCE Transmission a letter requesting relocation of 3 transmission lines and a vault earlier this week; Construction TBD
 - g. El Toro Road and Portola/ Santa Margarita

- Current Status – Preliminary design complete, Anticipate Final Design and R/W by end of FY 2019-20; Construction TBD
 - h. 7 Year Street Overlay / Slurry Program -
 - Next Slurry Seal Zones:
 - Zone C (FY 2019-20); Anticipated Spring 2020 (delayed)
 - Zone G (FY 2020-21)
 - Zone F (FY 2021-22)
 - i. 7 Year Street Overlay / Slurry Program -
 - Resurfacing Project Locations:
 - i. Toledo Way, Ridge Route, and Serrano; Construction to begin 6/11/2020
 - j. Civic Center
 - Complete
 - k. Traffic Signal System Upgrades
 - Materials should be purchased; installation forthcoming
 - Coordination of pedestal change outs with the contractor
 - l. Muirlands/Los Alisos Dual Lefts All legs
 - City will issue an RFP for design
 - m. Jeronimo/El Toro Realignment
 - In Design
 - n. Protective Permissive Signals
 - In Design
 - o. Upcoming CIP FY 2019-21
 - Review 2019-2021 CIP
3. Development Activity in Lake Forest (Doug Erdman)
- a. Portola Center (930 total homes)
 - Northwest – (The Oaks) – Substantially complete
 - Northeast – (The Oaks) – Street, Utility, and home building in Phase 1 (area adjacent to GRR & SRR), Grading in Phase 2A (adjacent to GRR toward El Toro Rd)
 - South – (Iron Ridge) - Home building
 - South – (Mixed Use/Sr. Affordable) – Site Improvements and Building construction
 - b. Baker Ranch – Substantial complete
 - c. Serrano Summit – In tract grading, streets, and model's

- d. Teresina – Street, Utilities and Home building
 - e. Nakase – Rough Grading anticipated to start in Spring 2020
4. Blanket/Annual Permits (Doug Erdman) The City still requires notification if you are doing work, even if it is under the blank or annual permits.
- a. Notification Forms
 - b. 24-hour minimum notice required
 - c. Job tracking not provided
 - d. Additional Deposits Required
 - 1. Cox Communications
 - 2. El Toro Water District
 - 3. IRWD
5. Encroachment Permits
- a. Please identify the number of days required to do the work including the restoration work
 - b. Please make sure to identify nightwork on the applications
 - c. If something changes after EP approval you will need to revise EP
 - d. Fees are increased for this as it is a hard cost to the City
6. Traffic Control Requirements related to Encroachment Permits
- a. Use of WATCH Manual, Joint Utilities Manual, or CATTCH requires submitting location map and plan number(s) to be used
 - b. Include exhibit pages with the application for record purposes
7. Sidewalk Inspection / Utility Lids (Matt Reagan)
- a. Damaged utility lids identified in sidewalk hazard inspection.
Public Works Inspector to coordinate with utilities on replacements
8. Pavement Moratorium -
- a. City's Pavement Moratorium is included in all Encroachment Permits
 - b. A list of streets that are under moratorium are:
 - Slurry Seals (*Date of beginning of Moratorium*)
 - i. Zone D (11/2017),
 - ii. Zone E (4/5/2018),
 - iii. Zone B (4/2019), and
 - iv. Zone C, forthcoming (Spring 2020)
 - Arterial Streets
 - i. Alton Parkway (Portola to Rancho South) (8/2017)
 - ii. Portola Parkway (Alton to El Toro Road) (7/2017)

- iii. Trabuco Rd (Lake Forest to Peachwood) (4/2019)
- iv. Saddleback Rd (Millwood to Glenn Ranch Rd) (2/2020)
- v. Dimension Rd from Bake to Lake Forest (5/2020)
- vi. Civic Center Rd from Commercentre to IRWD facility (5/2020)
- vii. Portola under SR-241 (Caltrans R/W) (5/2020)
- viii. Toledo from Bake to El Toro, forthcoming (Spring 2020)
- ix. Serrano from Toledo to El Toro, forthcoming (Spring 2020)
- x. Ridge Route from Trabuco to dead-end at I-5, forthcoming (Spring 2020)

9. Status reports on projects from utility companies; new projects/project updates

a. **AT&T –**

b. **COX Communications –**

c. **El Toro Water District –**

d. **Irvine Ranch Water District –**

e. **Southern California Gas Company –**

f. **Southern Calif. Edison Company –**

g. **Trabuco Canyon Water District –**

10. Next Meeting (08/26/2020 at 10:00 a.m.)

DATES TO REMEMBER

MAY/JUNE 2020

1. May 29 – OC Water Summit (Disney Grand Hotel)
2. May 29 – 11:30 a.m. – Chair/GM Meeting
3. Jun 1 – 8:30 a.m. – MWDOC Planning/Operations Meeting
4. Jun 1 – 1:30 p.m. – SOCWMA Management Committee Meeting
5. Jun 2 – 7:30 a.m. – ISDOC Executive Committee Meeting
6. Jun 2 – 10:00 a.m. – RRC Meeting
7. Jun 2 – 10:30 a.m. – SOCWA Finance Meeting
8. Jun 3 – 8:30 a.m. – MWDOC/MET Directors Workshop
9. Jun 4 – 8:30 a.m. – SOCWA Board Meeting
10. Jun 5 – 7:30 a.m. – WACO Meeting
11. Jun 5 – DISTRICT OFFICE CLOSED
12. Jun 9 – 7:30 a.m. – Board Budget Workshop (Full Board)
13. Jun 10 – 8:30 a.m. – LAFCO
14. Jun 10 – 8:30 a.m. – MWDOC Admin/Finance Meeting
15. Jun 11 – 8:30 a.m. – SOCWA Engineering Committee Meeting
16. Jun 11 – 10:15 a.m. – South County Water Coalition Meeting
17. Jun 12 – 11:30 a.m. – Chair/GM Meeting
18. Jun 15 – 7:30 a.m. – Agenda Review
19. Jun 15 – 8:30 a.m. – MWDOC Public Affairs Meeting
20. Jun 16 – 7:30 a.m. – WACO Planning Committee Meeting
21. Jun 17 – 8:30 a.m. – MWDOC Board Meeting
22. Jun 18 – 8:00 a.m. – SAC Meeting
23. Jun 19 – DISTRICT OFFICE CLOSED
24. Jun 22 – 7:30 a.m. – Regular Engineering & Finance Committee Meeting
25. Jun 23 – 10:30 a.m. – SOCWA Finance Meeting

26. Jun 24- 25 – WateReuse Conference (Virtual)
27. Jun 25 – 7:30 a.m. – Regular Board Meeting
28. Jun 26 – 8:00 a.m. – TV-6 (Gaskins) (Tentative whether TV-6 is broadcasting)
29. Jun 26 – 11:30 a.m. – Chair/GM Meeting
30. Jun 30 – 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.