


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.


ROBERT R. HILL, Secretary of the
El Toro Water District and the Board of
Directors thereof

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

October 24, 2017
7:30 a.m.

Director Monin will be participating telephonically
From a teleconference site located at

The Mirage
3400 S. Las Vegas Blvd, Las Vegas, NV 89109
(702) 791-7111, Room # 1009

CALL MEETING TO ORDER – President Goldman

PLEDGE OF ALLEGIANCE – President Goldman

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 "DIRECTORS COMMENTS/NON-AGENDA ITEMS." The public will 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(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.)

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)

PRESENTATION OF AWARDS, RECOGNITIONS AND INTRODUCTIONS

a. Service Awards

1. Mr. Hill will recognize and congratulate on behalf of the Board, Troy Davis, Pump Station Foreman, for 30 years of service with the District.

b. Continuing Education & Training, Degree and Certification Program acknowledgement

No acknowledgement this month.

c. Special District/Employee Association/Community Award Acknowledgement and Employee Special Recognition

No acknowledgement this month.

1. Approval of Minutes (Minutes Included)

Approve minutes of the September 26, 2017 Board of Directors meeting, and the minutes of the October 9, 2017 Special Board meeting.

2. Attendance at Conferences and Meetings

There were no requests.

APPROVAL OF ITEMS RECOMMENDED FOR APPROVAL BY THE ENGINEERING, AND FINANCE/INSURANCE (FIC) COMMITTEES: (Reference Material for the Action and Informational Items is included in the agenda package for the October 23, 2017 Engineering/FIC Committee Meeting)

- a. Consider approving the minutes for the September 25, 2017 Engineering and Finance/Insurance meeting
- b. Consider authorizing the General Manager to enter into a contract with T.E. Roberts, Inc. in the amount of \$1,337,411.00 for construction of the East Side System component of the Phase II Recycled Water Distribution System Expansion Project
- c. Consider Receiving and Filing the Pace Aeration System Evaluation Report
- d. Consider Ratifying the approval of the change order to the construction contract with Romo Pipeline in the amount of \$13,600.00 for the pipeline modifications to the

existing District owned and maintained water distribution system in the Lake Forest Marketplace

- e. Consider approving, ratify and confirm payment of those bills set forth in the schedule of bills for consideration dated October 23, 2017 and receive and file financial statements through September 30, 2017

ENGINEERING AND FINANCE/INSURANCE COMMITTEE (FIC) GENERAL INFORMATION ITEMS TO BE RECEIVED AND FILED

- f. El Toro Water District Capital Project Status Report
- g. Engineering Items Discussed at Various Conferences and Meetings
- h. Receive and File the Quarterly Insurance Report
- i. the Tiered Water Usage and Revenue Tracking report

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.

DIRECTOR/COMMITTEE REPORTING

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

GENERAL MANAGER ACTION ITEMS

- 4. **El Toro Water District OPEB GASB 43/45 Actuarial Valuation** (Reference Material Included)

Mr. Carlos Diaz of Demsey, Filliger & Associates will review and comment on their independently prepared ETWD 2016 Actuarial Valuation. Governmental Accounting Standards Board (GASB) 43/45 requires public employers such as the District to perform Actuarial Valuations every three years to measure and disclose their retiree healthcare liabilities for their financial statements. The last Valuation was completed in 2013.

Recommended Action: Staff recommends that the Board Receive and File the ETWD 2016 Actuarial Valuation.

5. **Resolution No. 17-10-1 Which Adopts a Revision to the District's Water Capital Facilities Fee and Amends Schedule 2-W (Capital Facilities Fee) of the District's Rules and Regulations** (Reference Material Included)

Staff is recommending certain revisions to the language in the Water Capital Facilities Fee relative to the procedures for calculating the Water Supply Charge.

Recommended Action: Staff recommends that the Board of Directors approve Resolution No. 17-10-1 which adopts a revision to the District's Water Capital Facilities Fee and Amends Schedule 2-W (Capital Facilities Fee) of the District's Rules and Regulations.

RESOLUTION NO. 17-10-1

RESOLUTION OF THE BOARD OF DIRECTORS
OF EL TORO WATER DISTRICT REVISING THE
WATER CAPITAL FACILITIES FEE AND AMENDING SCHEDULE 2-W
OF THE DISTRICT'S RULES AND REGULATIONS

6. **Resolution No. 17-10-2 Recognizing Lee Bevilacqua's 100th Birthday and Dedication and Support of the District** (Reference Material Included)

Resolution No. 17-10-2 recognizes this major milestone in her life and her dedication and support of Ted F. Martin's role serving as a director of the El Toro Water District Board for 22 years and as its president for 15 of those years.

Recommended Action: Staff recommends that the Board of Directors approve Resolution No. 17-10-2 which recognizes Lee Bevilacqua's 100th birthday and dedication and support of Ted F. Martin's role serving as a director of the El Toro Water District Board for 22 years and as its president for 15 of those years.

RESOLUTION NO. 17-10-2

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE EL TORO WATER DISTRICT
RECOGNIZING LEE BEVILACQUA'S
100th BIRTHDAY & DEDICATION AND
SUPPORT OF THE DISTRICT

7. **Resolution No. 17-10-3 Supporting the Nomination of Steve LeMar as a Candidate for the Position of ACWA Vice President** (Reference Material Included)

Staff will review and comment on Resolution No. 17-10-3 expressing support of Steve LeMar as a Candidate for the position of ACWA Vice President.

Recommended Action: Staff recommends that Board of Director adopt Resolution No. 17-10-3 which expresses support of Steve LeMar as a Candidate for the position of ACWA Vice President.

RESOLUTION NO. 17-10-3

RESOLUTION OF THE BOARD OF DIRECTORS OF THE EL TORO WATER DISTRICT SUPPORTING THE NOMINATION OF STEVE LAMAR AS A CANDIDATE FOR THE POSITION OF ACWA VICE PRESIDENT

8. **General Session Membership Meeting at ACWA 2017 Fall Conference**
(Reference Material Included)

Staff will review and comment on the General Session Membership Meeting. The purpose of the meeting is to formally nominate and elect ACWA's President and Vice President for the 2018-2019 term and to conduct a vote by the membership on proposed amendments to ACWA's Bylaws as recommended by the Board of Directors at its meeting on September 29, 2017.

Recommended Action: Staff recommends that the Board of Directors 1) approve a Proxy Designation Form designating President Goldman as the District's Voting Delegate, 2) to cast a vote approving the ACWA Nominating Committee recommended slate for President (Brent Hastey) and Vice President (Steven LeMar) and 3) to cast a vote approving proposed amendments to the ACWA Bylaws.

9. **Orange County Redevelopment Agency Oversight Board Special District Member Appointment** (Reference Material Included)

Staff will review and comment on the election process for the appointment of a Special District Member to the new county-side Orange County Redevelopment Agency Oversight Board (RDA Board) and the District's proposed nomination of Moulton Niguel Water District's Vice President Brian Probolsky to be the Special District Member. To participate in the process, both, the Qualification to Vote and the Nomination Form (if a District is nominating a candidate) must be submitted to LAFCO on or before November 10, 2017.

Recommended Action: Staff recommends that the Board of Directors 1) approve the Declaration of Qualification to Vote Form designating President Goldman and alternate Director/Treasure Monin to vote in the Orange County Special District Selection Committee Election and 2) to approve and submit a Nomination Form nominating MNWD Vice President to be the Special District Member.

GENERAL MANAGER INFORMATION ITEMS

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

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

11. **State Drought Regulations – Monthly Report** (Reference Material Included)

Staff will review and comment on reporting of monthly and cumulative water production compared to actual water production in 2013.

12. Legislative Reports (Reference Materials Included)

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

13. Public Education and Outreach & Water Conservation Reports (Reference Material Included)

14. SOCWA Reports (Reference Material Included)

- a. SOCWA Board Meeting – October 5, 2017
- b. SOCWA Engineering Committee Meeting – October 12, 2017

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

- a. MWDOC Planning/Operations Committee – October 2, 2017
- b. MWDOC/MET Directors Workshop – October 4, 2017
- c. MWDOC Administration & Finance Committee – October 11, 2017
- d. MWDOC Public Affairs & Legislation Committee – October 16, 2017
- e. MWDOC Board of Directors Meeting – October 18, 2017
- f. MWDOC Managers Meeting – October 19, 2017

16. Local Agency Formation Commission (LAFCO) Report

- a. Report on the October 11, 2017 LAFCO meeting

17. South Orange County Watershed Management Area (SOCWMA) Management and/or Executive Committee Report

- a. Report on the October 2, 2017 Management Committee meeting

18. ISDOC Meetings (Reference Material Included)

- a. Report on the October 3, 2017 ISDOC Executive Committee meeting

19. WACO Meetings (Reference Material Included)

- a. Report on the October 13, 2017 WACO Meeting
- b. Report on the October 17, 2017 WACO Planning Committee Meeting

20. City Coordination Efforts

There were no meetings.

COMMITTEE AND GENERAL INFORMATION

21. Dates to Remember for October/November 2017 (Reference Material Included)

22. Carry-Over Pending Matters

There are no carry over matters.

DIRECTOR COMMENTS/NON-AGENDA ITEMS

ATTORNEY REPORT

CLOSED SESSION

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

1. In accordance with Government Code Section 54956.8 to consult with the District's Negotiator (Dennis Cafferty, Assistant General Manager) regarding the terms and conditions concerning the potential sale/disposition of the following property: Property and Easements within Assessor Parcel Number 613-011-01 (District's existing Pump Station site).
2. In accordance with Government Code Section 54956.9 to consult with legal counsel on matter of potential litigation – (one matter).
3. In accordance with Government Code Section 54956.96 in order to receive, discuss, and/or take action concerning information obtained by the District's representative pertaining to a closed session of the South Orange County Wastewater Authority ("SOCWA"), a joint powers agency.
4. In accordance with Government Code Section 54957 to review the General Manager's Employment Agreement.

REGULAR SESSION

REPORT ON CLOSED SESSION (Legal Counsel)

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

ADJOURNMENT

Recommended Board Action: The Board will be requested to take action adjourning today's Board meeting to **Tuesday, November 28, 2017 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
September 26, 2017

President Goldman called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 o'clock a.m. on September 26, 2017 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

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

Directors M. SCOTT GOLDMAN, JOSE F. VERGARA, and MARK MONIN were present.

Directors WILLIAM H. KAHN, and FRED ADJARIAN, were absent.

Also present were ROBERT R. HILL, General Manager/Secretary, DENNIS P. CAFFERTY, Assistant General Manager/District Engineer, NEELY SHAHBAKHTI, Finance Manager/Controller, JUDY CIMORELL, Human Resources Manager, GILBERT J. GRANITO, General Counsel, POLLY WELSCH, Recording Secretary, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator and KATHRYN FRESHLEY, Customer.

Oral Communications - Public Comments

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

Consent Calendar

There being no further comments, President Goldman asked for a Motion to approve the Consent Calendar.

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

Roll Call Vote:

Director Monin	aye
Director Vergara	aye
President Goldman	aye

Approval of Items Removed from Today's Consent Calendar

There were no comments.

Director/Committee Reporting

Director Vergara stated that he attended the MWDOC/MET Directors workshop, the MWDOC Planning/Operations meeting, the South Orange County Economic Coalition meeting, and the Lake Forest Chamber of Commerce meeting.

Director Monin stated that he attended the WACO meeting, the ISDOC

Executive Committee meeting, the MWDOC Admin/Finance meeting, the MWDOC Board meeting, the MWDOC/MET Directors workshop, and the South Orange County Economic Coalition meeting.

President Goldman stated that he attended the SOCWA Board meeting, a CASA Board Planning Retreat, the South Orange County Economic Coalition meeting, and will be presenting at TV-6 on Friday.

General Manager Action Items

ACWA Region 10 Board Ballot

Mr. Hill stated that staff's recommendation is to approve the ACWA Nominating Committee's recommended slate for the 2017/18 term. He further stated that this is the year that Orange County gets 3 seats.

President Goldman asked for a Motion.

Motion: Director Monin made a Motion, seconded by Director Vergara and unanimously carried across the Board to vote for the ACWA Region 10 Nominating Committee's recommended slate for the 2017/18 term.

Roll Call Vote

Director Monin	aye
President Goldman	aye
Director Vergara	aye

Resolution No. 17-9-2 Which Adopts a Revision to the District's Water Capital Facilities Fee and Amends Schedule 2-W (Capital Facilities Fee) of the District's

Rules and Regulations

Mr. Cafferty stated that we adopted a Water Supply Charge into the Capital Facility Fee last year. He further stated that staff is recommending

language revisions to Schedule 2-W that will make it consistent with the calculation procedures defined in the sewer capital facility fee.

President Goldman asked for a Motion.

Motion: Director Vergara made a Motion, seconded by Director Monin and unanimously carried across the Board to approve Resolution No. 17-9-2 which adopts a revision to the District's Water Capital Facilities Fee and amends Schedule 2-W (Capital Facilities Fee) of the District's Rules and Regulations.

Roll Call Vote

Director Vergara	aye
President Goldman	aye
Director Monin	aye

General Manager Information Items

General Manager's Monthly Report

Mr. Hill stated that on the Customer Service Activity report, there was an unusually high number of Billing Payment Graph Inquires.

Ms. Shahbakhti stated that the number increased due to a software error on the graph on the bill, which is currently being corrected. She further stated that customers were calling questioning the graph which was calculating the formula incorrectly.

Ms. Shahbakhti stated that we had a rate increase in August which impacted customer bills, and also the credit card portal was upgraded and during that time none of the customer's payment were posted.

State Drought Regulations – Monthly Report

Mr. Hill stated that we are still comparing water use to 2013, with a reduction of 26%. He further stated that LWV water use increased for the month of July compared to 2013, but in August they were at 14% below.

Director Vergara asked what is the latest update on the Poseidon Desal plant in Huntington Beach. Mr. Hill replied that Poseidon is waiting on the State Lands Commission's approval, then they will go back to the State Water Resources Control Board to renew their NPDES permit, and the Coastal Commission's approval. He further stated that this should occur in the spring or summer of 2018.

Mr. Hill stated that Thomas Communications Group has merged with Communications Lab, and perhaps we could have Barbara Thomas attend the October Board meeting to introduce the new company to the Board.

Legislative Reports

Mr. Hill stated that the County of Orange report has a synopsis of the Little Hoover Commission report, conclusions, findings, and recommendations on Special Districts and LAFCO. He further recommended that the Board read the article for future discussion.

President Goldman stated that there was discussion on this at the CASA Retreat, and the focus was not on water and sewer, but on vector and hospitals.

Public Education and Outreach/Water Conservation Reports

Ms. Seitz stated that there was 1 water waste complaint for the month of August.

Ms. Seitz stated that staff is trying to increase the online bill payment participation which is currently about 5%, but the biggest drawback is the fee. She further stated that over 20% online bill payers would reduce the fee.

Ms. Seitz stated that included in her report is a copy of the general construction alert to the LWV residents in the RWEF Phase II area to inform them of the upcoming project.

Ms. Seitz stated that staff is working with LWV Media 55 Services to develop a RWEF commercial, which is estimated to begin airing November 1st. She further stated that there will be 3 different versions of the commercial, which is at no additional cost.

Ms. Seitz stated that she is working on getting a timeline for the signage for the Demo Garden, and once the signage is up, we will schedule a Dedication.

Ms. Seitz stated that the District will staff a booth at the University of California ANR Cooperative Extension and IRWD's Urban Landscape and Garden Education Expo at the UC ANR South Coast Research and Extension Center in Irvine on September 30th from 9:00 am – 2:00 pm.

Ms. Seitz stated that staff will have a booth at the South County Disaster Expo at the Norman Murray Community Center in Mission Viejo on October 21st from 8:00 am – noon, and will bring the portable water trailer to the event.

Ms. Seitz stated that staff along with MWDOC will host a Boy Scout Soil and Water Conservation Badge Clinic and WRP tour on November 4th from 8:00 am – noon.

Ms. Seitz stated that staff will have a booth at the LW Transportation Day event on November 8th at Clubhouse 5 from 10:00 am – 2:00 pm.

Director Vergara stated that the City of Laguna Woods is going to be recognizing Lee Bevilacqua for her 100th birthday at their City Council meeting, and suggested that the District choose a representative to attend. Ms. Seitz will get more information.

At approximately 8:05 o'clock a.m. Ms. Seitz left the meeting.

SOCWA Reports

Ms. Shahbakhti stated that she and Mr. Cafferty attended the SOCWA Finance meeting.

Mr. Cafferty stated that there was discussion about the Infrastructure Valuation Services effort and the calculation and allocation of General Fund costs.

President Goldman stated that he attended the SOCWA Board meeting where they discussed the employee's MOU, and the financial audit.

Mr. Cafferty stated that he attended the SOCWA Engineering meeting where they discussed the Effluent Transmission Main.

MWDOC

Director Vergara stated that he attended the MWDOC Planning/Operations meeting, where they had a presentation on WEROC. He further stated that they also had a presentation by Kevin Hardy of the National Water Research Institute, and in-lieu deliveries

Director Vergara stated that at the MWDOC/MET workshop they discussed the California Water Fix.

Director Vergara stated that at the MWDOC Public Affairs meeting they discussed legislative activities.

Director Vergara stated that he attended the MWDOC Board meeting where they discussed their logo. Director Monin stated that he feels ETWD's logo is pretty dated, and perhaps we should consider an update at an inexpensive cost.

Director Monin stated that in the MWDOC Finance and Board meetings they discussed dissolving their Water Facilities Corporation.

Mr. Hill stated that staff did not attend the MWDOC Managers meeting. He further stated that he sent the 2017/18 MET shutdown schedule to the Directors, and March 2018 will be an 8-day shutdown on the AMP which will affect all of South Orange County. They also did a 3-year projection of Diemer shutdowns.

Mr. Hill stated that he also forwarded to the Directors a letter from Senator Feinstein to MET regarding her concerns about the Cadiz project as well as MET's response.

LAFCO

There was no meeting in September.

SOCWMA

The meeting was canceled.

ISDOC Meetings

Mr. Hill stated that LAFCO sent a letter regarding a Redevelopment Agency Oversight Board appointment for the county of Orange. He further stated that this Oversight Board will monitor remaining activities of each former redevelopment agency, and there is one for each County.

Mr. Hill stated that legislature has approved adding a Special District representative to the OC RDA Oversight Board. The appointment will be subject to a nomination period and a majority vote of the ISDOC membership.

WACO Meetings

Director Vergara stated that they discussed the California Water Commission.

City Coordination Efforts

There was no meeting.

Committee and General Information

There were no comments.

Dates to Remember

There were no comments.

Carry-Over Pending Matters

There were no carry-over pending matters.

Director Comments/Non-Agenda Items

There were no comments.

Attorney Report

Mr. Granito reported that there is no need for a Closed Session at today's meeting and therefore Regular Session continued.

Mr. Granito reported that the litigation between MNWD and SOCWA was transferred from Orange County Superior Court to Riverside County Superior Court.

Adjournment

There being no further business to come before the Board, the following motion was duly made and passed.

Motion: Director Vergara moved, seconded by Director Monin and unanimously carried that today's meeting be hereby adjourned at 8:40 o'clock a.m. to Tuesday, October 24, 2017 at 7:30 o'clock a.m. at the District's Administrative Offices, 24251 Los Alisos Blvd., Lake Forest, California.

Roll Call Vote:

Director Monin	aye
President Goldman	aye
Director Vergara	aye

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

M. SCOTT GOLDMAN, President of
the El Toro Water District and the
Board of Directors thereof

ROBERT R. HILL, 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
October 9, 2017

President Goldman called the meeting of the Board of Directors of the ELTORO WATER DISTRICT to order at 7:30 o'clock a.m. on October 9, 2017 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

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

Directors M. SCOTT GOLDMAN, JOSE F. VERGARA, MARK MONIN, and FRED ADJARIAN were present.

Director WILLIAM H. KAHN was absent.

Also present were ROBERT R. HILL, General Manager/Assistant Secretary, DENNIS P. CAFFERTY, Assistant General Manager/District Engineer, NEELY SHAHBAKHTI, Finance Manager/Controller, GILBERT J. GRANITO, General Counsel, POLLY WELSCH, Recording Secretary, and JON UPHAM, Sageview Representative, and TODD STEWART, Sageview Representative (via teleconference).

Oral Communications - Public Comments

President Goldman 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 was no public, and there were no comments.

Items Received Too Late to be Agendized

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

SageView Summary Report on the District's 401(k) Employee Retirement

Savings Plan and 457 Deferred Compensation Plan

Mr. Hill stated that from a fiduciary responsibility perspective, back in 2009 the Board requested that SageView evaluate the 401(k) Plan and this time we are including the 457 Plan. He further stated that this is in light of Prudential's proposal to change the relationship they currently have with ETWD with regards to record keeping.

Mr. Hill stated that today's meeting is step one of this evaluation, and after today's meeting, the recommendation is for the Board to provide staff with next steps.

Mr. Hill introduced Mr. Jon Upham, Principal at SageView to the Board. Mr. Upham stated that his CFA/Managing Director, Todd Stewart, would be joining the meeting via teleconference. He further stated that SageView is an investment advisory firm that reviews retirement plans for firms around the country.

Mr. Upham stated that his firm provided a Summary letter with backup materials. He further stated that he was asked to evaluate and compare HighMark's asset allocation strategy being used in the portfolios.

Mr. Upham stated that he reviewed the benchmarks for each of the 4 age-based portfolios, compared performance of the portfolios to the benchmarks, SageView custom benchmarks and industry standard benchmarks. He further stated that they summarized the cost of the portfolios and investment options.

Mr. Upham stated that they conducted a Request for Information (RFI) on fees, intended to assist in negotiating down Prudential's proposed fee increase. He further stated that the summary letter will provides observations and recommendations to staff.

Mr. Upham stated that in 2009 HighMark had their own Mutual Fund accounts which they sold in 2012. He further stated that they feel that HighMark's structure is good and they have a quality investment process and management.

Director Monin asked how many employees does HighMark have and what type of education do they have. Mr. Upham replied that they are unsure at this time.

Mr. Upham stated that SageView has 150 associates that work for their firm, 13 of which are CFA's.

Mr. Upham stated that the record keeping used to be owned by Union Bank who sold their record keeping business to Prudential and the fee remained the same.

Mr. Upham stated that Prudential determined that they could not possibly run the 401(k) Plan for 10 basis points, and is proposing 71 basis points. He

further stated that they sent out an RFI and after negotiations, they are at 28 basis points.

Mr. Upham stated that some of the proposals were not able to provide a number due to the uniqueness of ETWD's age-based portfolio.

Mr. Upham stated that they are recommending that the District stay with Prudential because 1) it is a significant project to transfer accounts from one company to another, and 2) other vendors offering lower prices may not be able to handle the transactions given the unique nature of the 401(k) portfolios.

Mr. Upham stated that if we use Prudential's target-date re-enrollment, they would lower their administration fee. Director Vergara asked if Sageview is recommending that we do this. Mr. Upham replied no.

Mr. Upham stated that Prudential has a program called Goal Maker on the 457 side that is an asset allocation tool that the participants can use to create a well balanced diversified allocation, or we can think about target-date funds, but costs and risks to participants would need to be considered.

Director Monin asked if Voya is on Sageview's preferred list. Mr. Upham replied that Sageview does not have a preferred list.

Mr. Upham stated that the current portfolios migrate from one asset allocation portfolio to another over time as participants' age and thresholds are crossed. He further stated that HighMark's fee is approximately 43 basis points for managing these portfolios.

Mr. Upham stated that the majority of the money in the portfolios is in the Income & Growth age range of 50-59, with an Equity Range of 30-50%, and when the participant turns 60, they automatically drop by 15% into the 60 years and over portfolio. He further stated that the stair step approach drops dramatically over time as the participant ages.

Mr. Upham stated that there are 3 ways to solve the challenges; 1) go back to HighMark to consider building additional portfolios, 2) withdraw the use of HighMark and use a technology based platform where manages a smoother more gradual glide path for us, and 3) use a target-date solution which is an off-the-shelf portfolio.

Mr. Cafferty stated that the participants can choose to put funds in either or both of the 401(k) Plan and 457 Plan. He further stated that all of the District's contribution (mandatory and matching) goes into the 401(k) Plan.

Mr. Upham stated that the Capital Preservation Portfolio shows HighMark's benchmarks they use when they meet with the Board. Mr. Upham further stated that ETWD's investment policy statement refers to a Primary Benchmark and a Secondary Benchmark.

Mr. Upham stated that he recommends that HighMark review with staff the District's investment policy statement to clearly identify which benchmark is to be considered primary and/or consider eliminating one of the benchmarks

Mr. Upham stated that Sageview created a benchmark and the difference is that the Capital Preservation Benchmark that HighMark is using is taking benchmarks that match up with each of these underlying investment options and

asset categories. He further stated that Sageview reviewed how successful HighMark was at asset allocation with U.S. funds, International, and Fixed Income.

Mr. Upham stated that they also included a standard Target-Date fund benchmark.

President Goldman asked if these are net of fees. Mr. Upham replied yes.

Director Monin asked how many firms use Primary and Secondary Benchmarks. Mr. Upham replied not often. President Goldman stated that the Secondary Benchmark was created for one of the past Directors who didn't feel that the Primary Benchmark was providing any benefit to the portfolios.

Mr. Stewart stated that the Secondary Benchmark includes a component that includes alternatives, where the Primary Benchmark does not.

Mr. Upham stated that Sageview has their own proprietary way that they evaluate Mutual Funds, which includes a summary ranking score. He further stated that on a whole these funds are performing above medium.

Director Monin asked what is their proprietary way they evaluate funds. Mr. Upham replied that they take 9 measures to evaluate investments and mark their returns on a quarterly basis based on 2 different rolling periods of time, using a risk component associated to this, and the expense ratio.

Director Monin asked what "pass" means. Mr. Upham replied that they give a "pass" for index funds because they are based upon expense ratios.

Mr. Upham stated that for the most part the funds are doing a good job.

Mr. Upham stated that the 457 is participant driven and chosen from investment options that are offered to them by Prudential. He further stated that there are approximately 4 funds in the 457 Plan that Sageview feels we should put on the watch list for possible replacement.

President Goldman asked if HighMark reviews the investment funds in the 457 Plan. Mr. Hill replied no.

Mr. Upham stated that Sageview's recommendations include:

1. Consider a more gradual glide path or additional portfolios
2. Review the conservative nature of HighMark portfolios
3. Review and negotiate the HighMark management fees
4. Update the IPS and investment review documents to reflect the appropriate reference benchmark
5. Request HighMark address the fixed income credit profile in portfolios and Sageviews observations of the Artisan mid Cap and Fidelity Small Cap Discovery funds
6. Request feedback on using index funds in some categories
7. 457 Plan establishing a process for monitoring the plan investment options in addition to working with Prudential to reduce expense ratios of current plan options
8. Consider remaining with Prudential for plan administration due to their ability to handle current unique portfolio structure with HighMark

Director Vergara asked what he feels we could negotiate down to. Mr. Upham stated that the Board should negotiate with HighMark for possibly reduce the fee by 10-20 basis points.

Director Adjarian asked if Sageview could negotiate on ETWD's behalf. Mr. Upham replied yes.

Director Monin asked how much of an average portfolio is passive. Mr. Stewart replied that approximately 60% of portfolios are mostly passive.

Mr. Hill stated that the more portfolios added could increase the HighMark fee.

Director Monin stated that by adding funds to the 457 Plan and getting rid of the Prudential investments and Vanguard, we could possibly lower the fees.

President Goldman asked if staff is asking for additional feedback. Mr. Hill replied that staff would like to meet with HighMark and Prudential, and continue assistance from Sageview.

Director Monin asked if we pay Sageview a flat fee. Mr. Hill replied that we have a fee of \$20,000 for this particular project. Mr. Upham stated that they work on a flat fee basis, and are willing to work with the District depending on the need.

Director Monin asked Ms. Cimorell if she has any complaints from participants. Ms. Cimorell replied no.

At approximately 8:53 o'clock a.m. Mr. Upham left the meeting, and Mr. Stewart disconnected from the teleconference.

Director Comments/Non-agenda Items

Director Adjarian stated that he attended the MWDOC/MET workshop where they discussed a letter from the MWDOC Board to the San Diego County Water Authority regarding the authority's litigation with MET.

Attorney Report

Mr. Granito distributed his notes to staff and the Board on the litigation between Metropolitan Water District of California and the San Diego County Water Authority, and reported that if there are any comments on the notes, we could discuss them at the next regular Board meeting.

Adjournment

There being no further business to come before the Board, the following motion was duly made and passed.

Motion: Director Vergara moved, seconded by Director Monin and unanimously carried across the Board that today's meeting be hereby adjourned at 8:56 o'clock a.m.

President Goldman called for a Roll Call vote.

Roll Call Vote

Director Monin	aye
Director Adjarian	aye
President Goldman	aye
Director Vergara	aye

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

M. SCOTT GOLDMAN, President of
the El Toro Water District and the
Board of Directors thereof

ROBERT R. HILL, Secretary
of the El Toro Water District and
the Board of Directors thereof

ETWD MEMORANDUM

TO: BOARD OF DIRECTORS

FROM: FINANCE MANAGER/CONTROLLER

SUBJECT: ACTUARIAL VALUATION (GASB 43/45)

DATE: OCTOBER 24, 2017

Currently the District offers a post-retirement medical insurance benefit to employees who, at retirement, meet certain requirements. The District pays for this benefit on a “pay-as-you-go” basis. Generally Accepted Accounting Principles dictate that, in addition to recognizing the expense associated with the current benefits (“pay-as-you-go”), the District record a liability on the books and records so that ultimately the full amount of the liability or promise to the employees is recorded on the books.

The liability as of July 1, 2016 is \$11,262,329, the date of the most recent actuarial valuation (see attached 2016 actuarial valuation). This is referred to as the Accrued Liability and represents the amount of the benefit all active and retired employees have “earned” up to July 2016. The amount is influenced by many factors including years of service of all active employees, the predicted cost of medical insurance in the future, the life expectancy of active and retired employees, employee turnover, and the discount rate or a prediction of earnings on investments. The actuaries also calculate how much that liability will grow, net of what we are paying annually.

Of the total Accrued Liability of \$11,262,329 at June 30, 2017, the date of our last fiscal year, the District reflected an Accrued Liability of \$5,611,800 on our books and records. That amounts will increase annually until the full amount of the Accrued Liability is reflected.

The amount of the Accrued Liability and how much is recorded on the books and records of the District is determined by independent consulting actuarial valuations performed every three years.

As noted on the most current valuation, the amounts are determined based on the number of active and retired employees. After understanding our benefit schedule, the actuary then estimates how many employees will actually work until retirement age and qualify for benefits, they will estimate at what age the employees will actually retire, they will determine the benefits to be paid (medical insurance premiums) at date of retirement, they’ll estimate premium inflation and how long each retired employee will collect benefits. All of these projections will be based on actuarial assumptions which are calculated at the end of the report.

In addition to determining the Accrued Liability and annual additional accruals, the actuary's have included funding options for the District's consideration. As previously noted, the District satisfies its obligation to the employees on a pay-as-you-go basis. There are other options which the District can consider. The District has the option of establishing and funding an irrevocable trust which would set money aside to pay the benefits when employees retired. The benefits of such a trust would include a guaranteed funding source for the satisfaction of the obligation to the employees and the opportunity to earn a more favorable rate of return on the funds since irrevocable trusts do not have the same investment limitations that the District has on its general reserves.

Alternative funding options can be a discussion during the 2018/19 budget process.

Recommended Action: Staff recommends that the Board Receive and File the ETWD 2016 Actuarial Valuation.



El Toro Water District

GASB 45 Actuarial Report

As of July 1, 2016

Presenter: Carlos Diaz



Plan Provisions

Tier 1 – Medicare

Hired prior to April 1, 2001 and
Retired prior to April 1, 2001

Eligibility: Age 65 (or SSNRA)
& 15 years of continuous
employment

District covers retirees under a
Medicare Supplement Plan

District pays full cost for retiree

Retiree pays full cost for
spouse/domestic partner

Tier 2 – Medicare

Hired prior to April 1, 2001 and
Retired on or after April 1, 2001

Eligibility: Age 65 & 10 years of
continuous employment

District covers retiree and
spouse/domestic partner under
Medicare Supplement Plan

District & retiree share in cost
for both retiree and
spouse/domestic partner

Tier 2 – Early Retirement

Hired prior to April 1, 2001 and
Retired on or after April 1, 2001

Eligibility: Age 55 & 10 years of
continuous employment

District covers retiree and
spouse/domestic partner under
Active Employee Group
Medical until 65 (and Medicare
Supplement after 65)

District & retiree share in cost
for both retiree and
spouse/domestic partner



Plan Provisions

Tier 3 – Medicare

Hired April 1, 2001 through
June 1, 2008

Eligibility: Age 65 & 10 years of
continuous employment

District covers retiree and
spouse/domestic partner under
Medicare Supplement Plan

District & retiree share in cost
for both retiree and
spouse/domestic partner

Tier 3 – Early Retirement

Hired April 1, 2001 through
June 1, 2008

Eligibility: Age 55 & 10 years of
continuous employment

District covers retiree and
spouse/domestic partner under
Active Employee Group
Medical until 65 (and Medicare
Supplement after 65)

District & retiree share in cost
for both retiree and
spouse/domestic partner

Tier 4 – Early Retirement

Hired after June 1, 2008

Eligibility: Age 60 & 20 years of
consecutive employment

District covers retiree only
under Active Employee Group
Medical until 65 (and Medicare
Supplement after 65)

District & retiree share in cost
for retiree

Retiree/spouse/domestic
partner pays full cost for
spouse/domestic partner (if
elected)



Plan Provisions

Medical Plans

- Blue Cross HMO, Blue Cross PPO, and Kaiser HMO
- Offered through the Association of California Water Agencies Joint Powers Insurance Authority

Retiree Cost

- 10% for Blue Cross options
- 5% for Kaiser two-party coverage
- No cost for Kaiser single coverage



Census as of June 30, 2016

Retirees

Count: 18

Average age: 70.9

Active

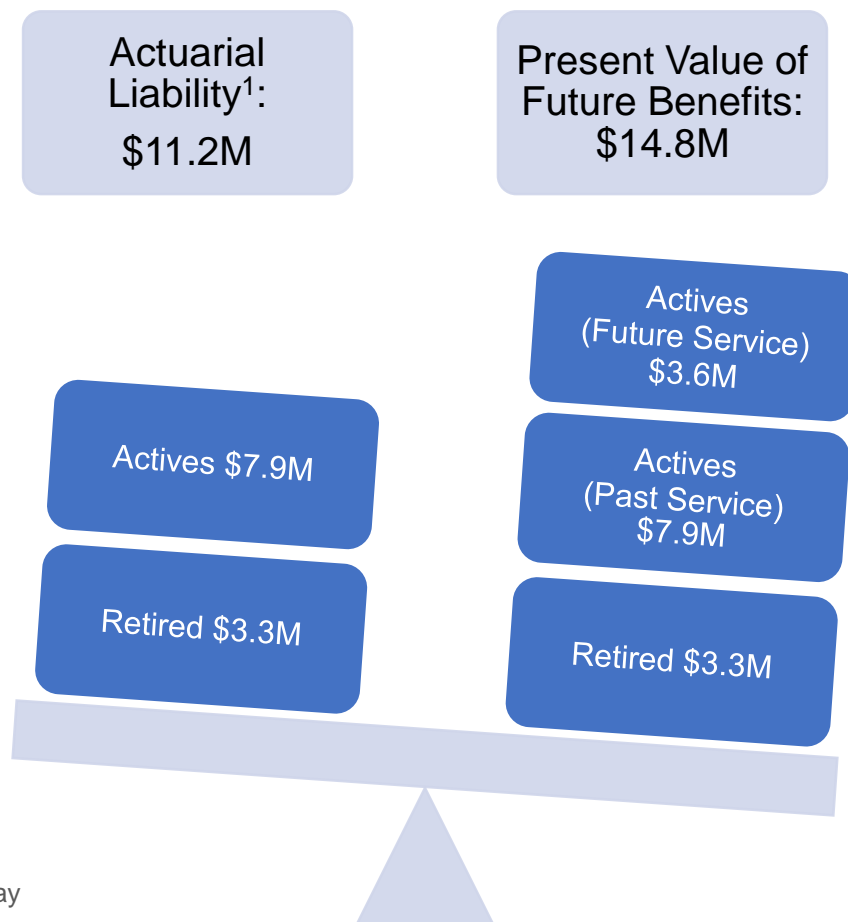
Count: 56

Average age: 49.8

Average service: 15.4



Actuarial Liability Measurements



1. Entry Age, Level Percent of Pay



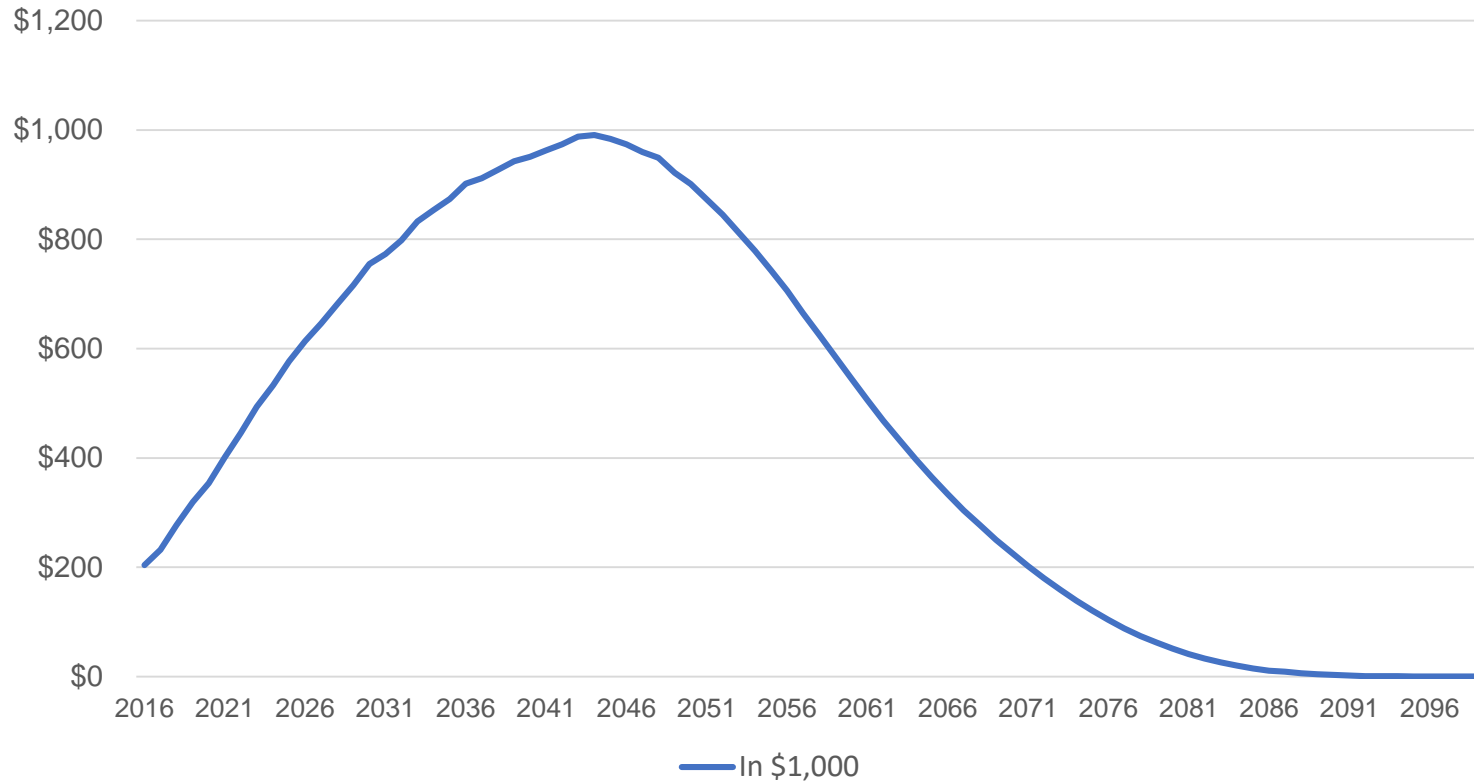
Change in Actuarial Liability¹

Actuarial liability as of July 1, 2013	\$9,358
Passage of time	\$1,925
Increases in premiums less than expected	(1,703)
Change in mortality table	722
Change in trend rates	89
Change in actuarial cost method ²	859
Census loss (retirement, turnover, mortality)	12
Actuarial liability as of July 1, 2016	\$11,262

1. In \$1,000
2. Anticipation of GASB 75



Projected Pay-As-You-Go Cost





Actuarial Assumptions

Economic	Turnover ¹ (Age – Rate)	Mortality – Male (Age – Rate ²)	Mortality – Female (Age – Rate ²)	Retirement (Age – Rate)
Discount: 4.00%	35 – 6.3%	35 – 0.52	35 – 0.29	55 – 5%
Salary Scale: 3.00%	45 – 4.0%	45 – 0.97	45 – 0.66	59 – 10%
Trend Rate: 6%/5%	55 – 0.9%	55 – 2.79	55 – 1.67	60 – 12%
		65 – 11.01	65 – 8.05	62 – 20%
		75 – 26.83	75 – 20.94	65 – 40%
		85 – 77.50	85 – 60.50	67 – 70%
				70 – 100%

1. Crocker-Sarason Table T-5

2. Deaths per 1,000 lives.

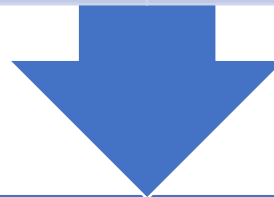


GASB Accounting

GASB 45

Net OPEB Obligation (\$5.0M)
Accumulation of Annual OPEB Cost in excess
actual annual employer contributions

Annual OPEB Cost =
Annual Required Contribution (Service Cost plus
Amortization of Unfunded Liability) plus
Adjustments



GASB 75

(Fiscal Years after 6/15/17)

Total OPEB Liability (\$11.2M)
Net Pension Liability, if funded

Annual Pension Expense =
Change in TOL (or NPL), plus
Change in Deferred Inflows/Outflows

Prefunding

Advantages

- Offset Total OPEB liability under GASB 75
- Assets can be used to offset contributions or increasing costs (healthcare/actuarial)
- Investments can be diversified to achieve target rate of return (above bond yields)
- Protect funds from being used elsewhere

Process (Sample)

- Considerations
 - Availability of funds
 - Market conditions
 - Impact on financial statement
 - Duration of liabilities
- Governance
- Asset allocation (asset-liability analysis)
- Investment policy
- Manager selection
- Monitoring

Institutions

- Public Agency Retirement Systems (PARS)
- Self-Insured Schools of California (SISC)
- CalPERS' California Employers' Retiree Benefit Trust Fund (CERBT)
- Others



Disclaimer and Certification

The results set forth in this presentation are based on our actuarial valuation of the health and welfare benefit plans of the El Toro Water District ("District") as of July 1, 2016. The valuation was performed in accordance with generally accepted actuarial principles and practices. We relied on census data for active employees and retirees provided to us by the District in June, 2017. We also made use of claims, premium, expense, and enrollment data, and copies of relevant sections of healthcare documents provided to us by the District.

The assumptions used in performing the valuation, as summarized in our actuarial report (dated August 14, 2017), and the results based thereupon, represent our best estimate of the actuarial costs of the program under GASB 43 and GASB 45, and the existing and proposed Actuarial Standards of Practice for measuring post-retirement healthcare benefits.

Future actuarial measurements may differ significantly from the current measurements presented in the report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; changes in actuarial policies; and changes in plan provisions or applicable law.

The measurements and information presented above may not be applicable for other purposes. The District should contact Demsey Filliger before disseminating any portion of this presentation for any reason that is not explicitly described above.

Carlos Diaz meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained in this presentation.



August 14, 2017

Ms. Neely Shahbakhti
Finance Manager / Controller
El Toro Water District
P.O. Box 4000
Laguna Hills, CA 92654-4000

Re: El Toro Water District ("District") GASB 45 Valuation

Dear Ms. Shahbakhti:

This report sets forth the results of our GASB 45 actuarial valuation of the District's retiree health insurance program as of July 1, 2016.

In June, 2004 the Governmental Accounting Standards Board (GASB) issued its final accrual accounting standards for retiree healthcare benefits, GASB 43 and GASB 45. GASB 43/45 require public employers such as the District to perform periodic actuarial valuations to measure and disclose their retiree healthcare liabilities for the financial statements of both the employer and the trust, if any, set aside to pre-fund these liabilities. The District must obtain actuarial valuations of its retiree health insurance program under GASB 43/45 not less frequently than once every three years.

To accomplish these objectives the District selected Demsey, Filliger and Associates (DF&A) to perform an actuarial valuation of the retiree health insurance program as of July 1, 2016. This report may be compared with the valuation performed by DF&A as of July 1, 2013, to see how the liabilities have changed since the last valuation. We are available to answer any questions the District may have concerning the report.

Financial Results

We have determined that the amount of actuarial liability for District-paid retiree benefits is \$14,838,019 as of July 1, 2016. This represents the present value of all benefits expected to be paid by the District for its current and future retirees. If the District were to place this amount in a fund earning interest at the rate of 4.0% per year, and all other actuarial assumptions were exactly met, the fund would have exactly enough to pay all expected benefits.

This includes benefits for 18 retirees as well as 56 active employees who may become eligible to retire and receive benefits in the future. It excludes employees hired after the valuation date.

When we apportion the \$14,838,019 into past service and future service components under the Entry Age, Level Percent of Pay Cost Method, the past service liability (or "Accrued Liability") component is \$11,262,329 as of July 1, 2016. This represents the present value of all benefits accrued through the valuation date assuming that each employee's liability is expensed from hire date until retirement date as a level percentage of pay. The \$11,262,329 is comprised of liabilities of \$7,943,785 for active employees and \$3,318,544 for retirees. Because the District has not established an irrevocable trust for the pre-funding of retiree healthcare benefits, the Unfunded Accrued Liability (called the UAL, equal to the AL less Assets) is also \$11,262,329.

We have determined that El Toro Water District's "Annual Required Contributions", or "ARC", for the fiscal year 2016-17, is \$810,674. The \$810,674 is comprised of the present value of benefits accruing in the current year, called the "Service Cost", and a 30-year amortization of the UAL. We estimate that the District paid approximately \$203,846 for the 2016-17 fiscal year in healthcare costs for its retirees, so the difference between the accrual accounting expense (ARC) and pay-as-you-go is an increase of \$606,828.

There are two adjustments to the ARC that are required in order to determine the District's Annual OPEB Cost (AOC) for the 2016-17 fiscal year. We have calculated these adjustments based on a Net OPEB Obligation of \$4,975,000 as of June 30, 2016, resulting in an AOC for 2016-17 of \$811,963.

We show these numbers in the table on the next page and in Exhibit I. All amounts are net of expected future retiree contributions, if any.

El Toro Water District
Annual Liabilities and Expense under
GASB 45 Accrual Accounting Standard
Entry Age, Level Percent of Pay Cost Method

Item	Amounts for Fiscal 2016-17
Present Value of Future Benefits (PVFB)	
Active	\$11,519,475
Retired	<u>3,318,544</u>
Total: PVFB	\$14,838,019
Accrued Liability (AL)	
Actives	\$7,943,785
Retired	<u>3,318,544</u>
Total: AL	\$11,262,329
Assets	<u>(0)</u>
Total: Unfunded AL	\$11,262,329
Annual Required Contributions (ARC)	
Service Cost At Year-End	\$363,098
30-year Amortization of Unfunded AL	<u>447,576</u>
Total: ARC	\$810,674
Adjustments to ARC	
Interest on Net OPEB Obligation*	199,000
Adjustment to ARC*	<u>(197,711)</u>
Total: Annual OPEB Cost (AOC) for 2016-17	\$811,963

*Amounts based on June 30, 2016 Net OPEB Obligation of \$4,975,000.

The ARC of \$810,674, shown above, should be used for the 2016-17 fiscal year, but the Annual OPEB Costs must include adjustments based on the Net OPEB Obligations as reported in the prior financial statements, which are not known precisely in advance.

When the District begins preparation of the June 30, 2016 government-wide financial statements, DF&A will provide the District and its auditors with complimentary assistance in preparation of footnotes and required supplemental information for compliance with GASB 45 (and GASB 43, if applicable).

Differences from Prior Valuation

The most recent prior valuation was completed by DF&A as of July 1, 2013. The Accrued Liability as of that date was \$9,358,165, compared to \$11,262,329 on July 1, 2016. This Accrued Liability (AL) is for District-paid benefits only; that is, it is net of expected future retiree contributions. In this section, we provide a reconciliation between the 2013 AL and the 2016 AL, so that it is possible to track the numbers from one actuarial report to the next.

Several factors have caused the AL to change since 2016. The AL increases with the passage of time as employees accrue more service and get closer to receiving benefits, and decreases as outstanding benefit obligations to retirees are satisfied. There are actuarial gains/losses from one valuation to the next, and changes in actuarial assumptions and methodology for the current valuation. The most important of these factors were as follows:

1. There was a gain (a decrease in the AL) of \$1,703,166 from increases in healthcare premiums less than expected.
2. We changed to more up-to-date mortality tables. This change increased the AL by \$721,827.
3. We increased the initial healthcare trend rate from 5% to 6% to better reflect our expectations of premium increases over the next several years. This change increased the AL by \$89,398.
4. We changed the actuarial cost method from Projected Unit Credit to Entry Age, Level Percent of Pay, in anticipation of GASB 75. This change increased the AL by \$859,567.
5. There was a net census gain (an decrease in AL) of \$11,917.

The changes to the AL since the July 1, 2013 valuation may be summarized as follows:

Change to AL	AL
AL as of 7/1/13	\$9,358,165
Passage of time	1,924,621
Increases in premiums < expected	(1,703,166)
Change in mortality tables	721,827
Change in trend rates	89,398
Change in actuarial cost method	859,567
Census loss (retirement, turnover, mortality)	11,917
AL as of 7/1/16	\$11,262,329

Funding Schedules

There are many ways to approach the pre-funding of retiree healthcare benefits. In the *Financial Results* section, we determined the annual expense for all District-paid benefits. The expense is an orderly methodology, developed by the GASB, to account for retiree healthcare benefits. However, the GASB 45 expense has no direct relation to amounts the District may set aside to pre-fund healthcare benefits.

The table on the next page provides the District with three alternative schedules for funding (as contrasted with expensing) retiree healthcare benefits. The schedules all assume that the retiree fund earns, or is otherwise credited with, 4.0% per annum on its investments, and that contributions and benefits are paid mid-year.

The schedules are:

1. A level contribution amount for the next 20 years.
2. A level percent of the Unfunded Accrued Liability.
3. A constant percentage (3%) increase for the next 20 years.

We provide these funding schedules to give the District a sense of the various alternatives available to it to pre-fund its retiree healthcare obligation. The three funding schedules are simply three different examples of how the District may choose to spread its costs.

By comparing the schedules, you can see the effect that early pre-funding has on the total amount the District will eventually have to pay. Because of investment earnings on fund assets, the earlier contributions are made, the less the District will have to pay in the long run. Of course, the advantages of pre-funding will have to be weighed against other uses of the money.

The table on the following page shows the required annual outlay under the pay-as-you-go method and each of the above schedules. **The three funding schedules include the "pay-as-you-go" costs; therefore, the amount of pre-funding is the excess over the "pay-as-you-go" amount.**

These numbers are computed on a closed group basis, assuming no new entrants, and using unadjusted premiums. We use unadjusted premiums for these funding schedules because we do not recommend that the District pre-fund for the full age-adjusted costs reflected in the GASB 45 liabilities shown in the first section of this report. If the District's premium structure changes in the future to explicitly charge under-age 65 retirees for the full actuarial cost of their benefits, this change will be offset by a lowering of the active employee rates (all else remaining equal), resulting in a direct reduction in District operating expenses on behalf of active employees from that point forward. For this reason among others, we believe that pre-funding of the full GASB liability would be redundant.

El Toro Water District

Sample Funding Schedules (Closed Group)

Fiscal Year	Pay-as-you-go	Level Contribution for 20 years	Level % of Unfunded Liability	Constant Percentage Increase
Beginning				
2016	\$203,846	\$1,032,308	\$707,245	\$755,602
2017	232,243	1,032,308	699,924	778,270
2018	277,199	1,032,308	693,220	801,618
2019	318,513	1,032,308	687,286	825,667
2020	353,794	1,032,308	682,001	850,437
2021	400,962	1,032,308	677,229	875,950
2022	445,944	1,032,308	673,038	902,228
2023	494,179	1,032,308	669,329	929,295
2024	532,891	1,032,308	666,061	957,174
2025	576,702	1,032,308	663,068	985,889
2026	613,818	1,032,308	660,334	1,015,466
2027	646,286	1,032,308	657,735	1,045,930
2028	680,917	1,032,308	655,180	1,077,308
2029	716,223	1,032,308	652,636	1,109,627
2030	755,147	1,032,308	650,058	1,142,916
2031	772,832	1,032,308	647,417	1,177,203
2032	798,208	1,032,308	644,530	1,212,519
2033	833,098	1,032,308	641,417	1,248,895
2034	853,695	1,032,308	638,093	1,286,362
2035	874,163	1,032,308	634,443	1,324,953
2036	902,139	0	630,440	0
2037	911,715	0	626,086	0
2038	926,960	0	621,286	0
2039	943,323	0	616,046	0
2040	950,512	0	610,351	0
2041	962,911	0	604,165	0
2042	974,241	0	597,489	0
2043	987,737	0	590,307	0
2044	990,784	0	553,707	0
2045	983,815	0	572,740	0
2046	973,705	0	558,976	0
2047	959,735	0	545,542	0
2048	948,779	0	532,432	0
2049	922,351	0	519,637	0
2050	901,226	0	507,149	0
2055	743,222	0	405,973	0
2060	545,346	0	262,300	0
2065	364,659	0	155,194	0
2070	225,596	0	81,905	0
2075	121,057	0	36,172	0
2080	50,569	0	50,569	0

Note to auditor: when calculating the employer OPEB contribution for the year ending on the statement date, we recommend multiplying the actual District-paid premiums on behalf of retirees by a factor of 1.0272 to adjust for the implicit subsidy.

*Reverts to pay-as-you go in 2080

Actuarial Assumptions

In order to perform the valuation, the actuary must make certain assumptions regarding such items as rates of employee turnover, retirement, and mortality, as well as economic assumptions regarding healthcare inflation and interest rates. Our assumptions are based on a standard set of assumptions we have used for similar valuations, modified as appropriate for the District. For example, turnover rates are taken from a standard actuarial table, T-5, without adjustment. This matches the District's historic turnover patterns. Retirement rates were also based on recent District retirement patterns. Both assumptions should be reviewed in the next valuation to see if they are tracking well with experience.

The discount rate of 4.0% is based on our best estimate of expected long-term plan experience. It is in accordance with our understanding of the guidelines for selection of this rate under GASB 45 for unfunded plans such as the District's. The healthcare trend rates are based on our analysis of recent District experience and our knowledge of the general healthcare environment.

A complete description of the actuarial assumptions used in the valuation is set forth in the "Actuarial Assumptions" section.

Projected Annual Pay-as-you go Costs

As part of the valuation, we prepared a projection of the expected annual cost to the District to pay benefits on behalf of its retirees on a pay-as-you-go basis. These numbers are computed on a closed group basis, assuming no new entrants, and are net of retiree contributions. Projected pay-as-you-go costs for selected years are as follows:

FYB	Pay-as-you-go
2016	\$203,846
2017	232,243
2018	277,199
2019	318,513
2020	353,794
2025	576,702
2030	755,147
2035	874,163
2040	950,512
2045	983,815
2050	901,226
2055	743,222
2060	545,346
2065	364,659
2070	225,596
2075	121,057
2080	50,569

Net OPEB Obligation and Annual OPEB Cost (AOC)

Exhibit I shows a development of the District's Net OPEB Obligation as of June 30, 2010 through June 30, 2016, and the Annual OPEB Cost ("AOC") for the fiscal years 2010-11 through 2016-17.

Certification

The actuarial certification, including a caveat regarding limitations of scope, if any, is contained in the "Actuarial Certification" section at the end of the report.

We have enjoyed working with the District on this report, and are available to answer any questions you may have concerning any information contained herein.

Sincerely,
DEMSEY, FILLIGER AND ASSOCIATES

Handwritten signatures of Brian R. Demsey and Michael J. Tierney in cursive script.

Brian R. Demsey
Consulting Actuary

Michael J. Tierney
ASA, MAAA, FCA, EA 17-1337

Benefit Plan Provisions

This report analyzes the health and welfare benefit plans of the District including medical and prescription drug benefits. Current employees, spouses, and all dependents receive District-paid medical insurance through a choice of Blue Cross HMO (CaliforniaCare), Blue Cross Classic Preferred Provider Organization (PPO) and Kaiser HMO, all offered through the Association of California Water Agencies (ACWA) Joint Powers Insurance Authority.

It is the District's policy to extend medical coverage into retirement beginning at age 55 if the employee has 10 consecutive years of service. Medical insurance premiums will continue to be paid by the District on behalf of the retiree and covered dependents (or surviving spouse) until the retiree attains age 65. After age 65, retiree and spouse or surviving spouse may elect to continue coverage for their further lifetime at the District's expense under a Medicare-coordinated version of any of the ACWA medical plans. For both pre- and post-Medicare coverage, the retiree is required to pay 10% of the monthly premium for both Blue Cross options, 5% of premium for Kaiser two-party coverage, and \$0 for Kaiser single retiree coverage. This methodology is at the ongoing discretion of the Board.

There is one grandfathered retiree who retired prior to April 1, 2001 and who is not covered under the ACWA plans. Instead, these retirees receive reimbursement for the costs of their individual Medicare supplemental insurance policies. They are not charged the monthly premiums that are applicable to post-2001 retirees (as well as to all active employees.)

Employees hired on or after June 1, 2008 are subject to an eligibility requirement of the later of age 60 and 20 years of continuous full-time employment, and are not eligible to receive District contributions on behalf of covered dependents.

The following tables summarize the monthly premiums for medical coverages for the 2017 calendar year for the ACWA medical options:

Employees and Early Retirees	Blue Cross HMO	Blue Cross Classic PPO	Kaiser HMO
Employee/Retiree	\$701.55	\$816.06	\$538.43
Emp./Ret. + 1	1,393.20	1,662.54	1,066.97
Emp./Ret. + 2+	1,868.30	2,234.93	1,505.65

Medicare-eligible Retirees	Blue Cross HMO	Blue Cross Classic PPO	Kaiser HMO
Retiree	\$492.89	\$520.45	\$176.40
Retiree + 1	975.95	1,056.55	342.91
Retiree + 2+	N/A	N/A	N/A

Valuation Data

Active and Retiree Census

Age distribution of retirees and surviving spouses included in the valuation

Age	Count
Under 55	0
55-59	0
60-64	2
65-69	6
70-74	7
75-79	2
80-84	0
85-89	1
90+	<u>0</u>
Total	18
Average Age	70.94

Age/Years of service distribution of active employees included in the valuation

Years→	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35+	Total
<u>Age</u>									
<25	1								1
25-29	1	0							1
30-34	1	1	0						2
35-39	4	0	3	1					8
40-44	3	0	1	0	0				4
45-49	3	0	0	2	0	2			7
50-54	1	3	1	3	0	4	1		13
55-59	0	2	1	1	0	3	3	1	11
60-64	2	0	0	2	0	1	2	0	7
65+	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>2</u>
All Ages	16	6	6	9	0	11	6	2	56

Average Age: 49.84
Average Service: 15.39

Actuarial Assumptions

The liabilities set forth in this report are based on the actuarial assumptions described in this section.

Valuation Date:	July 1, 2016
Actuarial Cost Method:	Entry Age, Level Percent of Pay
Amortization Method:	30-year level percent of pay, open period
Discount Rate:	4.0% per annum
Salary Increases:	3.0% per annum
Pre-retirement Turnover:	According to the Crocker-Sarason Table T-5 less mortality, without adjustment. Sample rates are as follows:

Age	Turnover (%)
25	7.7%
30	7.2
35	6.3
40	5.2
45	4.0
50	2.6
55	0.9

Pre-retirement Mortality: RP-2014 Employee Mortality, without projection. Sample deaths per 1,000 employees are as follows:

Age	Males	Females
25	0.48	0.17
30	0.45	0.22
35	0.52	0.29
40	0.63	0.40
45	0.97	0.66
50	1.69	1.10
55	2.79	1.67
60	4.69	2.44

Post-retirement Mortality: RP-2014 Healthy Annuitant Mortality, without projection. Sample deaths per 1,000 retirees are as follows:

Age	Males	Females
55	5.74	3.62
60	7.78	5.19
65	11.01	8.05
70	16.77	12.87
75	26.83	20.94
80	44.72	34.84
85	77.50	60.50
90	135.91	107.13

<p align="center">Actuarial Assumptions (Continued)</p>
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Claim Cost per Retiree or Spouse:

Age	Medical/Rx
50	\$11,865
55	13,755
60	15,946
64	17,947
65	5,287
70	5,696

Retirement Rates:

Age	Percent Retiring*
55-57	5.0%
58	8.0
59	10.0
60	12.0
61	15.0
62-63	20.0
64	30.0
65	40.0
66	50.0
67	70.0
68	80.0
69	90.0
70	100.0

*Of those having met eligibility for District-paid benefits. The percentage refers to the probability that an active employee reaching the stated age will retire within the following year.

Trend Rate:

Healthcare costs were assumed to increase according to the following schedule:

FYB	Medical/Rx
2016	6.0%
2017+	5.0

Percent Married:

60% of future retirees assumed to have covered spouses. Male spouses assumed 3 years older than female spouses. For current retirees, actual spousal data was used.

Actuarial Certification

The results set forth in this report are based on our actuarial valuation of the health and welfare benefit plans of the El Toro Water District ("District") as of July 1, 2016.

The valuation was performed in accordance with generally accepted actuarial principles and practices. We relied on census data for active employees and retirees provided to us by the District in June, 2017. We also made use of claims, premium, expense, and enrollment data, and copies of relevant sections of healthcare documents provided to us by the District.

The assumptions used in performing the valuation, as summarized in this report, and the results based thereupon, represent our best estimate of the actuarial costs of the program under GASB 43 and GASB 45, and the existing and proposed Actuarial Standards of Practice for measuring post-retirement healthcare benefits. We have assumed no post-valuation mortality improvements, consistent with our belief that there will be no further significant, sustained increases in life expectancy in the United States over the projection period covered by the valuation.

Throughout the report, we have used unrounded numbers, because rounding and the reconciliation of the rounded results would add an additional, and in our opinion unnecessary, layer of complexity to the valuation process. By our publishing of unrounded results, no implication is made as to the degree of precision inherent in those results. Clients and their auditors should use their own judgment as to the desirability of rounding when transferring the results of this valuation report to the clients' financial statements.

The undersigned actuary meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained in this report.

Certified by:
DEMSEY, FILLIGER AND ASSOCIATES



Brian R. Demsey Michael J. Tierney
Consulting Actuary ASA, MAAA, FCA, EA 17-1337

	Amount
Net OPEB Obligation 6/30/2010	885,356
ARC for 2010-11	723,262
Interest on Net OPEB Obligation	44,268
Amortization adjustment to ARC	(57,594)
Annual OPEB Cost 2010-11	709,936
Employer Contribution	(114,265)
Change in Net OPEB Obligation 2010-11	595,671
Net OPEB Obligation 6/30/2010	885,356
Net OPEB Obligation 6/30/2011	1,481,027
ARC for 2011-12	723,262
Interest on Net OPEB Obligation	74,051
Amortization adjustment to ARC	(96,343)
Annual OPEB Cost 2011-12	700,970
Employer Contribution	(121,180)
Change in Net OPEB Obligation 2011-12	579,790
Net OPEB Obligation 6/30/2011	1,481,027
Net OPEB Obligation 6/30/2012	2,060,817
ARC for 2012-13	723,262
Interest on Net OPEB Obligation	103,041
Amortization adjustment to ARC	(134,059)
Annual OPEB Cost 2012-13	692,244
Employer Contribution	(145,678)
Change in Net OPEB Obligation 2012-13	546,566
Net OPEB Obligation 6/30/2012	2,060,817
Net OPEB Obligation 6/30/2013	2,607,383
ARC for 2013-14	963,954
Interest on Net OPEB Obligation	104,295
Amortization adjustment to ARC	(150,785)
Annual OPEB Cost 2013-14	917,464
Employer Contribution	(130,211)
Change in Net OPEB Obligation 2013-14	787,253
Net OPEB Obligation 6/30/2013	2,607,383
Net OPEB Obligation 6/30/2014	3,394,636
ARC for 2014-15	963,954
Interest on Net OPEB Obligation	135,785
Amortization adjustment to ARC	(169,735)
Annual OPEB Cost 2014-15	930,004
Employer Contribution	(138,490)
Change in Net OPEB Obligation 2014-15	791,514
Net OPEB Obligation 6/30/2014	3,394,636
Net OPEB Obligation 6/30/2015	4,186,150
ARC for 2015-16	963,954
Interest on Net OPEB Obligation	167,446
Amortization adjustment to ARC	(207,456)
Annual OPEB Cost 2015-16	923,944
Employer Contribution	(135,094)
Change in Net OPEB Obligation 2015-16	788,850
Net OPEB Obligation 6/30/2015	4,186,150
Net OPEB Obligation 6/30/2016	4,975,000
ARC for 2016-17	810,674
Interest on Net OPEB Obligation	199,000
Amortization adjustment to ARC	(197,711)
Annual OPEB Cost 2016-17	811,963

WATER CAPITAL FACILITIES FEE LANGUAGE REVISION

At the September Board meeting the Board approved Staff's recommended revision to the language in Schedule 2-W of the District's Rules and Regulations defining the Water Supply Charge component of the Water Capital Facilities Fee.

Following the approval of the revision to Schedule 2-W Staff identified a typographical error in the document. The average percentage applied to the City of Los Angeles/Los Angeles County Sanitation Districts flow data to determine the Capital Facilities Fee for restaurants was shown as 53% instead of the correct value of 63% consistent with the percentage used in Schedule 5-S.

In addition to a clean version a redline version of the revised Schedule No. 2-W illustrating the correction of the typographical error is attached, along with Resolution 17-10-1, for reference.

RECOMMENDED ACTION

Recommended Action: Staff recommends that the Board of Directors approve Resolution No. 17-10-1 which adopts a revision to the District's Water Capital Facilities Fee and Amends Schedule 2-W (Capital Facilities Fee) of the District's Rules and Regulations.

RESOLUTION NO. 17-10-1

RESOLUTION OF THE BOARD OF DIRECTORS OF EL TORO WATER DISTRICT REVISING THE WATER CAPITAL FACILITIES FEE AND AMENDING SCHEDULE 2-W OF THE DISTRICT'S RULES AND REGULATIONS

By: Dennis P. Cafferty
Date: October 20, 2017

EL TORO WATER DISTRICT

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Schedule No. 2-W

WATER CAPITAL FACILITIES FEE

Residential and Non-residential Customers

Applicability

Applicable to Residential and Non-residential customers desiring new and/or increased capacity in the El Toro Water District water system.

Water Capital Facilities Fee

- A. The Water Capital Facilities Fee for each new residential and/or non-residential customer shall consist of two components.
1. The Water Capital Facilities Fee – Meter Component, based on capacity in the water distribution system, shall be an amount based on the meter size as follows:

Meter Size	Water Capital Facilities Fee Meter Charge
5/8"	\$2,145
3/4"	\$2,145
1"	\$3,582
1-1/2"	\$8,708
2"	\$21,856

2. The Water Capital Facilities Fee – Water Supply Charge Component (WSC), designed to offset the cost of supply to serve the project, shall be an amount based on the estimated new demand in acre-feet per year (afy) at a rate of \$8,900/afy as follows:

$$\text{WSC (\$)} = \text{Project Demand (afy)} \times \$8,900/\text{afy}$$

- a.) The Project Demand (afy) calculation will make use of the estimated daily volume of sewage determined by the District's engineer. The calculation will assume 95% of domestic water use is returned to the sewer. The Project Demand (afy) will be determined by dividing the calculated volume of sewage generation by 95% as follows:

$$\text{Project Demand (afy)} = \frac{\text{Sewer Vol (gpd)} \times 365 \text{ d/y} \times (\text{af}/325,851 \text{ gal})}{0.95}$$

- b.) As defined in Schedule No. 5-S, the estimated daily volume of sewage will be determined as follows: Prior to service being rendered to establishments in the development, the District's engineer shall determine an estimated daily volume of sewage using characteristic sewage generation factors established by the City of Los Angeles/Los Angeles County Sanitation Districts for various non-residential user classifications as identified in Exhibit 'A'.

The average percentages of 5363% and 44% will be applied to the City of Los Angeles/Los Angeles County Sanitation Districts flow data to determine the estimated daily sewage volume for restaurants and non-restaurant commercials, respectively.

- c.) At the request of the developer, the District will validate the Project Demand using domestic water meter readings after one full year of operation. If the water use totalized over a single one-year period indicates the Project Demand during the single one-year period is different than the Project Demand previously established by the District's engineer, the developer's Capital Facilities Fee would be adjusted accordingly. The one-year period referred to above shall be a period of full operation of the establishment, at full occupancy, as determined by the District.
- d.) The District requires from any prospective commercial or industrial developer, prior to commencement of service to the development, a statement as to the quantity and quality of sewage to be discharged into its system and a statement as to the anticipated water demand. At the option of the District, these statements may be used to any degree in determining the Project Demand.

- B. When customers change their usage and/or when redevelopment occurs, the property will be provided credit for the existing capacity applied to the property. There will not be a charge or credit for downsizing capacity to serve the property. Further, no refunds will be provided when service to the property is terminated and/or removed.
- C. Unless otherwise mutually agreed upon between the District and the customer, the Capital Facilities Fee shall be paid prior to service being provided to the property.

RESOLUTION NO. 17-10-1

RESOLUTION OF THE BOARD OF DIRECTORS
OF EL TORO WATER DISTRICT AMENDING SCHEDULE 2-W
OF THE DISTRICT'S RULES AND REGULATIONS

WHEREAS, the purpose of today's public meeting is to consider the adoption of a revision to Schedule 2-W of the District's Rules and Regulations relative to the data and procedures for calculating the District's Water Capital Facilities Fee; and

WHEREAS, Notice of today's Public Meeting was published in the Orange County Register on October 9th and 16th, 2017, pursuant to Government Code Section 6066.

NOW, THEREFORE, the Board of Directors of the El Toro Water District hereby resolves, determines, and orders that Schedule 2-W of the El Toro Water District's Rules and Regulations in the form and content forth in Exhibit "A" to this Resolution, are hereby approved and adopted effective immediately.

ADOPTED, SIGNED AND APPROVED this 24th day of October, 2017.

SCOTT GOLDMAN, President
El Toro Water District and the
Board of Directors thereof

(SEAL)

ATTEST:

Robert R. Hill, General Manager and Secretary
El Toro Water District and the
Board of Directors thereof

EL TORO WATER DISTRICT

Page 1 of 3

Schedule No. 2-W

WATER CAPITAL FACILITIES FEE

Residential and Non-residential Customers

Applicability

Applicable to Residential and Non-residential customers desiring new and/or increased capacity in the El Toro Water District water system.

Water Capital Facilities Fee

- A. The Water Capital Facilities Fee for each new residential and/or non-residential customer shall consist of two components.
1. The Water Capital Facilities Fee – Meter Component, based on capacity in the water distribution system, shall be an amount based on the meter size as follows:

Meter Size	Water Capital Facilities Fee Meter Charge
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2. The Water Capital Facilities Fee – Water Supply Charge Component (WSC), designed to offset the cost of supply to serve the project, shall be an amount based on the estimated new demand in acre-feet per year (afy) at a rate of \$8,900/afy as follows:

$$\text{WSC (\$)} = \text{Project Demand (afy)} \times \$8,900/\text{afy}$$

- a.) The Project Demand (afy) calculation will make use of the estimated daily volume of sewage determined by the District's engineer. The calculation will assume 95% of domestic water use is returned to the sewer. The Project Demand (afy) will be determined by dividing the calculated volume of sewage generation by 95% as follows:

$$\text{Project Demand (afy)} = \frac{\text{Sewer Vol (gpd)} \times 365 \text{ d/y} \times (\text{af}/325,851 \text{ gal})}{0.95}$$

- b.) As defined in Schedule No. 5-S, the estimated daily volume of sewage will be determined as follows: Prior to service being rendered to establishments in the development, the District's engineer shall determine an estimated daily volume of sewage using characteristic sewage generation factors established by the City of Los Angeles/Los Angeles County Sanitation Districts for various non-residential user classifications as identified in Exhibit 'A'.

The average percentages of 63% and 44% will be applied to the City of Los Angeles/Los Angeles County Sanitation Districts flow data to determine the estimated daily sewage volume for restaurants and non-restaurant commercials, respectively.

- c.) At the request of the developer, the District will validate the Project Demand using domestic water meter readings after one full year of operation. If the water use totalized over a single one-year period indicates the Project Demand during the single one-year period is different than the Project Demand previously established by the District's engineer, the developer's Capital Facilities Fee would be adjusted accordingly. The one-year period referred to above shall be a period of full operation of the establishment, at full occupancy, as determined by the District.
- d.) The District requires from any prospective commercial or industrial developer, prior to commencement of service to the development, a statement as to the quantity and quality of sewage to be discharged into its system and a statement as to the anticipated water demand. At the option of the District, these statements may be used to any degree in determining the Project Demand.

- B. When customers change their usage and/or when redevelopment occurs, the property will be provided credit for the existing capacity applied to the property. There will not be a charge or credit for downsizing capacity to serve the property. Further, no refunds will be provided when service to the property is terminated and/or removed.
- C. Unless otherwise mutually agreed upon between the District and the customer, the Capital Facilities Fee shall be paid prior to service being provided to the property.

RESOLUTION NO. 17-10-2

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE ELTORO WATER DISTRICT
RECOGNIZING LEE BEVILACQUA'S 100TH BIRTHDAY AND
DEDICATION AND SUPPORT OF THE DISTRICT**

WHEREAS, Lee Bevilacqua (Lee) has reached a major milestone in her extraordinary life; and

WHEREAS, Lee proudly served her country through her active service in the United States Marine Corps; and

WHEREAS, Lee has unselfishly dedicated herself to various volunteer roles within the Laguna Woods Village community; and

WHEREAS, Lee participated in and supported Ted F. Martin's role serving as a director of the El Toro Water District Board for 22 years and as its president for 15 of those years; and

NOW THEREFORE BE IT RESOLVED THAT the El Toro Water District does hereby recognize Lee Bevilacqua's 100th Birthday and her dedication and support of Ted F. Martin's role serving as a director of the El Toro Water District Board for 22 years and as its president for 15 of those years.

ADOPTED, SIGNED AND APPROVED this 24th day of October, 2017.

SCOTT GOLDMAN, President
El Toro Water District and the
Board of Directors thereof

(SEAL)

ATTEST:

ROBERT R. HILL
General Manager and Secretary
El Toro Water District and the
Board of Directors thereof

RESOLUTION NO. 17-10-3

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE ELTORO WATER DISTRICT
SUPPORTING THE NOMINATION OF
STEVE LEMAR AS A CANDIDATE FOR THE
POSITION OF ACWA VICE PRESIDENT**

WHEREAS, ACWA has announced that the Nominating Committee has been formed to develop a slate for the Associations statewide positions as President and Vice President; and

WHEREAS, the individual who fills an officer position will need to have working knowledge of water industry issues and concerns, possess strength of character and leadership capabilities, and be experienced in matters related to the performance of the duties of the office; and

WHEREAS, this person must be able to provide the dedication of time and energy to effectively serve in this capacity; and

WHEREAS, Steve LeMar has served in a leadership role as a member of the Irvine Ranch Water District Board of Directors since 2009; and

WHEREAS, Steve LeMar's participation and leadership has led to effective accomplishments in ACWA/State Committees/Work Groups such as the ACWA Energy Committee, the Agricultural Initiative Work Group, the Headwaters Work Group, the AB 2717 Landscape Task Force as the Chair of the Economics Work Group, the 2005 and 2009 Advisory Committees of the California Water Plan, the ACWA Federal Affairs Committee, and the State Water Desalination Task Force; and

WHEREAS, it is the opinion of the El Toro Water District Board of Directors that Steve LeMar possesses all of the qualities needed to fulfill the duties of the ACWA Vice President.

NOW THEREFORE BE IT RESOLVED THAT the El Toro Water District Board wholeheartedly supports Steve LeMar for nomination as a candidate for office of ACWA Vice President.

ADOPTED, SIGNED AND APPROVED this 24th day of October, 2017.

SCOTT GOLDMAN, President
El Toro Water District and the
Board of Directors thereof

(SEAL)

ATTEST:

ROBERT R. HILL
General Manager and Secretary
El Toro Water District and the
Board of Directors thereof



October 18, 2017

Robert Hill
El Toro Water District
PO Box 4000
Laguna Hills, CA 92654

Dear Colleague:

I am pleased to share with you that the Association of California Water Agencies (ACWA) Nominating Committee has selected me as their recommended candidate to serve in the role of ACWA Vice President for the 2018-2019 term. I am excited about having an opportunity to play a leadership role in ACWA and represent your water agency and the other 430 ACWA member agencies in addressing California's increasingly complex water issues. I am writing to respectfully request your agency's support for my candidacy during the ACWA Officer Election at our fall conference.

My experience, in participating on various ACWA committees and in numerous events over the years, has shown me that it is the people that make the difference in the success of our statewide organization. The diversity among water agencies – north/south, east/west, large/small, ag/urban, coastal/mountain, desert/forest – provides a stellar example of the value of collaboration. Statewide, ACWA member agencies have the expertise to solve almost any water issue when given the opportunity. One of the things I enjoy most about being a part of ACWA is being able to learn from water experts from each of our regions. Together we are a mighty force throughout California and together we can solve difficult issues to the benefit of all Californians.

I have attached a brief summary of my experience with ACWA state water task forces and advisory committees. While this experience is indeed important, what I treasure most is having the support of people whom I respect within ACWA – past presidents, fellow ACWA Board members, friends from other water agency boards, general managers and district staff.

Many agencies have already supported my candidacy through resolutions, and I am very grateful for their early votes of confidence. I respectfully ask for an opportunity to represent the best interests of water agencies throughout California and ask for your agency's vote. I look forward to seeing you at our fall conference in Anaheim. Thank you in advance for your support. Please contact me if you have any questions about my candidacy at 714-227-2869.

Respectfully,

Steven E. LaMar
Director

Enclosure: Statement of Qualifications

STEVEN E. LAMAR

Statement of Qualifications for Vice President Association of California Water Agencies

- Inclusive Leadership
- Active Advocacy
- Strong Commitment Water Community

“Seeing things from all perspectives and working together to make a difference. This is not only the best way to forge alliances and make tough policy decisions, it’s essential for good governance.”



Inclusive Leadership: Experience that Counts

Steve LaMar has been a member of the Irvine Ranch Water District (IRWD) Board of Directors since early 2009, serving multiple terms as Board President. In his most recent election, he received support and endorsements from both the business community (e.g., Orange County Business Council, Building Industry Association) and environmental groups (e.g., Orange County League of Conservation Voters, Sierra Club).

Mr. LaMar has also served in leadership roles for the Association of California Water Agencies (ACWA). He is currently a member of its Board of Directors, Chair of the ACWA Federal Affairs Committee, and participates regularly at ACWA’s Executive Committee. He is a past-Chair of ACWA’s Headwaters Task Force. Mr. LaMar is a member of the board of directors of several other water-related organizations, including the National Water Resources Association (representing 17 Western states), the Southern California Water Committee, and CalDesal, and has served on the Board of the National Water Research Institute.

Beyond his water industry involvement, Steve had held leadership positions at a wide range of organizations such as the Natural Communities Coalition of Orange County, a nonprofit organization responsible for implementing California’s first natural community conservation plan and for protecting 37,000 acres of coastal sage scrub habitat, where he is its current Board President. He is also active in the California Building Industry Association, where he has chaired both the Water Resources Committee and Government Affairs Committee.

Active Advocacy: Not Just Words

Mr. LaMar advocates for ACWA’s policies and initiatives not only as the Chair of the ACWA Federal Affairs Committee, but also through his involvement in other key ACWA committees including the Energy Committee, the Agricultural Initiative Work Group, and the Headwaters Work Group.

Steve’s advocacy effectiveness is evidenced by his successful professional career as President of LegiSight, LLC, a legislative advocacy firm for businesses. Prior to forming this firm, he served as the Senior Policy Director for the Irvine Company and the Director of Corporate Affairs for the Mission Viejo Company.

A Long-Term Commitment to the Water Community: Live What You Believe

Mr. LaMar’s commitment to the water community pre-dates his joining the Board of IRWD. He worked on the Delta Vision Stakeholders Coordinating Group as a business representative, the AB 2717 Landscape Task Force as the Chair of the Economics Work Group, the 2005 and 2009 Advisory Committees for the California Water Plan, State Water Desalination Task Force, and Governor Davis’ Drought Advisory Panel.

Serving on the Board of IRWD has provided Mr. LaMar with the knowledge and understanding of what goes into providing retail water service to a broad and diverse community. Steve has applied this knowledge to his involvement with the Southern California Water Committee and memberships in the California Business Properties Association and the California Chamber of Commerce.

Steve LaMar has a Bachelor of Arts in Political Science from Pittsburg State University and an Environmental Management Institute Certificate from the U.S. Environmental Protection Agency.

Irvine Ranch Water District is a large retail water and sewer agency in Orange County California serving 390,000 residents, a 180-square mile area, with approximately 110,000 water and sewer service connections

MEMORANDUM

TO: ACWA Members: General Managers and Board Presidents
CC: ACWA Board of Directors
FROM: Timothy Quinn, ACWA Executive Director
DATE: October 11, 2017
SUBJECT: General Session Membership Meeting at ACWA 2017 Fall Conference

There will be a General Session Membership Meeting at the 2017 Fall Conference in Anaheim, California, on Wednesday, November 29. The meeting will be held in the Platinum Ballroom 1-6, Marriott Anaheim, at 1:20 p.m. The purpose of the meeting is to formally nominate and elect ACWA's President and Vice President for the 2018-2019 term and to conduct a vote by the membership on proposed amendments to ACWA's Bylaws as recommended by the Board of Directors at its meeting on September 29, 2017.

Election of President/Vice President

The ACWA Nominating Committee has announced a 2018-2019 slate that recommends current **Vice President Brent Hastey for ACWA President** and current **Federal Affairs Committee Chair Steven LaMar for ACWA Vice President**. As provided by ACWA's Bylaws (Article 9, Section 9) nominations from the floor will be accepted prior to the vote. Such nominations and seconds must be supported by a resolution of the governing body of the member agency making and seconding such nomination. (See attached for General Session/Election Procedures.)

Proposed Amendments to ACWA's Bylaws

As part of the ongoing efforts to ensure ACWA's Bylaws are current and reflect consistency with other governance documents and daily operations, the Board of Directors is recommending several amendments to the bylaws for consideration by the membership. A Legal Affairs Committee (LAC) Workgroup reviewed the proposed amendments and provided an analysis pursuant to ACWA's Bylaws (Article 9, Section 8).

Following is a list of the proposed amendments to the bylaws along with the rationale for the change and the LAC Workgroup's analysis.

Article 7 – Standing Committees

1. **Section 4. Committee Composition.** Each limited standing committee shall have a membership composition that is comprised of members in the quantity and with qualifications as defined by the provisions of these bylaws. The committee chair position shall not be included in the maximum count for determining the committee composition total of any given limited committee. The committee chair shall, however, be a voting member of their respective committee subject to the rules and procedures of each committee.

Rationale: Staff is recommending this amendment to the bylaws to allow the President flexibility in appointing members to limited standing committees and to provide an odd number committee composition total.

LAC Workgroup Analysis: The proposed revision is clear and meets its intended purpose.

2. **Committee Composition Terms in Sections 5 through 17.**

Rationale. Staff noted that the use of the term “individual” versus “representative” (and one instance of “member”) was inconsistent throughout the committee composition description for each of the standing committees in Article 7. Staff asked the LAC Workgroup to review Section 1, Qualifications, as well as each of the committee descriptions to make a determination as to which term best applies for all of the committees for purposes of consistency throughout Article 7.

LAC Workgroup Analysis: Reading of the various ACWA committee sections suggests that “Member” would be the most appropriate word for consistency throughout the bylaws. However, the use of a single term, may require some minor revisions to surrounding text for clarity (for an example see Section 15 (State Legislative Committee) where “member” is separately used to denote a “member agency” and so would need to state “member-agency” consistently to accommodate the more general use of “member” throughout the bylaws).

Staff Response: Staff revised the terms in the committee section descriptions (Sections 5 through 17) to “member” for consistency and the surrounding language where needed in response to the LAC Workgroup’s analysis. (See attached bylaws for proposed amendments to these sections.)

3. **Section 5. Agriculture Committee.** There shall be an Agriculture Committee whose duty it shall be to recommend Association policy, positions and programs to the Board of Directors, State Legislative Committee, Federal Affairs Committee or other committees, as appropriate, regarding agricultural issues affecting the interests of ACWA and its members. The committee shall consist of at least one member from each region.

Rationale: The 2016-2017 Business and Strategic Plan initiative to increase involvement and engagement from ACWA's agricultural members has successfully generated momentum amongst ACWA's agricultural members and a renewed attention to and involvement in key policy issues that uniquely affect agricultural water suppliers. Amidst this success, a concern has arisen that the momentum could be lost once the Board of Directors finishes its current term and the initiative sunsets. This concern has sparked the suggestion that ACWA should consider creating an Agriculture Committee as the thirteenth standing committee of the Association to continue the objectives of the Ag Initiative long-term.

LAC Workgroup Analysis: The proposed revision is clean and meets its intended purpose.

4. **Section 12. Legal Affairs Committee.** There shall be a Legal Affairs Committee whose duty it shall be to support the mission of the Association, and more particularly to deal with requests for assistance involving legal matters of significance to members ~~of the Association~~ agencies, including but not limited to state and federal court litigation, water rights matters, selected regulatory and resources agency matters, proposed bylaw revisions, review of legislation as requested by the State Legislative Committee, etc. The committee shall consider matters and issues submitted to it in order to determine which ones are of major significance to the members ~~of the Association~~ agencies and, assuming a finding of major significance, recommend to the Board of Directors the position(s) which the committee believes the Association should take with respect thereto. The committee shall be composed of between ~~35~~ 34 and ~~45~~ 44 attorneys, each of whom shall be a member of the California Bar and shall be, or act as, counsel for a member ~~of the Association~~ agency, representing diverse interests within the Association, including but not limited to, different geographical areas throughout the state, large and small agencies, agricultural and urban agencies, agencies created under the various enabling statutes, etc. ~~Further, there shall be at least one representative from each region on the committee.~~ The committee shall consist of a least one member from each region.

Rationale: Change the committee composition range so there is a resulting odd number total when the chair is added.

LAC Workgroup Analysis: Considered together with the general change in Section 4, Committee Composition, above, this change accomplishes its purposes and maintains the current overall LAC membership numbers.

Article 9 – Meeting of Members

5. **Section 8. Amendments, Revisions, and Resolutions.** Before any amendments or revisions to the bylaws, or resolutions, may be considered at any meeting of the Association, any such amendment, revision, or resolution shall be submitted to the executive director/secretary at least ~~30~~ 90 days prior to the first day of such meeting. The executive director/secretary shall promptly distribute any



proposed amendments or revisions to the Legal Affairs Committee for the Legal Affairs Committee to develop an unbiased analysis of the amendments or revisions. Following development of an analysis for the proposed amendments or revisions, the executive director/secretary shall distribute copies of any resolutions, amendments or revisions, including any applicable analyses, to all members of the Association ~~at least five~~ not less than 10 days or more than 90 days prior to presentation at such meeting. The written notice of the membership meeting shall be given to each voting member of the Association consistent with the provisions defined in Section 3. The ~~30~~ 90-day rule may be suspended at any meeting of the Association by consent of three-fourths of the members present. Voting on resolutions, amendments, or revisions shall proceed as provided by Sections ~~3~~ 5 and ~~4~~ 6 of this Article.

Rationale: Staff recommended that the deadline for submitting requests for amendments, revisions, and resolutions be changed from 30 to 120 days prior to any membership meeting to provide the Legal Affairs Committee sufficient time to review and develop the required analysis and for staff to provide adequate notice to the members as set forth in Article 9, Sections 3 and 4 of the bylaws. **Note: Staff typically notifies ACWA members at least 45 days prior to a given membership meeting to allow the member agency boards adequate time to designate their authorized voting representative.**

LAC Workgroup Analysis: This proposed revision is clear and meets its intended purpose. However, workgroup members did express some concern that the 120-day submission requirement may unduly limit the Association's ability to quickly respond to state or federal legislative or administrative acts appropriately. A supermajority of the Association may vote to suspend the requirement, however, it may be advisable to require only 90-days for submission while retaining the general Association distribution timing of no later than 10-days and no earlier than 90-days prior to presentation at an Association meeting.

Staff Response: Staff revised the proposed amendment to state 90 days instead of 120 days in response to the LAC Workgroup's analysis.

The Board of Directors recommends adoption of the proposed amendments to ACWA's Bylaws through a vote of the membership.

Webinar on Proposed Amendments to Bylaws

ACWA staff is hosting a webinar on **Tuesday, November 7, at 10:00 a.m.** in advance of the membership meeting to answer any questions members may have pertaining to the proposed amendments to the bylaws. Please register for the webinar at the link listed below:

Please register for Bylaws Webinar on Nov 07, 2017 10:00 AM PST at:

<https://attendee.gotowebinar.com/register/18153322847132675>

After registering, you will receive a confirmation email containing information about joining the webinar.



Membership Voting Process

ACWA will issue each member agency **present** one proxy card for voting purposes based on the designated voting representative identified by the member agency on the proxy designation form. The designated voting representative is required to register and sign as the proxy holder to receive the proxy card. Proxy cards will **only** be available for pick-up on **Wednesday, November 29**, between **9:00 a.m. and 12:00 p.m.** at the **ACWA General Session Desk** in the main foyer outside of the **Marquis Ballroom Center, Marriott Anaheim**. The luncheon and General Session Membership Meeting will be held in the Platinum Ballroom 1-6.

To expedite the sign-in process at the **ACWA General Session Desk**, please indicate your voting delegate on the enclosed proxy designation form and return it by email (donnap@acwa.com) or fax **(916-325-4857)** at your earliest convenience prior to conference. If there is a last minute change of delegate, please let us know before the meeting date by contacting ACWA's Clerk of the Board, Donna Pangborn, at 916-441-4545 or donnap@acwa.com.

If you have any questions regarding this process, please contact Clerk of the Board Donna Pangborn at the ACWA office at 916-441-4545 or donnap@acwa.com.

dgp

Enclosures:

1. General Session/Election Procedures
2. Proposed ACWA Bylaws Amendments – Redline Version
3. Proxy Designation Form

GENERAL SESSION/ELECTION PROCEDURES FOR ACWA 2017 FALL CONFERENCE

The following information is provided to inform the ACWA member agency delegates attending the 2017 Fall Conference of the procedures to be used pertaining to the nomination and election of ACWA officers and the vote by the membership on proposed amendments to the bylaws during the General Session Membership Meeting.

PROXY CARDS – (REQUIRED FOR VOTING)

ACWA will issue each member agency **present** one proxy card for voting purposes based on the designated voting representative identified by the member agency. In order to vote during the General Session Membership Meeting, the designated voting representative is required to register and sign as the proxy holder by 12:00 p.m. on Wednesday, November 29. Upon registration and sign-in, the voting delegate will receive the required proxy cards. Proxy cards will be available for pick-up on **Wednesday, November 29, between 9:00 a.m. and 12:00 p.m.** at the ACWA General Session Desk in the main foyer outside of the **Marquis Ballroom Center, Marriott Anaheim**. The luncheon and General Session Membership Meeting will be held in the Platinum Ballroom 1-6.

GENERAL SESSION MEMBERSHIP MEETING, WEDNESDAY, NOV. 29 (DOORS OPEN AT 1:05 P.M.)

1. The General Session Membership Meeting will be called to order at 1:20 p.m. and a quorum will be determined. The presence of 50 authorized voting representatives is required to establish a quorum for transacting business.
2. Legal Affairs Committee Chair Jeni Buckman will provide an overview of the agenda and election procedures.
3. Nominating Committee Chair John Coleman will present the committee's report and announce the candidate for ACWA President.
4. President Kathy Tiegs will call for floor nominations for ACWA President.
5. If there are no floor nominations for President, the election will proceed. President Tiegs will close the nominations and delegates will vote by holding up their "Yes" or "No" proxy voting cards.
6. If there are floor nominations for President, the nomination will follow the procedures established by Article 9 of ACWA's Bylaws, stating floor nominations and seconds must be supported by a resolution of the governing body of the member agency making and seconding such nomination. **Note: If there are floor nominations, the election of officers will proceed during Wednesday's General Session as outlined below and the proposed bylaws amendments will move to the Thursday General Session Membership Meeting as outlined in item 12 below.**
 - a. Ballots will be distributed to the voting delegates.
 - b. Delegates will complete their ballots and place them in the ballot box, which will be centrally located in the Platinum Ballroom 1-6 meeting room.
 - c. Tellers' Committee will count the ballots. President Tiegs has appointed the following staff members to serve as the Tellers' Committee: Clerk of the Board Donna Pangborn; Director, Business Development & Events Paula Currie; and Executive Assistant Lili Vogelsang.
 - d. Legal Affairs Committee Chair Jeni Buckman will serve as the proctor to oversee the ballot counting process.
 - e. Candidates are welcome to designate an observer to be present during the ballot counting process.
 - f. Results of the ballot count will be announced. Election of ACWA's officers will be determined by a majority of the members present and voting. If any one candidate does not receive a majority of the vote, successive ballot counts will be conducted until a candidate is elected, consistent with Robert's Rules of Order.

7. Nominating Committee Chair John Coleman will announce the candidate for ACWA Vice President.
8. President Kathy Tiegs will call for floor nominations for ACWA Vice President.
9. If there are no floor nominations for Vice President, the election will proceed. President Tiegs will close the nominations and delegates will vote by holding up their "Yes" or "No" proxy voting cards.
10. If there are floor nominations for Vice President, the nominations will follow the procedures described in item 6 above, and the election will proceed according to the steps outlined in 6.a. through 6.f.

IF THERE ARE NO FLOOR NOMINATIONS FOR THE ELECTION OF OFFICERS, THE WEDNESDAY GENERAL SESSION MEMBERSHIP MEETING WILL PROCEED WITH A VOTE ON THE PROPOSED AMENDMENTS TO THE BYLAWS.

11. Legal Affairs Committee Chair Jeni Buckman will provide an overview of the proposed amendments to the bylaws.
 - a. Consideration of amendments to the bylaws.
 - b. Request for motion / second from the floor to approve the proposed amendments to the bylaws.
 - c. Discussion of proposed amendments.
 - d. Opportunity for members to offer changes to proposed amendments to the bylaws. Any proposed changes to the bylaw amendments as currently proposed require a **majority vote of the voting members present**.
 - e. Call for the question. A two-thirds vote of the members present and voting is required to amend the ACWA Bylaws.

IF THERE ARE FLOOR NOMINATIONS FOR THE ELECTION OF OFFICERS, THE OVERVIEW AND VOTE ON THE PROPOSED AMENDMENTS TO THE BYLAWS WILL BE TAKEN UP AT THE GENERAL SESSION MEMBERSHIP MEETING ON THURSDAY AS FOLLOWS.

12. The vote by the membership on the proposed amendments to the bylaws will occur at the Thursday, General Session Membership Meeting, at the Platinum Ballroom 1-6, Anaheim Marriott, at 1:20 p.m.
 - a. The General Session Membership Meeting will be called to order at 1:20 p.m. and a quorum will be determined. The presence of 50 formally designated voting representatives is required to establish a quorum for transacting business.
 - b. Legal Affairs Committee Chair Jeni Buckman will provide an overview of the proposed bylaws amendments.
 - c. The meeting will proceed according to the steps outlined 11.a. through 11.e. above.



BYLAWS of the Association of California Water Agencies

Proposed Amendments – redline version: September 29, 2017

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(As amended by the Members on December 2, 2015)

ARTICLE 1 – GENERAL

Section 1. Name. The name of this California nonprofit corporation shall be the Association of California Water Agencies (hereinafter referred to as the Association).

Section 2. Principal Office. The principal office for the transaction of business of the Association is located at 910 K Street, Suite 100, Sacramento, California; provided, however, that the Board of Directors may change the location of the principal office by resolution and without amendment of these bylaws.

Section 3. Purposes. The purposes of the Association shall be to work together with its members and others for the best interests of California and its citizens and landowners who use, need and depend upon water; to encourage the orderly development of the waters of the state; to seek means of obtaining and making available to all of California a dependable water supply of the best possible quality at the lowest possible cost, giving due consideration to environmental factors involved therein; to provide inspiration and leadership in meeting and solving the water supply problems of this state; to propose and advocate such policies and measures—local, state and federal—that serve the best interests of the Association, opposing those of contrary nature; to assist in promoting the health, safety and welfare of the employees of its members; and to do all other things that are in the best interests of its members.

ARTICLE 2 – MEMBERSHIP AND DUES

Section 1. Membership.

- A. **Members.** Only a public district, public agency, or public organization created and operated for the purpose of controlling, treating, developing, acquiring, using or supplying water for any purpose for inhabitants or lands within the state of California, or for the protection, drainage or reclamation of lands within the state of California, may become a member of the Association. Such an entity will become a member upon written application, approval by the Board of Directors, and the payment of the required dues. Acceptance to membership shall authorize full participation in Association activities. Except as otherwise provided in subsection (B) below, in no case may an organization other than a state, a political subdivision (as defined in § 1.103-1(b) of the Income Tax Regulations) of a state or an entity the income of which is excluded from gross income under § 115 of the Internal Revenue Code be a member of the Association.
- B. **Honorary Life Members.** Any person who has rendered conspicuous service in furthering the purposes of the Association may, by vote of the Board of Directors, be granted an honorary life membership in the Association without payment of dues or assessments. All past presidents of the Association shall automatically be honorary life members without vote of the Board of Directors. Honorary life members shall not be entitled to a vote or to hold office automatically because of their status as honorary life members.
- C. **Termination of Members.** Membership shall cease upon the failure of any member to pay the dues provided for in Section 2 of this Article. The membership of any member may be terminated at any time by such member sending written notification of its intention to withdraw to the Association's principal office. The Board of Directors may terminate the membership of any member upon 30 days' written notice by first-class mail when it is determined at any regular Board meeting or at any special Board meeting called for that purpose that continuance of such membership would not be in the best interests of the Association. Withdrawal or termination of membership ends any participation in Association activities and shall terminate a member's interest in the Association's assets.

Section 2. Dues. The annual dues of each member of the Association shall be established by the Board of Directors; provided, however, that any member may apply for a change in its dues because of conditions that differentiate such applicant from other members.

Section 3. Liability of Members. No member shall be liable for any obligation incurred by the Association with the following exception: (1) the payment of the annual dues while it remains a member; and (2) the payment of emergency assessments, which shall not exceed 10 percent of current annual dues for each member in any calendar year while it remains a member. No emergency assessment may be levied against any member during its first two years of membership in the Association.

ARTICLE 3 – OFFICERS

Section 1. President and Vice President.

- A. **General.** The president and vice president of the Association shall be the elected officers of the Association. At the time of their election the president and vice president shall each be an elected or appointed member of the governing body or commission (as appropriate) of a member agency of the Association. The president and vice president shall be elected by the members of the Association at its fall conference in each odd-numbered year, shall take office on January 1 of the calendar year following election, and shall hold office until such time as their successors take office or are appointed. An elected president shall not be permitted to succeed himself/herself to that office. Except as provided in this Article, should vacancies occur in either office of the president or vice president, the Board of Directors shall appoint persons to fill such offices for the unexpired terms thereof.
- B. **President.** The president shall preside at all meetings of the Board of Directors, the Executive Committee, and the general membership; shall appoint members of all committees, including the chair and vice chair of each, upon recommendation from members and regions (as communicated by the region chairs), with each such committee chair and vice chair ratified by the Board of Directors; and shall perform all other duties necessary to carry out the functions of the office. The president shall be a non-voting *ex officio* member of each committee, but shall not be an *ex officio* member of the Nominating Committee or the region boards.

The president may be expelled from office with or without cause, upon the satisfaction of the following two events: (1) a two-thirds vote of the Board of Directors; and (2) a subsequent simple majority vote of the members of the Association during a meeting of the membership.

- C. **Vice President.** The vice president shall, in the absence of the president, assume all of the duties of that office and, if a vacancy occurs, succeed thereto for the unexpired term. The vice president shall sit as a member of the Executive Committee of the ACWA Joint Powers Insurance Authority and shall perform such other duties as assigned by the president.

Section 2. Executive Director/Secretary and Controller/Treasurer.

- A. **General.** The executive director/secretary and controller/treasurer of the Association shall also be officers of the Association. The executive director/secretary shall be appointed by and hold office at the pleasure of the Board of Directors of the Association.
- B. **Executive Director/Secretary.** The executive director/secretary shall: (1) advise and assist the Board of Directors, all committees, the boards of each region, and the workgroups of each region; (2) be responsible for administering the total operations of the Association; (3) employ, direct, and release all employed staff in accordance with the policies adopted by the Board of Directors and consistent with the budget adopted by the Board of Directors; (4) provide relevant

information to the Board of Directors needed by the Board to take actions; (5) give members notice and record minutes of all meetings of the membership, Board of Directors, and Executive Committee; and (6) have such other powers and perform such other duties as may be provided and assigned by the Board of Directors directly or through the president of the Board or the Executive Committee. The executive director/secretary, with the assistance of the controller/treasurer, shall render a report to the Board of Directors at the first meeting following the close of each calendar year showing the membership of the Association, the receipts and expenditures during the year, and the work accomplished during the previous year.

- C. **Controller/Treasurer.** The controller/treasurer shall report to and act under the direction of the executive director/secretary. The controller/treasurer shall be a signatory on all accounts held by the Association and shall act as a fiduciary for all assets of the Association.

ARTICLE 4 – BOARD OF DIRECTORS

Section 1. Membership. The Board of Directors shall consist of:

- A. The Association president and vice president.
- B. The chair and vice chair of each region.
- C. The chair of each standing committee.
- D. The most immediate active past president.
- E. The vice president of the ACWA/Joint Powers Insurance Authority.

Section 2. Term of Office. The term of office of all members of the Board of Directors shall commence on January 1 of the calendar year following election of the president and vice president, except for those persons who serve on the Board of Directors by nature of their position as chairs of standing committees, whose terms shall instead commence upon their ratification by the Board of Directors. Except as provided in Article 4, Section 11, the term of office for all members of the Board of Directors shall terminate on December 31 of the following odd-numbered year two years later, or until their successors take office.

Section 3. Attendance Requirement. Any member of the Board of Directors who misses two consecutive regular Board meetings without being excused by the Board will no longer be a member of the Board of Directors.

Section 4. Regular Meetings. Regular meetings of the Board of Directors shall be held bimonthly at such times and places as the Board may determine.

Section 5. Special Meetings. Special meetings may be called by the president upon the president's own volition or shall be called by the president when requested in writing by five directors. Prior to conducting such a special meeting, the president shall consult with the Executive Committee to ensure

that adequate information is available to the Board of Directors for any necessary decisions; and where such meeting is called upon the president's own volition, the president shall also consult with the Executive Committee as to the necessity of the special meeting. Notice for special meetings shall be provided in the following manner: (1) upon 10 days' written notice sent by mail to each director and addressed to each at the address as shown upon the records of the Association; or (2) upon 48 hours' notice with notice provided by electronic means. When the meeting is called upon the president's own volition, the president shall choose the form of notice; when the meeting is called by a request of five directors, the five directors shall choose the form of notice and the president shall promptly call the meeting. No business except those items described in the notice shall be transacted at any special meeting, except by consent of three-fourths of the members of the Board of Directors present.

Section 6. Meeting Requirements and Quorums. Any meeting, regular or special, may be held in person or by telephone conference, web video conference, or other electronic video screen communication or electronic transmission. At any meeting of the Board of Directors, the attendance of 50 percent of the voting members of the Board of Directors, or their permitted alternates as specified in these bylaws, shall constitute a quorum for the transaction of any business. The Board may hold a closed session for discussion of personnel matters or enforcement of violations of the code of conduct.

Section 7. Alternates. Each region shall designate an alternate for each chair and vice chair, who shall meet the qualification requirements for chair and vice chair, to act at meetings of the Board of Directors when the chair or vice chair is unable to attend. The vice chair of each standing committee will be the alternate to act at meetings of the Board of Directors when the chair is unable to attend. An alternate may not act or vote on behalf of more than one member of the Board of Directors. A member of the Board of Directors may not act as an alternate for any other member.

Section 8. Vacancies for Standing Committee Chairs and Vice Chairs. Should a vacancy occur in the office of any standing committee chair or vice chair before the end of the term, the president shall appoint a new committee chair or vice chair to fulfill the unexpired term of such committee chair or vice chair subject to ratification by the Board of Directors. A vacancy in the office of any such standing committee chair or vice chair as described in the previous sentence shall be deemed to exist when the chair or vice chair: (1) resigns the office; (2) no longer is an officer, employee, or member of the governing body of a member agency of the Association, or other representative duly designated by a member agency of the Association to represent that member; or (3) is otherwise removed by a member agency of the Association.

Section 9. Duties, Authorities, and Delegation. Subject to the provisions and limitations of California Nonprofit Corporation Law, other applicable laws, and the provisions of these bylaws, the Association's activities and affairs are to be exercised by or under the direction of the Association's Board of Directors. The Board of Directors is responsible for the overall supervision, control, and direction of the Association. The Board of Directors shall: (1) employ and release the executive director/secretary; (2) set performance expectations for the executive director/secretary; (3) receive, review, and consider approval of executive director/secretary recommended compensation, other terms and conditions of

employment, and annual evaluations as prepared by the Executive Committee; (4) annually adopt a budget; and (5) set the level of dues for the Association. Except as to the duties listed in the previous sentence, and subject to Article 3, Section 2, the Board of Directors may delegate the supervision, control, and direction of the Association's affairs to any person or group, including a committee, provided the Association Board retains ultimate responsibility for the actions of such person or group. Where such powers are delegated, the delegation shall be documented in writing.

Section 10. Immediate Past President. The immediate past president automatically assumes this position after serving as the Association's elected president and is a voting member of the Board of Directors and Executive Committee. The term of office for the immediate past president shall commence on January 1 of the calendar year following election of the president and vice president and shall terminate on December 31 of the following odd-numbered year two years later. In the event the most immediate active past president is unavailable to serve, the most recent and available active past president in succession shall serve in this capacity.

Section 11. Code of Conduct of Board Members.

- A. **Code of Conduct: Purpose and Adoption.** The Board of Directors shall establish, and update as appropriate, a code of conduct for its Directors that recognizes the Association's commitment of integrity, respect, and fair representation to its members and the public they serve and establishes minimum ethical standards for the performance of the duties of office. The code shall be consistent with the procedural processes contained in this section. The code shall be distributed to all new Directors and shall be distributed annually to all members of the Association.
- B. **Violations and Enforcement Process.** A violation of the code of conduct may result in removal, public censure, or private reprimand of a Director, or such other action as contained in the code of conduct. However, removal and public censure shall be reserved only for serious violations. A Director may not be removed or publically censured absent an affirmative vote of two-thirds of the voting members of the Board of Directors. A Director may be privately reprimanded for a violation of the code of conduct upon the majority vote of the quorum. Complaints of violation of the code of conduct may be filed with the president, or the vice-president if the allegations are made against the president. The president may refer a complaint of violation to the executive director/secretary for investigation. The executive director/secretary may retain a special investigator or special counsel to conduct or assist the investigation. A Director accused of a violation shall be provided a copy of the complaint. A Director that takes any hostile or retaliatory action, directly or indirectly, against a complainant is subject to removal from the Board in conformance with the process identified above. Prior to scheduling a Board action on a complaint, the president shall consult with the Executive Committee and the chair of the Legal Affairs Committee. A Director accused of a violation of the code of conduct shall be provided at least 15 days' written notice of any meeting of the Board at which a determination of enforcement will be considered. A determination of enforcement may be made only at a regular

meeting of the Board and shall be made in closed session. The determinations of the Board under this section shall not be admissible in any criminal or civil proceeding brought against the Director for conduct that violates any other law.

ARTICLE 5 – REGIONS

Section 1. Boundaries of Each Region.

- A. There shall be a maximum of 10 regions within the state. The Board of Directors shall determine the regional boundaries. Insofar as is practicable, the regions shall have a numerical balance in members of the Association; make geographic sense; and promote regional problem solving.
- B. A member of the Association may file a written petition to the Board of Directors requesting a change in regions. Such petition shall set forth the reasons for such requested change. The Board shall, within a reasonable time, act upon such petition and set forth the reasons for its action. Such action by the Board shall be based on factors in (A) above, as well as others deemed by the Board of Directors to be relevant to the decision.

Section 2. Officers.

- A. The officers of each region shall be a chair and vice chair and three to five region board members who shall be elected by the region by September 30, or the preceding Friday if September 30 falls on a weekend, of odd-numbered years. A region may maintain a board of fewer than five but not less than three members as provided in the region's rules and regulations. The officers of the region board shall take office on January 1 of the calendar year following election and shall hold office for two years, or until their successors take office. Regions shall hold elections by electronic ballot. ACWA staff shall verify the legitimacy of the ballots.
- B. The officers of each region shall: (1) exercise the powers and perform duties of the region during the interim between region meetings; and (2) make recommendations to the president regarding appointments to committees. The chair and vice chair shall be the region's representatives to the ACWA Board of Directors.
- C. Each officer of a region shall be an officer, employee, or member of the governing body of a member agency of the Association, or other representative duly designated by a member agency of the Association to represent that member at the time of the appointment. Where an individual ceases to meet these criteria during the term of the office, the individual may not serve during the remaining term of that office unless that individual can again meet the criteria for the office and is appointed to complete the term. The region board may adopt more stringent criteria for board member qualifications as part of the region's rules and regulations.
- D. Should a vacancy occur in any of the region board positions before the end of the term, the remaining members of the region board shall appoint a new member. A vacancy in the office of

any region board position shall be deemed to exist when a region board member: (1) resigns the office; (2) no longer is an officer, employee, or member of the governing body of a member agency of the Association, or other representative duly designated by a member of the Association to represent that member; or (3) is otherwise removed by a member agency of the Association.

Section 3. Nominating Committees. There shall be a nominating committee for each region consisting of three or more designees, each representing a member of the Association located within the region, appointed by the chair of the region and approved by the region board. Nominating committees shall be formed by February 28 of each odd-numbered year. The nominating committee shall announce its nominations for chair, vice chair, and region board members by August 1 of an election year. All regions must complete the election process by September 30 of the election year, or the preceding Friday if the September 30 falls on a weekend.

Section 4. Meetings. The meetings of each region shall be held at both the spring and fall conferences and at such other times and places as may be determined by the region chair. Representatives of five or more members of the Association from the region present at any region meeting shall constitute a quorum for purposes of conducting the business of the region. Any meeting, regular or special, may be held in person or by telephone conference, web video conference, or other electronic video screen communication or electronic transmission.

Section 5. Workgroups. Workgroups may be appointed by the region chair as needed.

Section 6. Rules. Each region shall organize and adopt rules and regulations for the conduct of its meetings and affairs not inconsistent with the Articles of Incorporation or bylaws of the Association. Each region shall abide by the code of conduct adopted by the Board of Directors of the Association.

ARTICLE 6 – EXECUTIVE COMMITTEE

Section 1. Membership. There shall be an Executive Committee consisting of the following: the president of the Association, who shall be the chair thereof; the vice president; the most immediate active past president; the chair of the Finance Committee; and three at-large representatives selected from and by the members of the Board of Directors. The election of the three at-large representatives to the Executive Committee shall occur at the first Board of Directors meeting held in each even-numbered year and the elected representatives shall serve immediately following their election and until such time as their successors take office. To the extent practical, the Executive Committee should be constituted so as to reflect the geographic extent of the Association and the functions of the members of the Association.

Section 2. Powers. The Executive Committee shall have the following authority:

- A. **Personnel.** Subject to the budget adopted by the Board of Directors, the Executive Committee shall perform the following personnel actions: (1) recommend compensation for the executive

director/secretary to the Board of Directors for approval; (2) perform annual reviews of the executive director/secretary and submit that review to the Board of Directors; (3) review and approve the classification and compensation plan and publicly posted salary schedule for Association employees submitted by the executive director/secretary, which shall be reviewable by the Board of Directors, in closed session, upon request of the Board of Directors; (4) establish personnel policies for the conduct and behavior of employees, which shall be reviewable by the Board of Directors; and (5) undertake such other personnel actions as may be requested by the executive director/secretary in support of his or her oversight of all other personnel matters, which shall be reviewable by the Board of Directors, in closed session, upon request of the Board of Directors.

- B. **Delegation.** The Executive Committee may act pursuant to any authority specifically delegated to it by the Board of Directors. The delegation shall indicate whether the authority is still subject to the ultimate authority of the Board.
- C. **Authority to Act Between Meetings.** The Executive Committee may act for the Board of Directors between Board meetings when calling a special meeting of the Board of Directors is impracticable, provided that no such action of the Executive Committee shall be binding on the Board of Directors until authorized or approved by the Board. The Executive Committee has the authority to authorize actions recommended by the Legal Affairs Committee (such as the filing of letter briefs and amicus curiae briefs) by electronic means without the need for an in-person or telephonic meeting, but such actions shall be ratified by the Board of Directors at its next meeting.

Section 3. Reporting. The president, or any person designated by the president, shall report to the Board of Directors, at each regular Board meeting, any action taken by the Executive Committee since the last preceding regular Board meeting. The minutes of Executive Committee meetings, which at that time may still be in draft form, shall be mailed (using the U.S. Postal Service, express delivery, electronic means, or otherwise) to each member of the Board of Directors at least five days prior to Board meetings, except in cases in which the Executive Committee meets during or immediately prior to a conference of the Association or immediately prior to a Board meeting, in which case the minutes, which may still be in draft form, shall be mailed to each director promptly thereafter.

Section 4. Meetings. The Executive Committee shall hold regularly scheduled meetings as set by the president. Special meetings of the Executive Committee may be called by the president upon notice to the members of that committee or upon written request of three Executive Committee members. Notice for special Executive Committee meetings shall be provided to the entire Board: (1) upon five days' written notice sent by mail, or (2) upon 24 hours' notice with notice provided by electronic means; and all such meetings shall be open to the Board of Directors. Any meeting, regular or special, may be held in person or by telephone conference, web video conference or other electronic video screen communication or electronic transmission. All members of the Board of Directors may attend any meeting of the Executive Committee. Meetings of the Executive Committee may be closed to others at

the discretion of the President or committee. Only members of the Executive Committee are allowed to vote on matters at a meeting of the committee.

Section 5. Minutes. The minutes of the Executive Committee meetings shall be kept by the executive director/secretary at the Association's principal office. Actions of the Executive Committee shall be reported to the Board of Directors as provided in Section 3 of this Article and shall be available to any member of the Board of Directors upon request to the executive director/secretary.

ARTICLE 7 – STANDING COMMITTEES

Section 1. Qualification. In order to serve on any ACWA standing committee, an individual must be an officer, employee, or member of the governing body of a member agency of the Association, or other representative duly designated by a member agency of the Association to represent that member at the time of the appointment. Where an individual ceases to meet these criteria during the term of the appointment, the individual may not serve during the remaining term of that appointment unless that individual can again meet the criteria for appointment and is appointed to complete the term.

Section 2. Term of Office. The term of office of standing committee members shall be two years commencing on January 1 of each even-numbered year. The term of office of standing committee chairs and vice chairs shall be approximately two years and shall commence as soon after January 1 of the even-numbered year as they may be appointed by the president and ratified by the then-seated Board of Directors, and shall terminate on December 31 of the odd-numbered year approximately two years later or until their successors are appointed and ratified.

Section 3. Meetings. Meetings of standing committees may be called at such times and places designated by the respective chair thereof except where provided otherwise by these bylaws. Subject to the provisions of these bylaws and any actions that may be taken by the Board of Directors, the chairs of each standing committee may establish their own rules for the efficient operation of the committee they each chair. The chairs of each standing committee are authorized to create subcommittees and workgroups in order to complete the work of the committee.

Section 4. Committee Composition. Each limited standing committee shall have a membership composition that is comprised of members in the quantity and with qualifications as defined by the provisions of these bylaws. The committee chair position shall not be included in the maximum count for determining the committee composition total of any given limited committee. The committee chair shall, however, be a voting member of their respective committees subject to the rules and procedures of each committee.

Rationale: Staff is recommending this amendment to the Bylaws to allow the President flexibility in appointing members to limited standing committees and to provide an odd number committee composition total.

LAC Workgroup Analysis: The proposed revision is clear and meets its intended purpose.

Committee Composition Terms in Sections 5 through 17.

Rationale: Review of Committee Composition Terms: Staff noted that the use of the term “individual” versus “representative” (and one instance of “member”) was inconsistent throughout the committee composition description for each of the standing committees in Article 7. Staff asked the LAC Workgroup to review Section 1, Qualifications, as well as each of the committee descriptions to make a determination as to which term would best apply for all of the committees for purposes of consistency throughout Article 7.

LAC Workgroup Analysis: Reading of the various ACWA committee sections suggests that “Member” would be the most appropriate word for consistency throughout the By-Laws. However, the use of a single term, may require some minor revisions to surrounding text for clarity (for an example see Section 15 (State Legislative Committee) where “member” is separately used to denote a “member agency” and so would need to state “member-agency” consistently to accommodate the more general use of “member” throughout the By-Laws).

Staff Response: Staff revised the terms in the committee sections to “member” for consistency and the surrounding language where needed in response to the LAC Workgroup’s analysis.

Section 5. Agriculture Committee. There shall be an Agriculture Committee whose duty it shall be to recommend Association policy, positions and programs to the Board of Directors, State Legislative Committee, Federal Affairs Committee or other committees, as appropriate, regarding agricultural issues affecting the interests of ACWA and its members. The committee shall consist of at least one member from each region.

Rationale: The 2016-2017 Business and Strategic Plan initiative to increase involvement and engagement from ACWA’s agricultural members has successfully generated momentum amongst ACWA’s agricultural members and a renewed attention to and involvement in key policy issues that uniquely affect agricultural water suppliers. Amidst this success, a concern has arisen that the momentum could be lost once the Board of Directors finishes its current term and the initiative sunsets. This concern has sparked the suggestion that ACWA should consider creating an Agriculture Committee as the thirteenth standing committee of the Association to continue the objectives of the Ag Initiative long-term.

LAC Workgroup Analysis: The proposed revision is clean and meets its intended purpose.

Section ~~4~~ 6. Business Development Committee. There shall be a Business Development Committee whose duty it is to develop and recommend to the Board of Directors programs and activities to be provided or administered by the Association that generate non-dues revenue and provide a service or benefit to ~~Association members~~ member agencies. The committee shall consist of at least one representative member from each region and ~~one representative~~ may include members from ~~the any of the~~ other standing committees.

Section-5 7. Communications Committee. There shall be a Communications Committee whose duty it shall be to develop and make recommendations to the Board of Directors regarding a comprehensive internal and external communications program for the Association and to promote development of sound public information and education programs and practices among ~~members of the Association agencies~~. The committee shall consist of no more than 40 ~~individuals~~members. ~~Of that number, The committee shall consist of~~ at least one ~~individual member shall be~~ from each region.

Section-6 8. Energy Committee. There shall be an Energy Committee whose duty it shall be to recommend policies and programs to the Board of Directors and to the State Legislative Committee and/or Federal Affairs Committee as appropriate. The committee shall consist of at least one ~~representative member~~ from each region.

Section-7 9. Federal Affairs Committee. There shall be a Federal Affairs Committee whose duty it shall be to review all federal legislative proposals and regulatory proposals affecting ~~members of the Association member agencies~~, after consulting with other appropriate committees, and to develop Association positions consistent with existing policy, where it has been established; recommend sponsorship of bills that will resolve problems or improve conditions for ~~members of the Association agencies~~; and assist in the establishment of the Association's federal legislative program. The committee shall consist of at least one ~~and, but~~ no more than five ~~individuals~~members from each region.

Section-8 10. Finance Committee. There shall be a Finance Committee whose duty it shall be to make recommendations to the Board of Directors regarding annual budgets, dues formula and schedules and other revenue-producing income, annual audit and selection of an auditor, and investment strategies. The committee shall consist of the president and vice president of the Association as *ex officio* members, ~~the Finance Committee chair, one member either the chair or vice chair from each of the Association's of the region board from each of the Association's 10 regions boards (either chair or vice chair)~~, and one additional ~~representative member~~ from each region with experience in financial matters.

Section-9 11. Groundwater Committee. There shall be a Groundwater Committee whose duty it shall be to recommend policies and programs to the Board of Directors and to the State Legislative Committee and/or Federal Affairs Committee as appropriate. The committee shall consist of at least one ~~representative member~~ from each region.

Section-10 12. Legal Affairs Committee. There shall be a Legal Affairs Committee whose duty it shall be to support the mission of the Association, and more particularly to deal with requests for assistance involving legal matters of significance to ~~members of the Association agencies~~, including but not limited to state and federal court litigation, water rights matters, selected regulatory and resources agency matters, proposed bylaw revisions, review of legislation as requested by the State Legislative Committee, etc. The committee shall consider matters and issues submitted to it in order to determine which ones are of major significance to the ~~members of the Association agencies~~ and, assuming a finding of major significance, recommend to the Board of Directors the position(s) which the committee believes the Association should take with respect thereto. The committee shall be composed of between ~~35 34~~ and ~~45 44~~ attorneys, each of whom shall be a member of the California Bar and shall be,

BYLAWS OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES

or act as, counsel for a member ~~of the Association~~agency, representing diverse interests within the Association, including but not limited to, different geographical areas throughout the state, large and small agencies, agricultural and urban agencies, agencies created under the various enabling statutes, etc. ~~Further, there shall be at least one representative from each region on the committee~~The committee shall consist of at least one member from each region.

Rationale: Change the committee composition range so there is a resulting odd number total when the chair is added.

LAC Workgroup Analysis: Considered together with the general change in Section 4, Committee Composition above, this change accomplishes its purposes and maintains the current overall LAC membership numbers.

Section ~~11~~ 13. Local Government Committee. There shall be a Local Government Committee whose duty it shall be to recommend policies to the State Legislative Committee, as appropriate, and Board of Directors on matters affecting water agencies as a segment of local government in California. The committee shall consist of at least one, ~~and but~~ no more than three ~~individuals~~members from each region.

Section ~~12~~ 14. Membership Committee. There shall be a Membership Committee whose duty it shall be to assist staff in developing membership recruitment and retention programs, make recommendations to the Board of Directors regarding membership policies, eligibility, and applications for membership and review and make recommendations to the Finance Committee regarding an equitable dues structure. The committee shall consist of at least one member from each region.

Section ~~13~~ 15. State Legislative Committee. There shall be a State Legislative Committee whose duty it shall be to review all state legislative proposals affecting members ~~of the Association~~agencies and to establish Association positions, consistent with existing policy, where it has been established; sponsor bills that will resolve problems or improve conditions for member ~~s of the Association~~agencies; and assist in the establishment of the Association's legislative program. The committee shall consist of ~~individuals~~members representing a variety of types of ~~members~~member agencies and at least one ~~and, but~~ no more than four ~~individuals~~members from each region.

Section ~~14~~ 16. Water Management Committee. There shall be a Water Management Committee whose duty it shall be to recommend policy and programs to the Board of Directors on any area of concern in water management. The committee shall consist of at least one, ~~but and~~ no more than four ~~individuals~~members from each region.

Section ~~15~~ 17. Water Quality Committee. There shall be a Water Quality Committee whose duty it shall be to develop and recommend Association policy, positions, and programs to the Board of Directors, to promote cost-effective state and federal water quality regulations that protect the public health, to enable interested members ~~of the Association~~agencies to join together to develop and coordinate with

other organizations, and to present unified comments regarding agricultural and domestic water quality regulations. The committee shall consist of at least one individual member from each region.

ARTICLE 8 – SPECIAL COUNCILS, COMMITTEES, AND TASK FORCES

Section 1. Council of Past Presidents. There shall be a Council of Past Presidents composed of all past presidents of the Association who serve on the council until each is no longer able to or wishes to serve. The council shall provide a mechanism for past presidents to continue to make valuable contributions to the Association. With approval of the Board of Directors, the president and/or executive director/secretary may assign specific responsibilities to the council from time to time. Members of the Council of Past Presidents are invited to attend and participate in the Association's Board meetings.

Section 2. Nominating Committee. There shall be a Nominating Committee consisting of five or more persons appointed by the president prior to the Association's fall conference in each odd-numbered year, whose purpose shall be to nominate qualified individuals for the offices of president and vice president of the Association. The Nominating Committee shall publish its nominations for the offices of president and vice president of the Association not less than 10 or more than 90 days before the membership meeting is held at fall conference. Additional nominations may be made by any member of the Association for candidates for the office of president and vice president. Additional nominations shall be made from the floor during the election of president and vice president at the membership meeting scheduled for said purposes.

Section 3. Other Committees and Task Forces. Other committees and task forces may be appointed by the president from time to time as needed, consistent with and supportive of the mission of the Association.

ARTICLE 9 – MEETINGS OF MEMBERS

Section 1. Meetings. Meetings of the members of the Association shall be held at the Association's conferences at such times as may be determined by the Board of Directors to conduct necessary business and to elect the president and vice president, which occurs at the fall conference in each odd-numbered year.

Section 2. Special Meetings. Special meetings of the members of the Association may be called by the Board of Directors, the president of the Board of Directors, or by 5 percent or more of the members of the Association. Except when called by the Board, a request for a special meeting must be in writing and must be delivered in person or mailed by first-class mail addressed to the president of the Board at the principal office of the Association, with a copy to the executive director/secretary. The request must state the general nature of the business proposed to be transacted at the meeting.

A special meeting that has been called by written request of 5 percent of the member agencies of the Association to the Board of Directors shall be set by the Board of Directors on a date that is not less than 35 or more than 90 days after receipt of the request.

Section 3. Notice Requirements for Membership Meetings. Written notice of any membership meeting shall be given to each voting member of the Association. The notice shall state the date, time, and place of the meeting; the means by which members may participate; and the general nature of the business to be transacted. The notice of any meeting at which Board officers are to be formally nominated and elected shall include the names of the recommended slate of candidates for the offices of president and vice president in addition to the election procedures. The member notification information shall also be posted on the Association's website.

Except as otherwise provided in these bylaws or California law, a written notice of regular membership meetings shall be given not less than 10 or more than 90 days before the date of the meeting to each member who, on the record date for notice of the meeting, is entitled to vote; provided, however, that if notice is given by mail, and the notice is not mailed by first-class, registered, or certified mail, that notice shall be given not less than 20 days before the meeting.

Section 4. Notice Requirements for Special Meetings. The executive director/secretary shall cause notice to be given to all members of the Association of the date, time, and place of the meeting and the general nature of the business to be transacted at the meeting. No business except that specified in the request and notice may be transacted at said special meeting. If notice of the requested special meeting is not given within 20 days after receipt of the request, the person or persons requesting the meeting may give the notice.

Section 5. Voting. Each member of the Association shall be entitled to one vote that shall be cast by its authorized representative. All questions, except amendments or revisions of these bylaws, shall be determined by a majority of the members present and voting. A roll call may be requested by any representative.

Section 6. Amendment of Bylaws. These bylaws may be amended or revised by two-thirds of the member agencies of the Association present and voting at any meeting.

Section 7. Quorums. The presence of the authorized representative of 50 members of the Association at any meeting of the members shall constitute a quorum for transacting business.

Section 8. Amendments, Revisions, and Resolutions. Before any amendments or revisions to the bylaws, or resolutions, may be considered at any meeting of the Association, any such amendment, revision, or resolution shall be submitted to the executive director/secretary at least ~~30~~ 90 days prior to the first day of such meeting. The executive director/secretary shall promptly distribute any proposed amendments or revisions to the Legal Affairs Committee for the Legal Affairs Committee to develop an unbiased analysis of the amendments or revisions. Following development of an analysis for the proposed amendments or revisions, the executive director/secretary shall distribute copies of any resolutions, amendments or revisions, including any applicable analyses, to all members of the Association ~~at least five not less than 10 days or more than 90 days~~ prior to presentation at such meeting. The written notice of the membership meeting shall be given to each voting member of the Association consistent with the provisions defined in Section 3. The ~~30~~ 90-day rule may be suspended at

any meeting of the Association by consent of three-fourths of the members present. Voting on resolutions, amendments, or revisions shall proceed as provided by Sections ~~3~~ 5 and ~~4~~ 6 of this Article.

Staff Rationale: Staff is recommended that the deadline for submitting requests for amendments, revisions, and resolutions be changed from 30 to 120 days prior to any membership meeting to provide Legal Affairs Committee sufficient time to review and develop the required analysis and for staff to provide adequate notice to the members as set forth in Article 9, Sections 3 and 4 of the Bylaws. Note: Staff typically notifies ACWA members at least 45 prior to a given membership meeting to allow the agency boards to designate their authorized representative.

LAC Workgroup Analysis: This proposed revision is clear and meets its intended purpose. However, subcommittee members did express some concern that the 120-day submission requirement may unduly limit the Association's ability to quickly respond to state or federal legislative or administrative acts appropriately. A supermajority of the Association may vote to suspend the requirement, however, it may be advisable to require only 90-days for submission while retaining the general Association distribution timing of no later than 10-days and no earlier than 90-days prior to presentation at an Association meeting.

Staff Response: Staff revised the proposed amendment to state 90 days instead of 120 days in response to the LAC Workgroup's analysis.

Section 9. Nomination of President and Vice President.

- A. **Qualification.** At the time of their election, the president and vice president of the Association shall each be an elected or appointed member of the governing body or commission (as appropriate) of a member agency of the Association.
- B. **Nominating Committee Process.** All nominations for the positions of president and vice president shall be accompanied by an official resolution from the Association member agency on whose board the nominee serves. Said resolution shall be signed by an authorized signatory of the member agency's Board of Directors.
- C. **Nominations from the Floor.** Additional nominations may be made by any member of the Association for the office of president and vice president. Said nominations and seconds shall be made from the floor during the election of the offices of president and vice president at the membership meeting scheduled for said purposes (as provided for in the penultimate sentence of Article 8, Section 2). Such nominations and seconds shall be made by a member of the Association and must be supported by a resolution of the governing body of the member making and seconding such nomination. The member agency on whose board the nominee serves shall submit a resolution of support if they are not the agency making the floor nomination or second.

Section 10. Additional Procedures for Election of Officers. The Board shall have the authority to develop additional procedures for elections of president and vice president when not otherwise covered by these bylaws.

ARTICLE 10 – INDEMNIFICATION OF DIRECTORS, OFFICERS, AND OTHER AGENTS

Section 1. Right of Indemnity. To the fullest extent permitted by law, this Corporation shall indemnify its Directors, Officers, employees, and other persons described in Section 7237(a) of the California Corporations Code, including persons formerly occupying any such position, against all expenses, judgments, fines, settlements and other amounts actually and reasonably incurred by them in connection with any "proceeding," as that term is used in that Section, and including an action by or in the right of the Corporation, by reason of the fact that the person is or was a person described in that section. "Expenses," as used in this bylaw, shall have the same meaning as in Section 7237(a) of the California Corporations Code.

Section 2. Approval of Indemnity. On written request to the Board by any person seeking indemnification under Section 7237(b) or Section 7237(c) of the California Corporations Code, the Board shall promptly determine under Section 7237(e) of the California Corporations Code whether the applicable standard of conduct set forth in Section 7237(b) or Section 7237(c) has been met and, if so, the Board shall authorize indemnification.

Section 3. Advancement of Expenses. To the fullest extent permitted by law and except as otherwise determined by the Board in a specific instance, expenses incurred by a person seeking indemnification under these bylaws in defending any proceeding covered by those Sections shall be advanced by the Corporation before final disposition of the proceeding, on receipt by the Corporation of an undertaking by or on behalf of that person that the advance will be repaid unless it is ultimately determined that the person is entitled to be indemnified by the Corporation for those expenses.

Section 4. Insurance. The Corporation shall have the right to purchase and maintain insurance to the full extent permitted by law on behalf of its Officers, Directors, employees, and other agents, against any liability asserted against or incurred by any officer, director, employee, or agent in such capacity or arising out of the officer's, director's, employee's or agent's status as such.

ARTICLE 11 – MISCELLANEOUS

Section 1. Conduct of Meetings. All meetings of the Association shall be conducted in accord with the code of conduct and in substantial accordance with the latest edition of Robert's Rules of Order Newly Revised unless the Board adopts alternate rules of conduct for itself and/or its committees, region boards, and region workgroups.

Section 2. Funds. The funds of the Association shall be used to further the aims and purposes of this Association. They shall be kept by the controller/treasurer and paid out by checks or other electronic means, which shall only be valid with two authorized signatures. The Board of Directors shall designate

by resolution which persons, other than the controller/treasurer, may sign for expenditures. The Finance Committee shall implement procedures to ensure necessary internal controls over the receipt and expenditures of Association funds and arrange for an external audit. Audit reports shall be presented to the Board of Directors.

Section 3. Disposition of Assets upon Dissolution. The Association's properties and assets are irrevocably dedicated to the fulfillment of the Association's purposes as described in Article 2 of the Articles of Incorporation. No part of the Association's net earnings, properties and assets, on dissolution or otherwise, may inure to the benefit of any private person. Upon the dissolution of the Association, all debts thereof shall be paid and its affairs settled, and all remaining assets shall be distributed to the Association's member political subdivisions for a public purpose, consistent with the provisions of the California Nonprofit Corporation Law relating to public benefit corporations then in effect and with the Articles of Incorporation.

Section 3. Definitions. As used in these bylaws, the term "notice provided by electronic means" shall refer to notice given by fax or e-mail.

Amended comprehensively December 1, 2010

Amended May 9, 2012

Amended May 7, 2014

Amended December 2, 2015



PROXY DESIGNATION FORM

ASSOCIATION OF CALIFORNIA WATER AGENCIES GENERAL SESSION MEMBERSHIP MEETING(S)

WEDNESDAY, NOVEMBER 29, 2017 AT 1:20PM
THURSDAY, NOVEMBER 30, 2017 AT 1:20PM (IF NEEDED)

TO: Donna Pangborn, Clerk of the Board

EMAIL: donnap@acwa.com

FAX: 916-325-4857

The person designated below will be attending the ACWA General Session Membership Meeting(s) on **Wednesday, November 29, 2017 (and November 30, 2017 if necessary)** as our voting delegate.

<hr/>	
<hr/> MEMBER AGENCY'S NAME	<hr/> AGENCY'S TELEPHONE No.
<hr/> MEMBER AGENCY'S AUTHORIZING REPRESENTATIVE	<hr/> SIGNATURE
<hr/> DELEGATE'S NAME	<hr/> SIGNATURE
<hr/> DELEGATE'S EMAIL	<hr/> DELEGATE'S TELEPHONE No.
<hr/> DELEGATE'S AFFILIATION (if different from assigning agency) ¹	<hr/> DATE

¹ If your agency designates a delegate from another entity to serve as its authorized voting representative, please indicate the delegate's entity in the appropriate space above. Note: Delegates need to sign the proxy form indicating they have accepted the responsibility of carrying the proxy.

REMINDER: Proxy cards will be available for pick up on **Wednesday, November 29**, between **9:00 a.m.** and **12:00 p.m.** at the **ACWA General Session Desk** in the main foyer outside of the **Marquis Ballroom Center, Marriott Anaheim**. The luncheon and General Session Membership Meeting will be held in the **Platinum Ballroom 1-6**.



October 10, 2017

TO: Presiding Officers, Independent Special Districts of
Orange County

DEREK J. MCGREGOR
Representative of
General Public

DR. ALLAN BERNSTEIN
Councilmember
City of Tustin

LISA BARTLETT
Supervisor
5th District

CHERYL BROTHERS
Councilmember
City of Fountain Valley

TODD SPITZER
Supervisor
3rd District

CHARLEY WILSON
Director
Santa Margarita Water District

JOHN WITHERS
Director
Irvine Ranch Water District

WENDY BUCKNUM
Councilmember
City of Mission Viejo

JAMES FISLER
Director
Mesa Water District

LOU PENROSE
Representative of
General Public

MICHELLE STEEL
Supervisor
2nd District

CAROLYN EMERY
Executive Officer

Subject: **Start of Nomination Period for Redevelopment Agency
Oversight Board Appointment- County of Orange**

As a follow-up to my September 21, 2017 letter regarding the election process for the appointment of the special district member to the new county-wide Orange County Redevelopment Agency Oversight Board ("RDA Board"), this memorandum is to inform you of the start of the nomination period for this appointment (**Tuesday, October 10, 2017**).

The election process for special district seats are governed by Government Code Section 56332 and the Independent Special Districts Selection Committee Bylaws. To participate in the process, both, the attached Declaration of Qualification to Vote and the Nomination Form (if your District is nominating a candidate) must be submitted to LAFCO by **November 10, 2017**. The nomination and election by mail process will be conducted pursuant to the following schedule:

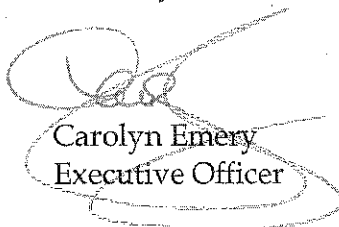
DATE	EVENT
Tuesday, October 10, 2017	Nomination Period Begins: LAFCO Executive Officer emails notification letters with nomination form and Declaration of Qualification to Vote to independent special district presiding officers and general managers.
November 10, 2017 (3 PM)	Nomination Period Ends: Deadline for submitting nominations and Declaration of Qualification to Vote for RDA Oversight Board to LAFCO by 3:00 p.m.*
November 13, 2017	Voting Period Begins: Ballots emailed to all special district presiding officers/designees and general managers.
December 18, 2017 (3 PM)	Voting Period Ends: Ballots due to LAFCO by 3:00 p.m.
December 19, 2017	Ballots Counted: LAFCO staff tabulates ballots and announces results.
* Pursuant to Government Code §56332 (f)(2), if only one candidate is nominated for a vacant seat, that candidate shall be deemed selected, with no further proceedings.	

With respect to potential nominations, please note the following:

- To be eligible for a position, the nominee must be "elected or appointed to your district," for a fixed term.
- Individuals eligible for these positions must be "members of the legislative body of an independent special district...but shall not be members of the legislative body of a city or county" (Government Code Section 56332(c). For example, a city council member serving as a board-member of a vector control district is ineligible.
- Nominations must be made at a meeting of the governing board of the nominee's corresponding special district during the nominations period.
- Health and Safety Code Section 34179(j)(3) reads in full: "One member may be appointed by the independent special district selection committee established pursuant to Section 56332 of the Government Code, for the types of special districts that are eligible to receive property tax revenues pursuant to Section 34188."
- All completed nominations forms and any supplemental information must be received by LAFCO by the close of the nomination period, which is **3:00 p.m. on Friday, November 10, 2017**. Nominations may be delivered by email at cemery@oclafo.org, U.S. Mail, or by fax to (714) 640-5139.

Should you have any questions regarding the election process, please contact me or our Commission Clerk, Cheryl-Carter Benjamin at (714) 640-5100.

Sincerely,



Carolyn Emery
Executive Officer

Attachments: Declaration of Qualification to Vote
2017 Nomination Form

cc: Eric Woolery, Orange County Auditor-Controller
Independent Special District General Managers

DECLARATION OF QUALIFICATION TO VOTE

Scott Goldman, Presiding Officer
El Toro Water District
24251 Los Alisos
El Toro, CA 92630-5246
sgoldman@etwd.com

I, Scott Goldman, * hereby attest that
I have ** has been authorized by the Board of
El Toro Water District to vote in the Orange County Special
District Selection Committee election.

The Board also designated Mark Morin *** as the alternate
voting member.

Name and Title*: Scott Goldman, President

Signature*: _____

Date: 10-24-17

*Must be signed by either Board President or Board Secretary

** Must be a member of the Board

***Must be a member of the Board

Completed forms must be received by LAFCO by 3 PM, Tuesday, November 10,

2017. Forms must be delivered to Orange County LAFCO by:

- (1) Email at: cemery@oclafco.org, or
- (2) Mail at: Orange County LAFCO
2677 North Main Street, Suite 1050
Santa Ana, CA 92705
Attn: Carolyn Emery, or
- (3) FAX at: (714) 640-5139, Attn: Carolyn Emery

2017 NOMINATION FORM

Candidate for the Redevelopment Agency Oversight Board Appointment

CANDIDATE INFORMATION FOR REDEVELOPMENT AGENCY OVERSIGHT BOARD
MEMBER:

NAME: Brian Probolsky

TITLE: Vice President

DISTRICT: Moulton Niguel Water District

☐ Check box if resume or statement of qualifications is attached.

SPECIAL DISTRICT SELECTION COMMITTEE MEMBER SUBMITTING NOMINATION

(Must be the presiding officer or a designated alternate board member.)

NAME: Scott Goldman DATE: 10-24-17

SIGNATURE: _____

TITLE: President

DISTRICT: El Toro Water District

A resume or other supplemental information about the candidate may be included and will be distributed with the election ballots. All completed nomination forms and any supplemental information must be returned to Orange County LAFCO by:

1. Email at: cemery@oclafco.org or
2. Mail at: Orange County LAFCO
2677 North Main Street, Suite 1050
Santa Ana, CA 92705; or
3. Fax at: (714) 640-5139, Attn: Carolyn Emery

All forms and supplemental information must be received by LAFCO by 3:00 p.m. on Tuesday, November 10, 2017. Nomination forms or candidate information received after that deadline will not be considered.

GENERAL MANAGER'S REPORT

October 2017

I. OFFICE OF THE GENERAL MANAGER

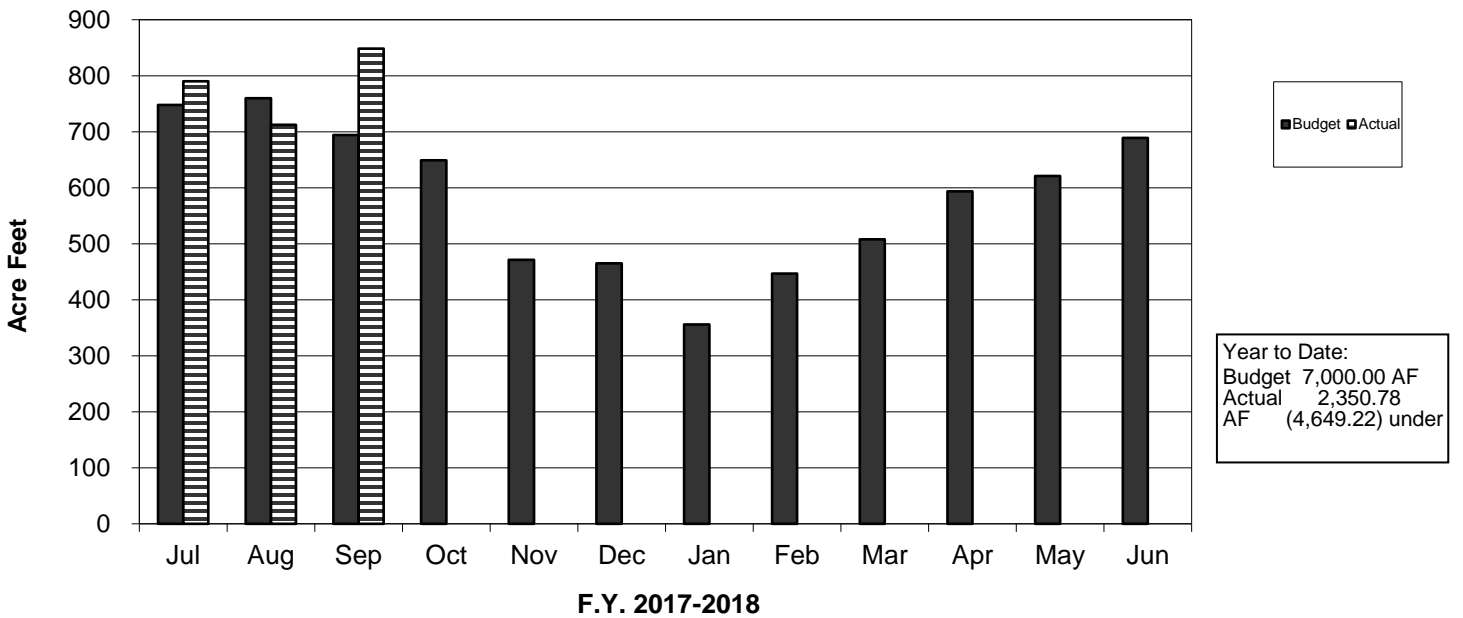
- Attended Chair/GM Meetings
- Attended the MWDOC Board Meeting
- Attended the MWDOC Managers Meeting
- Attended Conference Call with Sageview to Further Discussion about the on-going ETWD 401(k)/457 Provider Evaluation
- Attended Strategic Planning Meetings
- Attended Chair/GM Meeting
- Attended Special Board Meeting Regarding Sageview's Report
- Attended Meeting with Matt Goss Regarding OPEB/CalPers

II. DOMESTIC AND RECLAIMED WATER SALES

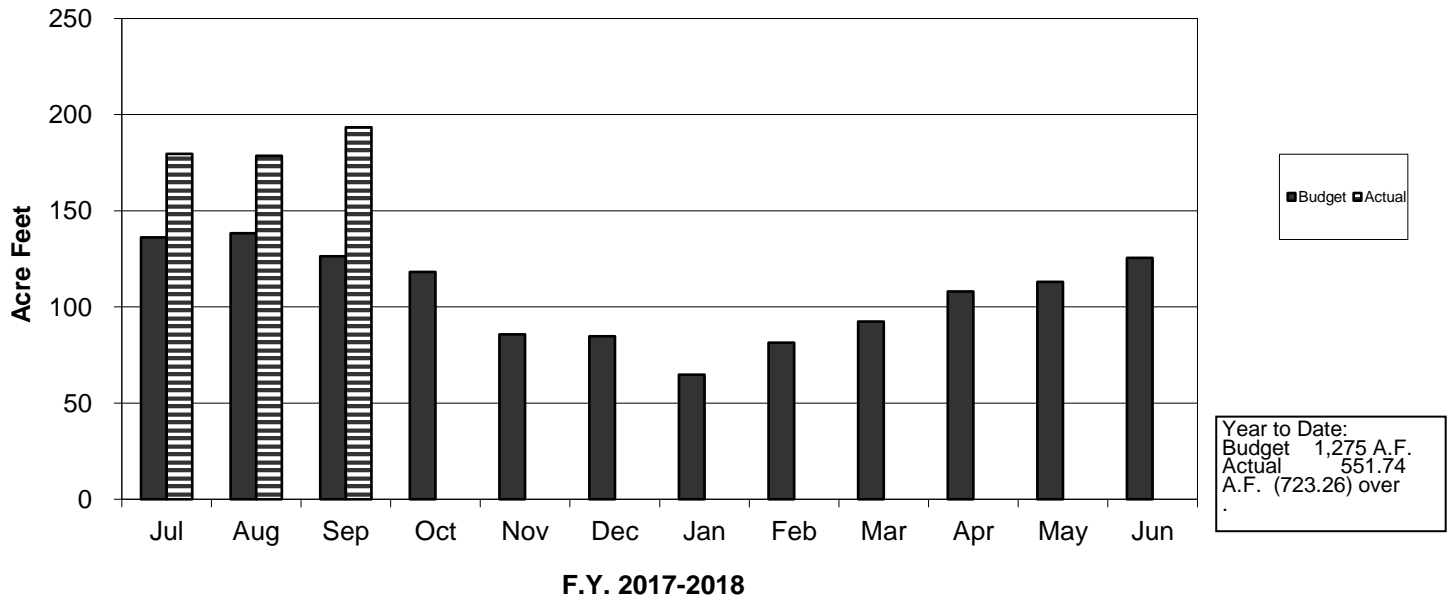
Actual domestic sales for the year-to-date as of September 30, 2017 are 2,350.78 acre-feet. This compares to year-to-date budgeted domestic sales of 2,201.18 acre-feet. The year-to-date variation in actual to budgeted sales reflects an increase of 149.60 acre-feet. Actual sales are 130.79 acre-feet higher than last year-to-date actual sales for the same period.

Recycled water sales for the year-to-date are 551.74 acre-feet, compared to 400.93 acre-feet budgeted for the same period.

DOMESTIC WATER SALES



RECLAIMED WATER SALES



Customer Service Activity Report

SEPT. 2017

Regular Service Calls	SEPT-2017	SEPT 2016	Telephone Calls	SEPT-2017	SEPT-2016
Serviceman Dispatched to Read, Connect/Disconnect Service	63	94	Change of Service	97	233
Field Investigations:			Billing/Payment & Graph Inquires	437	967
Check for leaks-calls to the CS			Credit Card Info/payment	149	216
office(irrigation,meter,street leaks):			Variance/Waiver Request	98	209
Customer Responsible	20	19	Variance/Waiver Requests Processed	27	18
District Responsible	11	6	Ordinance Infraction	4	5
None found/other	10	3			
High Reads Checked - High Consumption (Billing Dept)			Other District	133	163
Cust Leaks _10_ No Leaks _14_	24	9	Departments	146	200
Check StoppedSlowed Meters-Low Consumption (Billing)	2	2	Calls for the B.O.D.	2	3
Re-Check Read	12	7	Recycled Water	6	1
Ordinance Infraction	4	1	Water Quality Taste - Odor - Color	1	1
Recycled Water	0	0	Leaks/Breaks	61	86
Water Quality Taste-Odor-Color Total	0	1	Flooding (Hydrant) Meter calls	2	2
Phone response _0_ Field response _0_			Sewer Problems	2	10
Flooding (Hydrant) Meters issued	0	0	Backflow/Cross Connection	6	15
Sewer - Odor/Stoppage/ Manhole Covers	2	0	ETWD Facilities Check - Boxes, Covers,Lids, Hydrants, Pump Stations, Graffiti - "Gen. Maint"	2	9
Meter Box /Lids/Covers Replaced	10	20	Tyco (ADT) Calls	6	0
Meter Box Clean, Digout	4	9	ATT Calls	0	10
Raised Meter Box	1	1	SCE Calls	0	8
Trim Bushes/Meter Obstruction	6	1	Pager Calls for Pump Stations - SCADA	0	0
General Maint Response	7	3	Payment Extensions	129	270
Fire Hydrants - Hit / Leaks / Caps	3	3	Delinquent Payment Calls to Customer 's (*No longer made by CS)	2	42
Pressure(psi) Checks /Reads	1	3	Return Calls on Customer's VM & Email's	38	56
CSSOV(Angle Meter/Ball/Gate/Glob Valve - chk,repair,replace)	8	7	Email Correspondence	283	281
Bees Removed	3	2	**Misc. - Bees, PSI, Fogged/Dirty Register	0	0
Backflow/Cross Connection	3	3			
Fogged Registers	0	0			
OMCOP-Old Meter Change- Out Program	8	30			
Other - (uncommon non-maintenance calls)	2	1			
On-Call After Hrs. CS Response	32	29			
# 48/24 Hr. Door Hangers Hung	170	350			
# Locked Off For Non-Pay (Disconnect)	14	5			
Removed Meter	1	*			
New Meter	4	*			
Unread Meters	16	*			
Total Field Investigations	441	609	Total Telephone Calls	1631	2805
Uncollectible Accounts:			Credit Card Payments	SEPT. 2017	SEPT.2016
Budget YTD	5,000	\$6,250	REGULAR	528	\$58,412.48
Actual YTD	5,711	\$0	DISCONNECTS	603	\$72,891.39

* = New Code

MICROBIOLOGICAL MONITORING

SEPTEMBER 2017

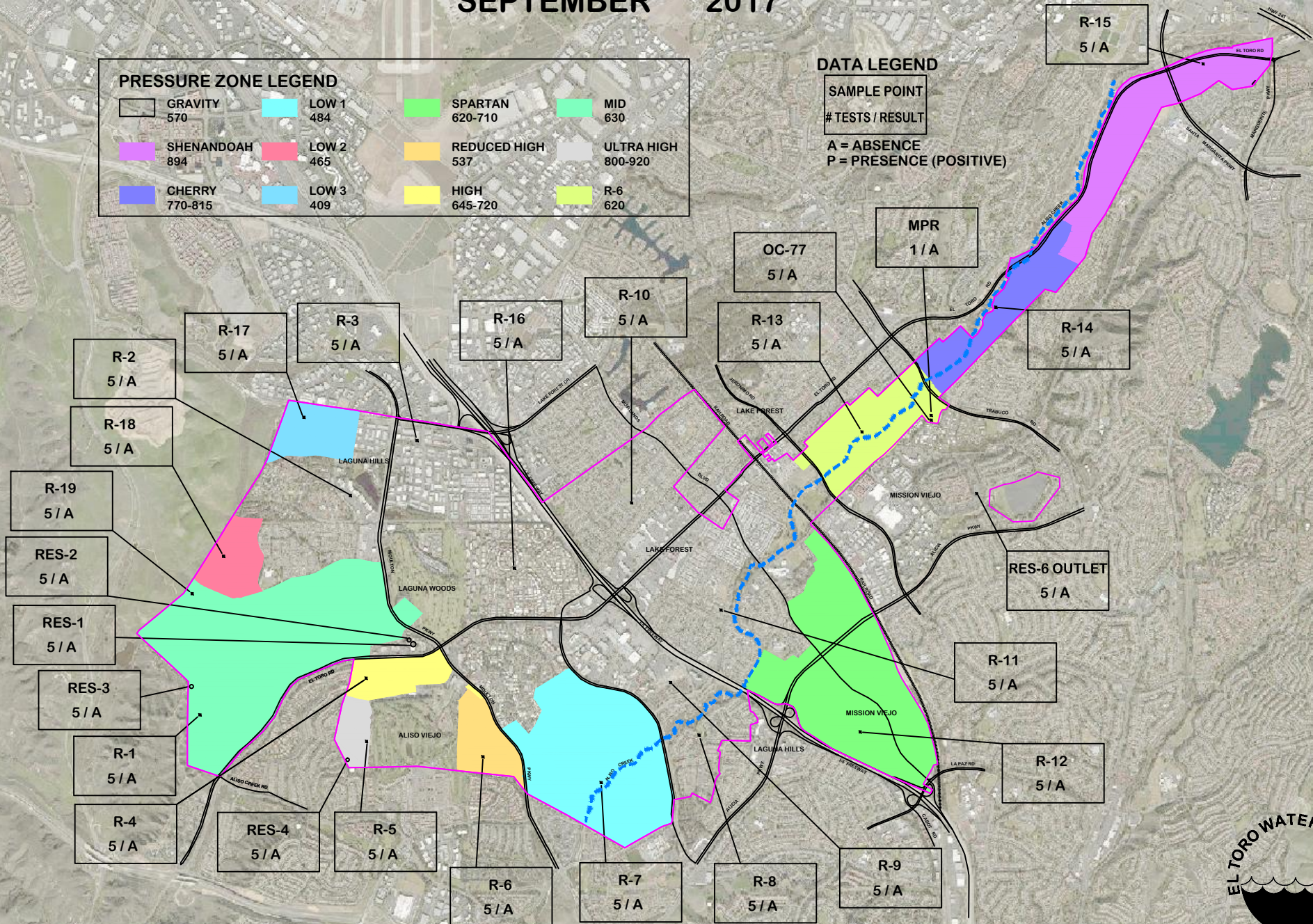
PRESSURE ZONE LEGEND

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

DATA LEGEND

SAMPLE POINT
TESTS / RESULT

A = ABSENCE
P = PRESENCE (POSITIVE)



CHLORINE RESIDUAL MONITORING

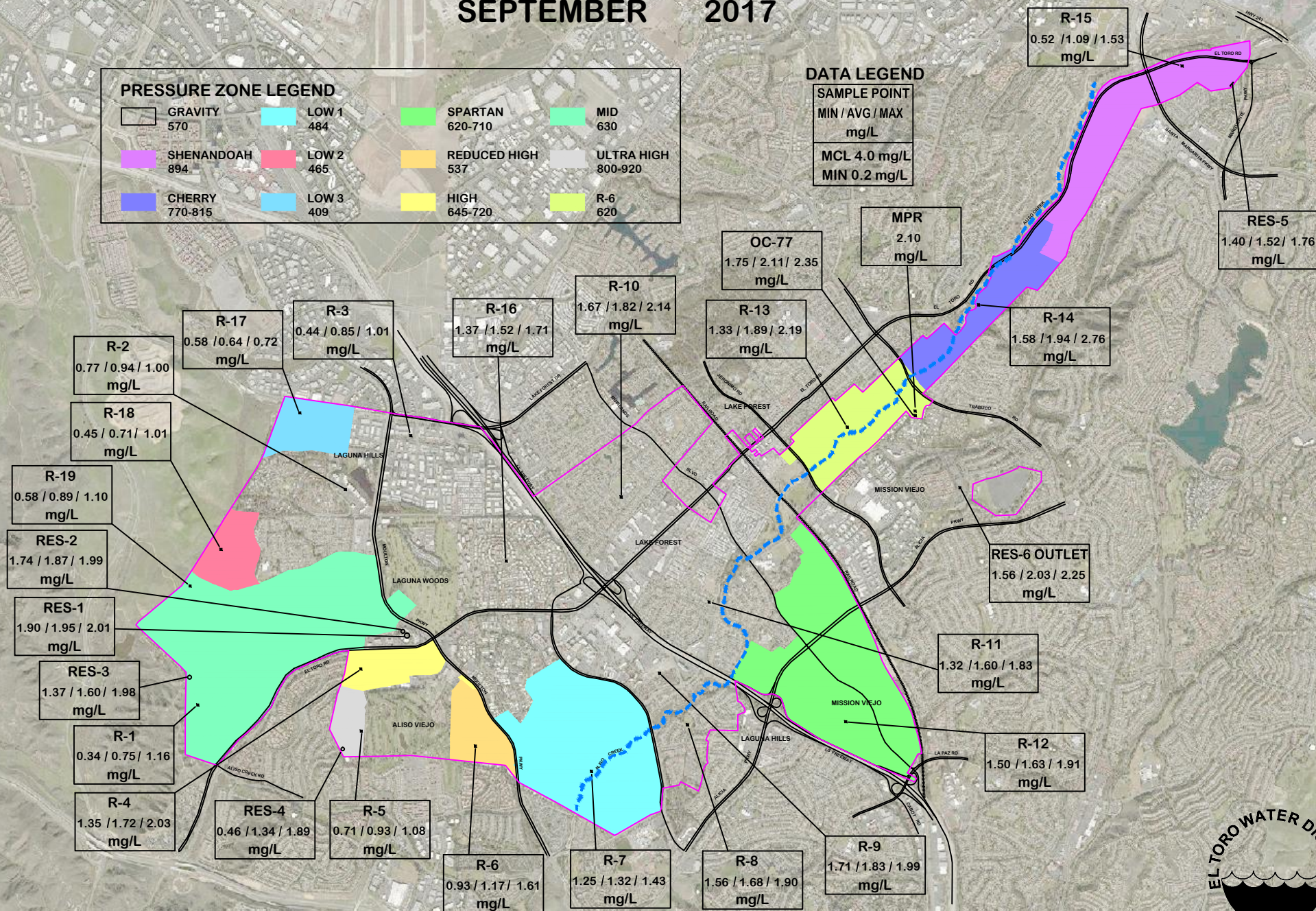
SEPTEMBER 2017

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

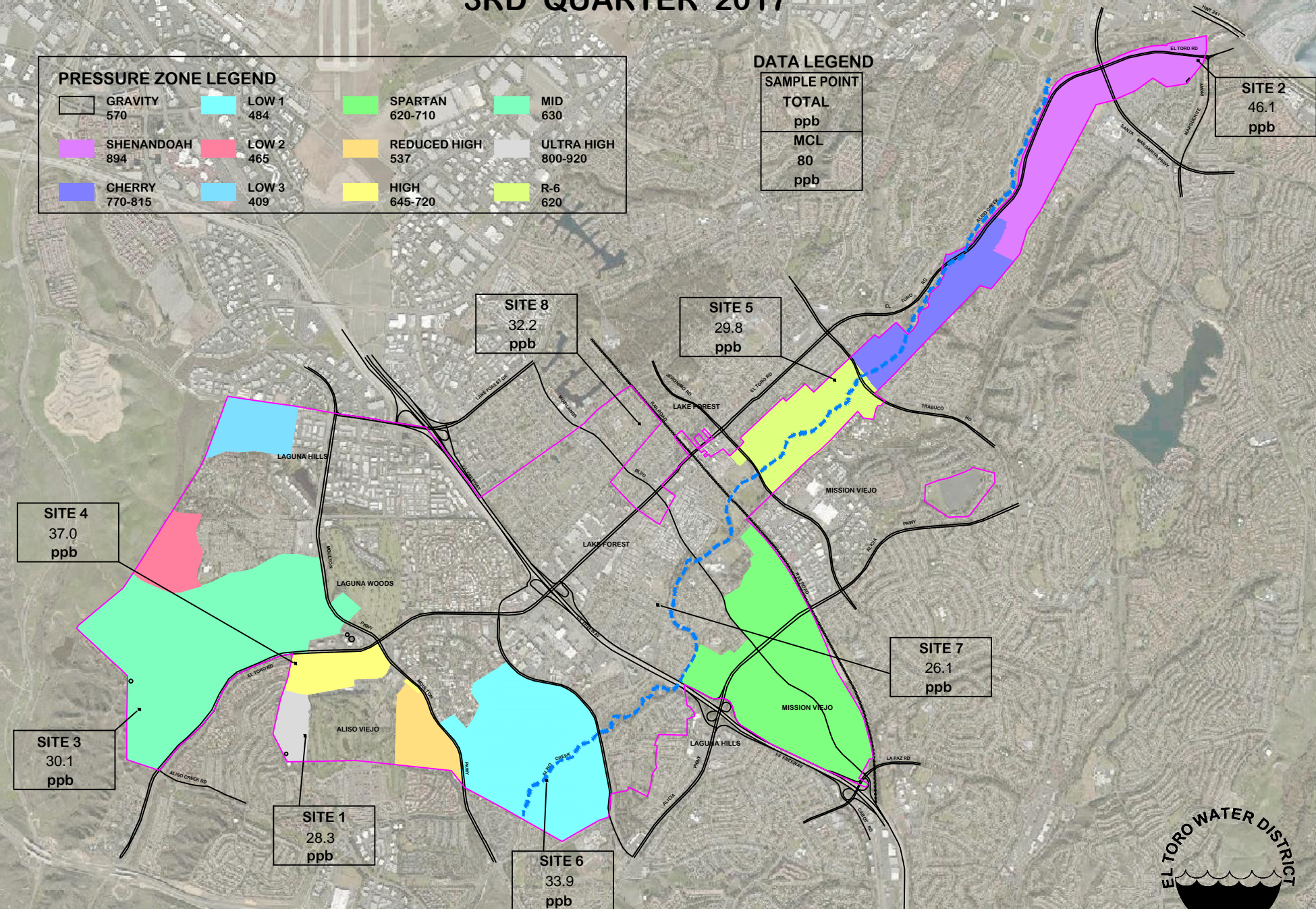
DATA LEGEND

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

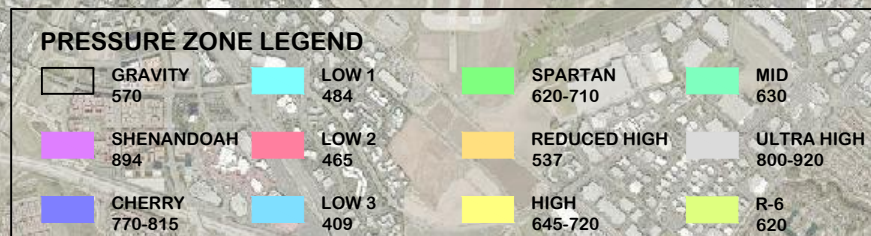


STAGE 2 TOTAL TRIHALOMETHANES (TTHM) MONITORING

3RD QUARTER 2017

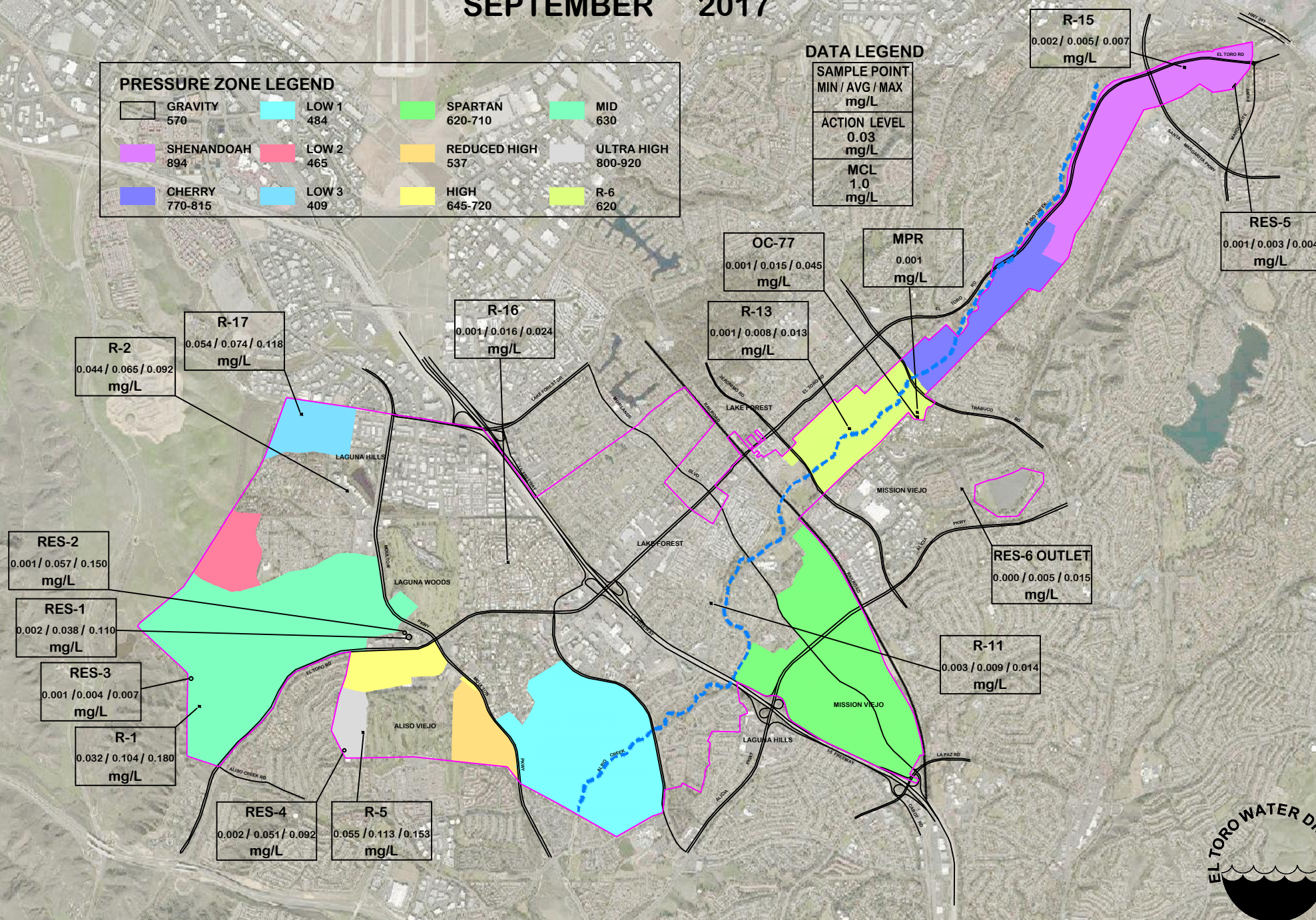


SEPTEMBER 2017



DATA LEGEND

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



FLUORIDE MONITORING

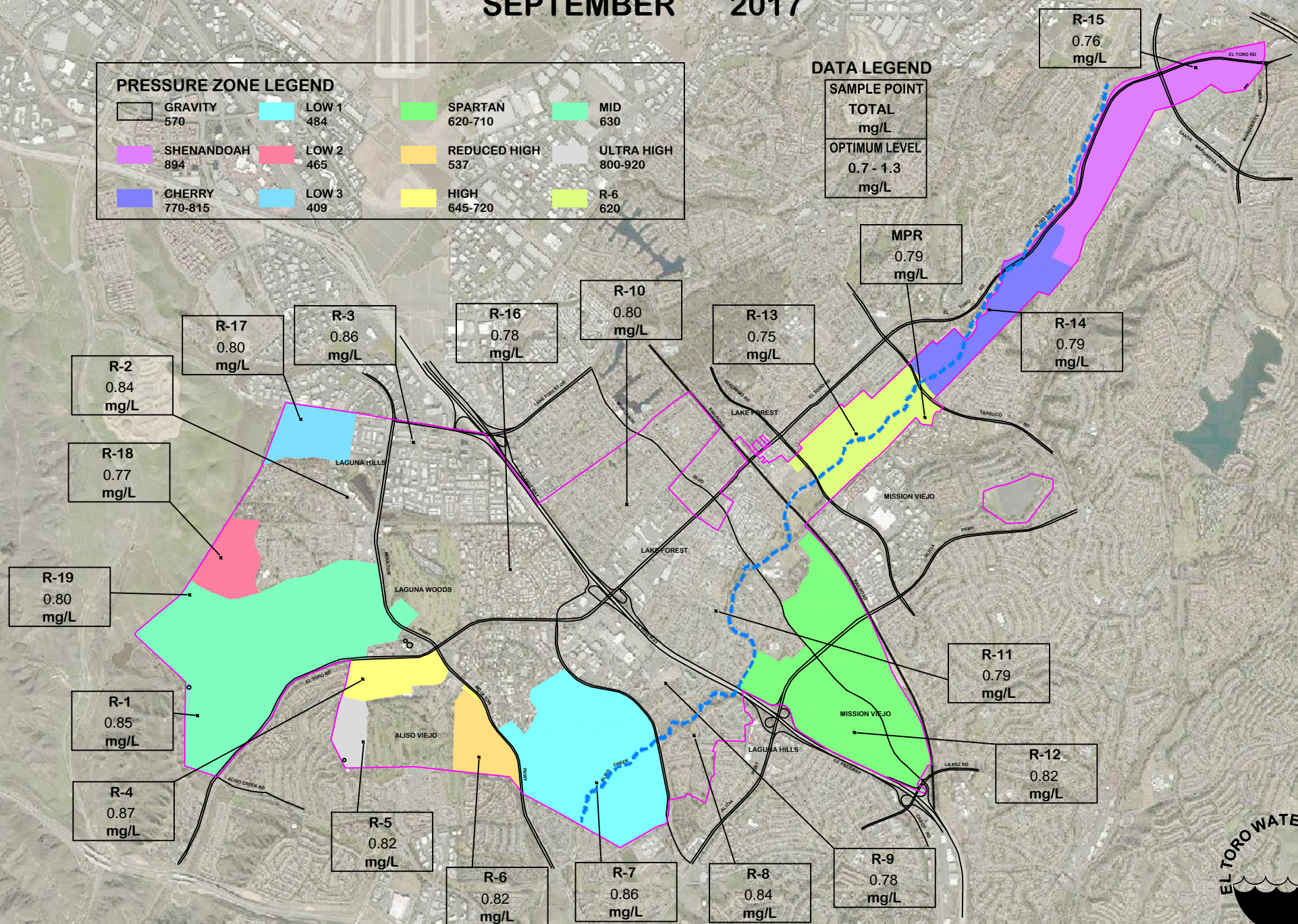
SEPTEMBER 2017

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

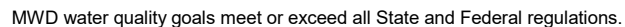
DATA LEGEND

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

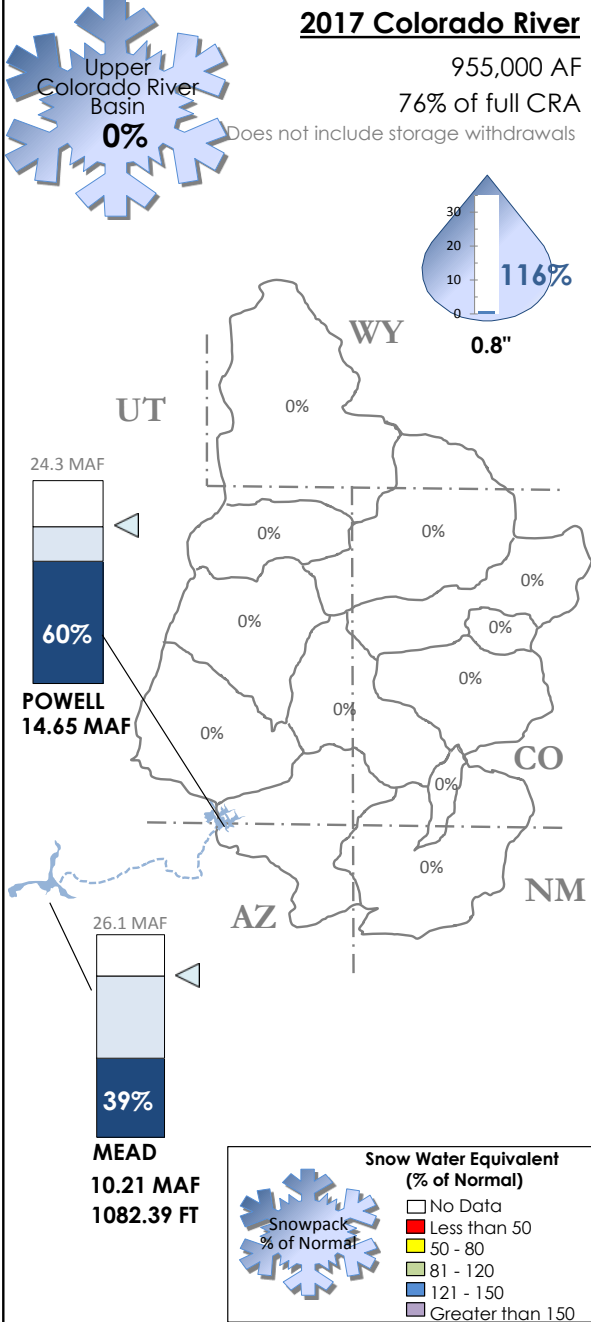


Wednesday, October 04, 2017

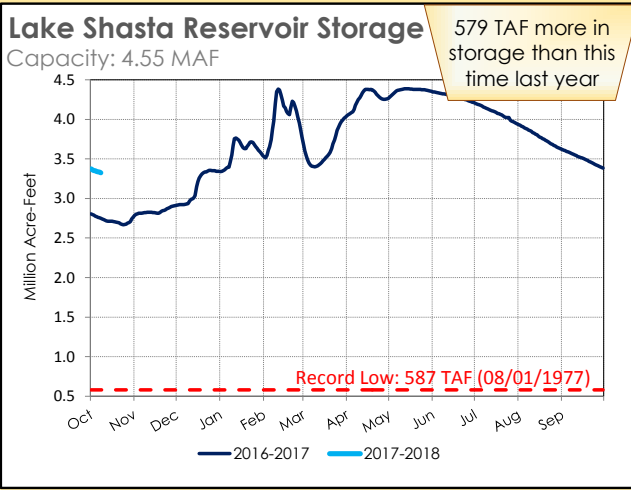
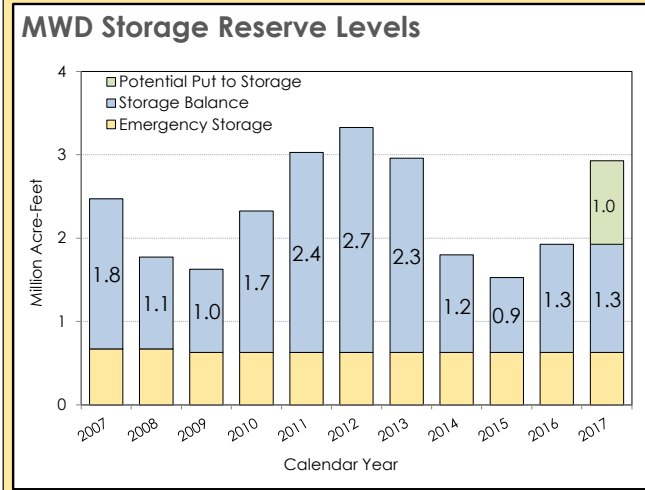
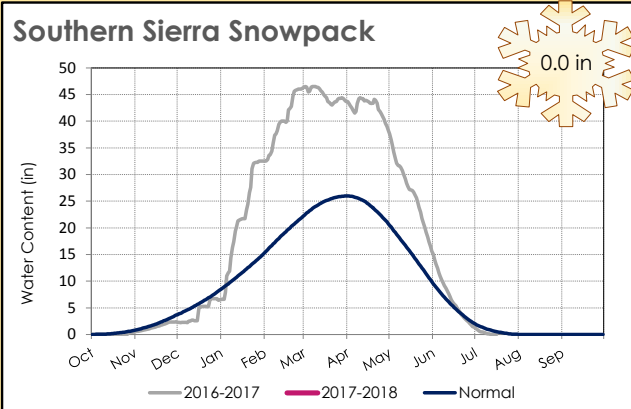
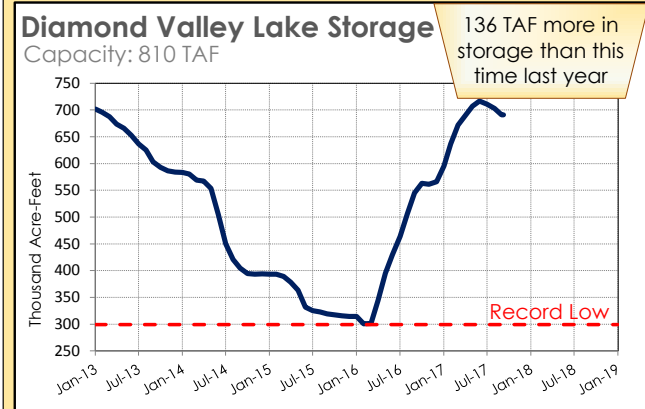
No violations of State or Federal regulations were recorded during the current period.



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



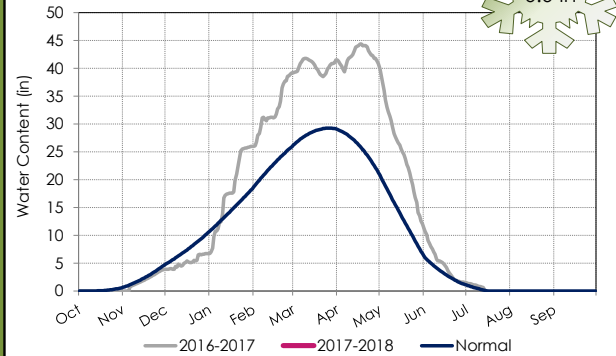
Happy New Water Year!



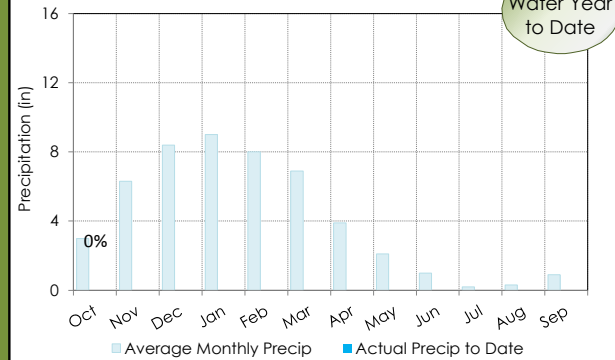
As of: 10/08/2017

State Water Project Resources

Northern Sierra Snowpack



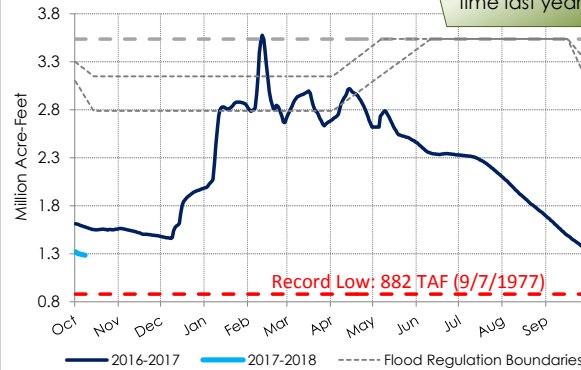
8 Station Index Precip



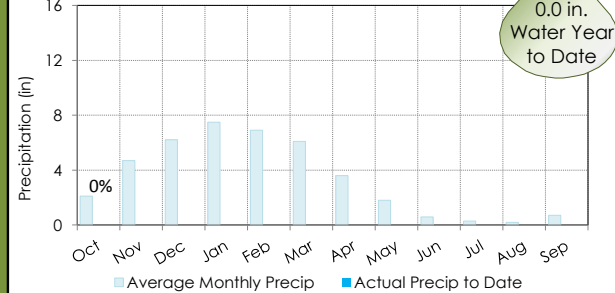
Oroville Reservoir Storage

Capacity: 3.5 MAF

294 TAF less in storage than this time last year



5 Station Index Precip

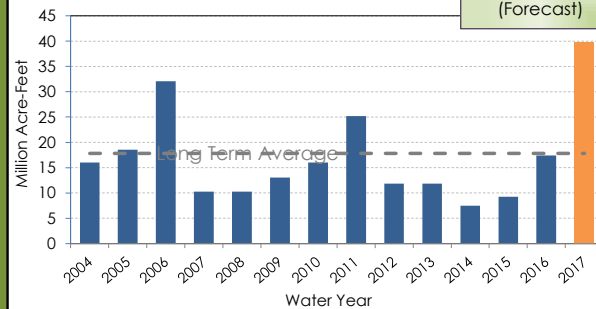


Other SWP Contract Supplies for 2017 (AF)

Transfer/Exchanges	16,000
Article 21	124,000
Pool A/B (Purchased)	0
Carryover Supplies	210,000

Sacramento River Runoff

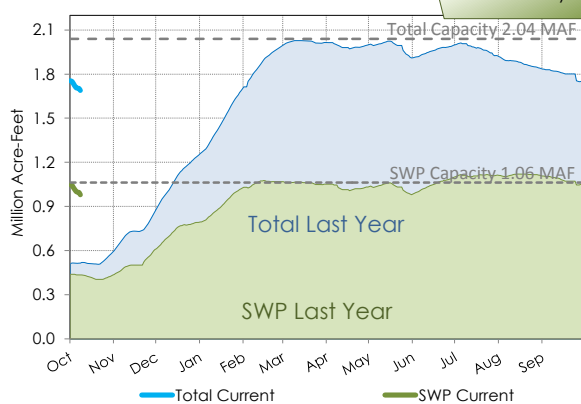
WY 2017
224% of normal
(Forecast)



San Luis Reservoir Storage

Capacity: 2.04 MAF

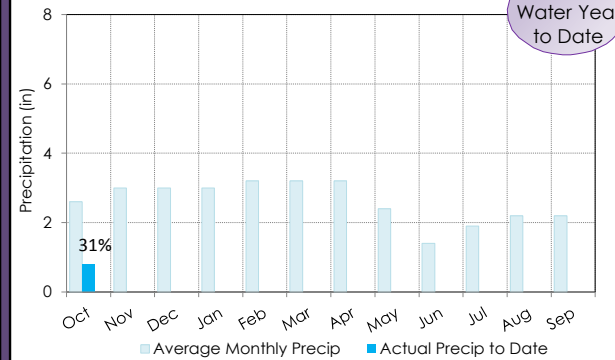
546 TAF more in SWP storage than this time last year



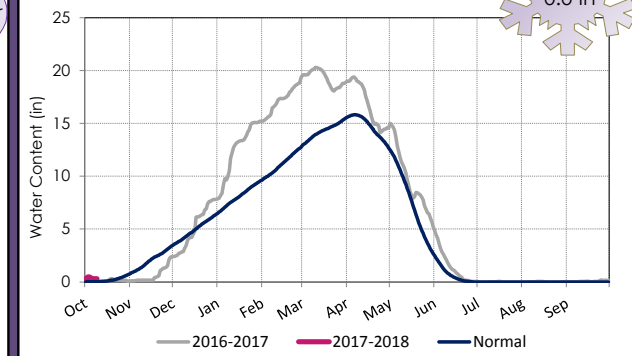
Colorado River Resources

As of: 10/08/2017

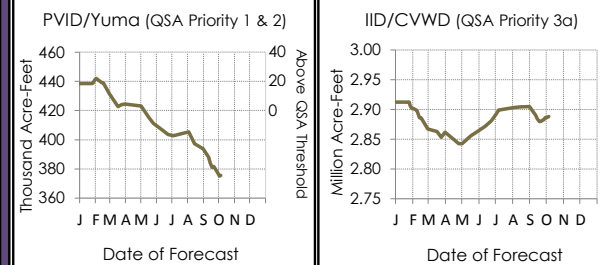
Upper Colorado Basin Precip



Upper Colorado Basin Snowpack



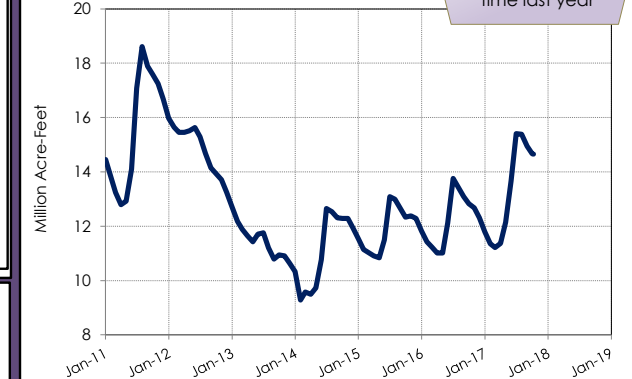
2017 Colorado River Ag Use



Lake Powell Storage

Capacity: 24.3 MAF

1.85 MAF more in storage than this time last year



Lake Mead Shortage/Surplus Outlook

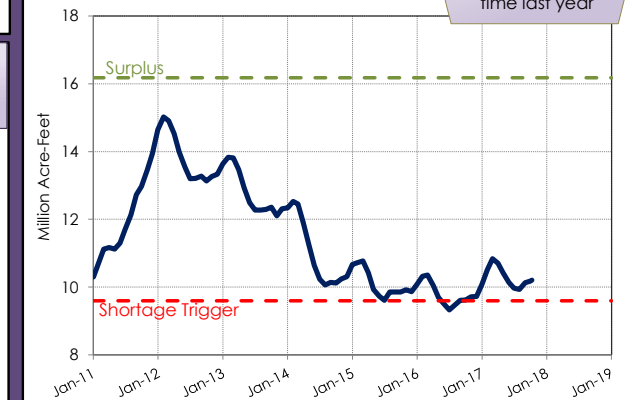
	2018	2019	2020	2021	2022
Shortage	0%	0%	42%	45%	52%
Surplus	0%	0%	7%	12%	17%

Likelihood based on results from the August 2017 USBR CRSS model run.

Lake Mead Storage

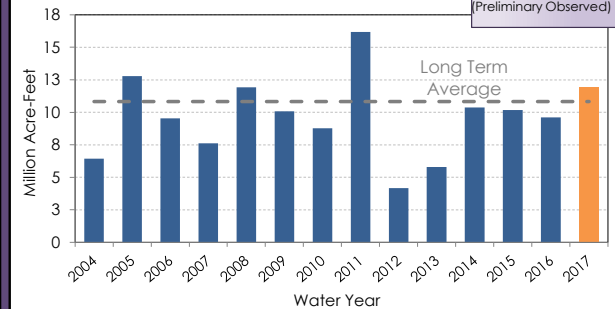
Capacity: 26.1 MAF

563 TAF more in storage than this time last year



Powell Unregulated Inflow

WY 2017
110% of normal
(Preliminary Observed)



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

MONTH ENDING:

September

2017

ODOR COMPLAINTS	NUMBER	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village				
Outside Laguna Woods Village				
Laguna Woods Village	1	2322 Via Puerta - Crew member surveyed area and found no odors		
New World				
Private System				
Other: WRP				
TOTAL	1			
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	1,608			
Laguna Woods Village	10,322			
New World				
Private System		Laguna Village		
Hot Spots	22,735			
ETWD TOTALS:	34,665			
SANTA MARGARITA TOTALS:				
COMBINED TOTALS:	34,665			
TV INSPECTIONS	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village	6,063			
New World				
Private System				
Other				
TOTAL	6,063			
Wet Wells	3	Mathis-Veeh-Northline		
Flow Meter/Sampling	0			
WATER TANK FILLS	33,000			

**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:		September		YEAR : 2017	
CONSTITUENT ANALYSIS		INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	151(A)	Pres/Absence	0	Average
2 Chlorine (ppm)	Detectable Resid	183	Average = 1.31 ppm	0	
3 TTHM (ppb) (Stage 2)	0.080 ppb		N/A	0	32.9 ppb
3 HAA5 (ppb) (Stage 2)	0.060 ppb		N/A	0	11.9 ppb
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.03 to 0.08	0	
Odor	3 Units	20	ND<1	0	
Color	15 Units	20	ND<5	0	
Temperature	No standard	20	77°F To 84°F	0	
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	97	0.000 to 0.150 Res.	0	

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



Memorandum

DATE: October 12, 2017
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 Tier 2 volume for MWD OC, and selected water supply information.

- Fig. 1 OC Water Usage, Monthly by Supply MWD imported water was the main supply in August, imported usage has increased due to the In Lieu program.
- Fig. 2 OC Water Usage, Monthly, Comparison to Previous Years Water usage in August 2017 was below average compared to the last 5 years but was higher than in August of 2015 but less than July 2016. We are seeing a slight increase in overall water usage compared to the historical lows of the 2015-16 Fiscal Year. In June 2016, all water conservation became voluntary for MWD OC agencies and the Great California Drought was declared over by the Governor in April 2017.
- Fig. 3 Historical OC Water Consumption The Fiscal Year is very new but OC water consumption is projected to be 550,000 AF in FY 2017-18 (*this includes ~15 TAF of agricultural usage and non-retail water agency usage*). This is about 25,000 AF more than FY 2016-17 and is about 58,000 AF more than FY 2015-16 (During the SWRCB mandatory water restrictions). Water usage per person is projected to be slightly higher than in FY 2017-18 for Orange County at 148 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.

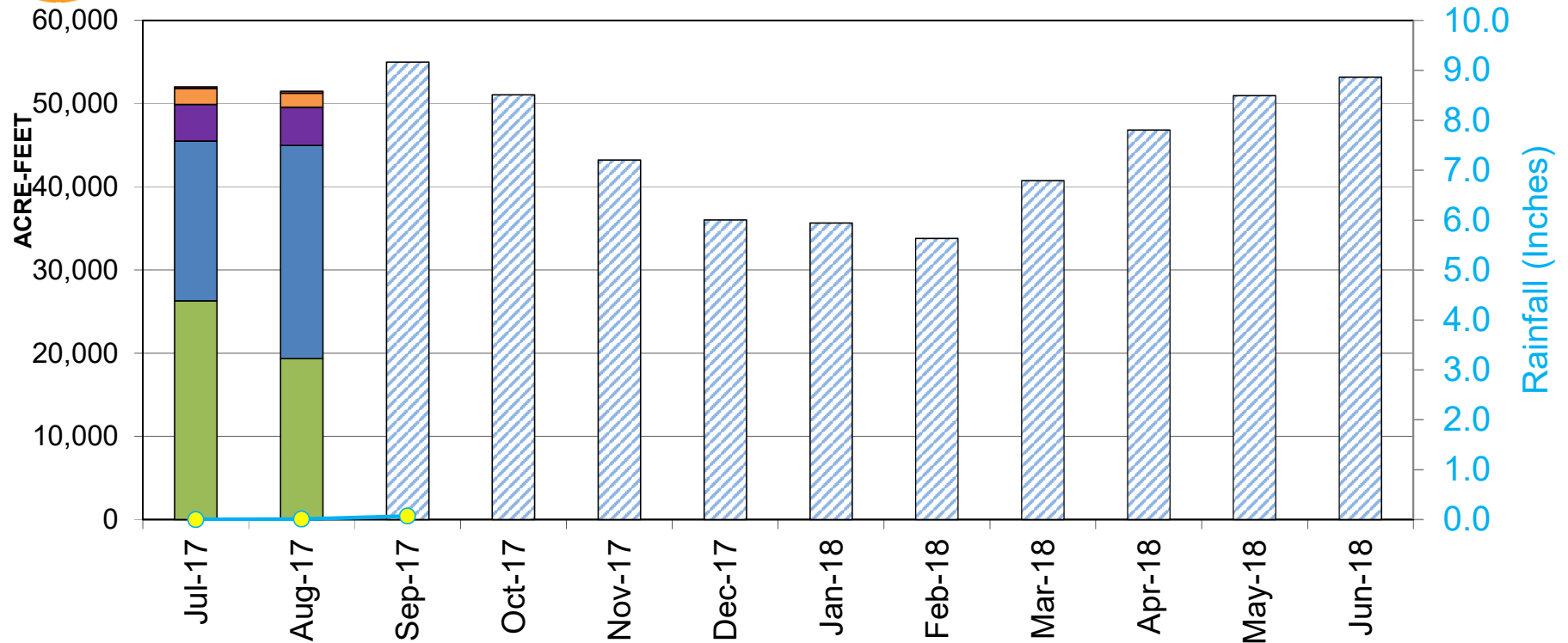
MWD OC "Firm" Water Purchases, 2016 "Firm" water above the Tier 1 limit will be charged at the higher Tier 2 rate. Tier 2 purchases are zero in 2017.

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 rainfall through October was average for this period. Orange County saw rainfall 8 inches above normal in WY 2017.
- Northern California accumulated precipitation through October was around 0% of normal for this period. Water Year 2017 was the wettest water year on record. The Northern California snowpack was 195% of normal as of May 26th. The State of California was in a declared Drought Emergency that started January 2014 and just recently ended in April of 2017. As of early October, only 8% of California is still suffering from moderate or severe drought. The State Water Project Contractors Table A Allocation was set at 85% as of the end of April.
- Colorado River Basin accumulated precipitation through October was 0% average for this period. The Upper Colorado Basin snowpack was 152% of normal as of May 22nd. The Colorado River Basin saw above average conditions in WY 2017 but the region has been still trying to rebound from the previous long term drought. Lake Mead and Lake Powell combined have about 68% of their average storage volume for this time of year. 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 late August, Lake Mead levels were 6.5' above the "trigger" limit. The USBR predicts that the end of 2017 or the end of 2018 will not hit the "trigger" level.



**Fig. 1A 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, "Barrier Replenishment" deliveries, 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 '16-17 is 75%.
- [3] MWD OC's estimate of monthly demand is based on the projected FY 15-16 "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. 1B O.C. Historical Water Usage

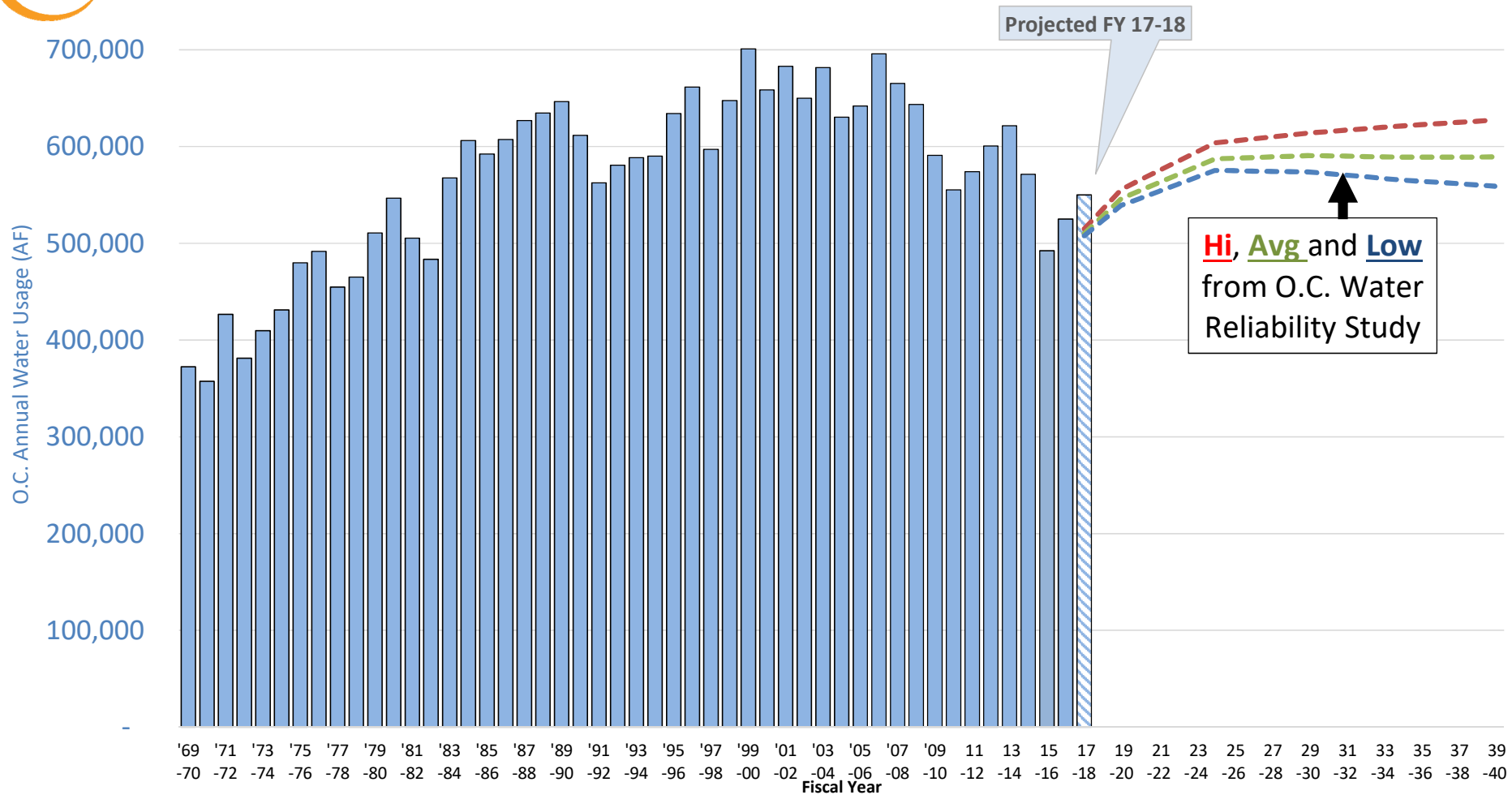
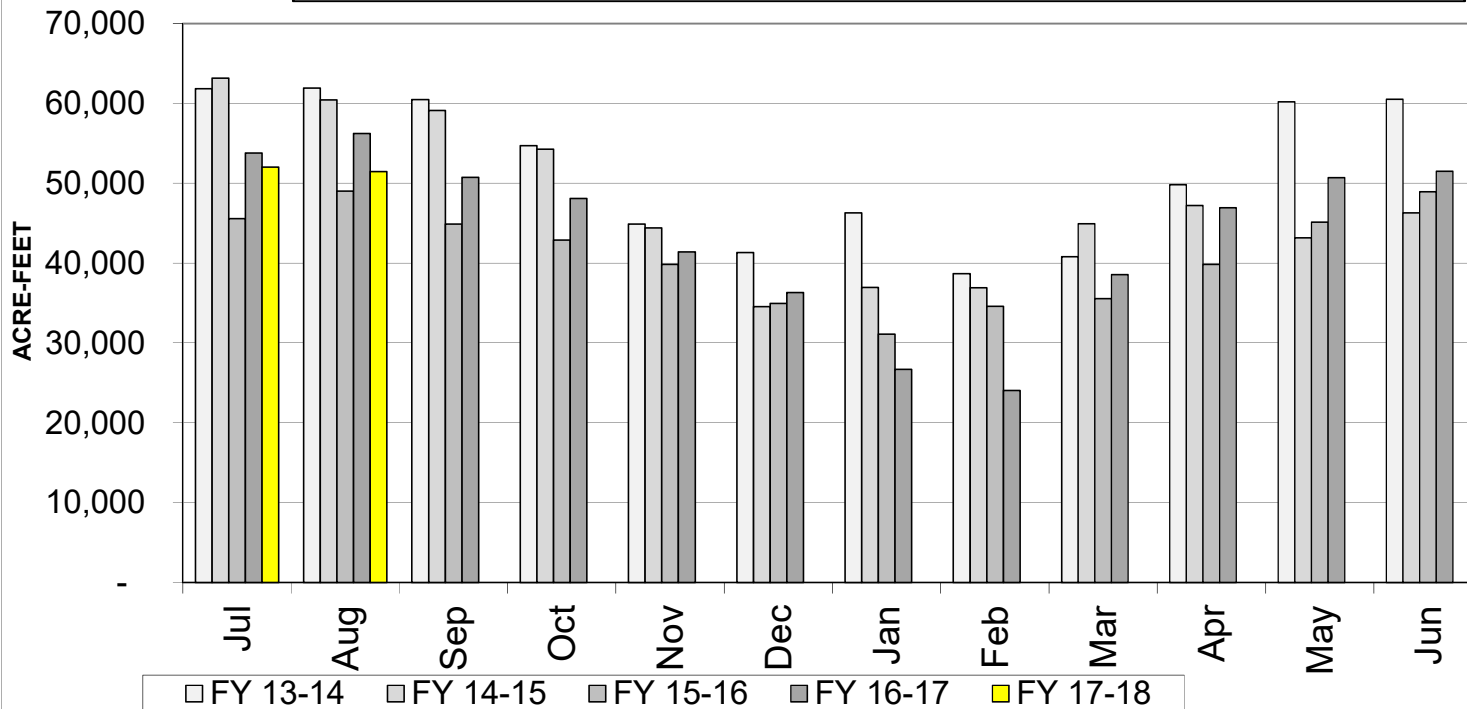
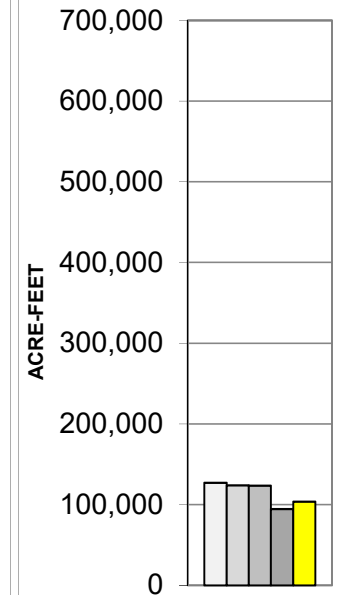




Fig. 2A OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years

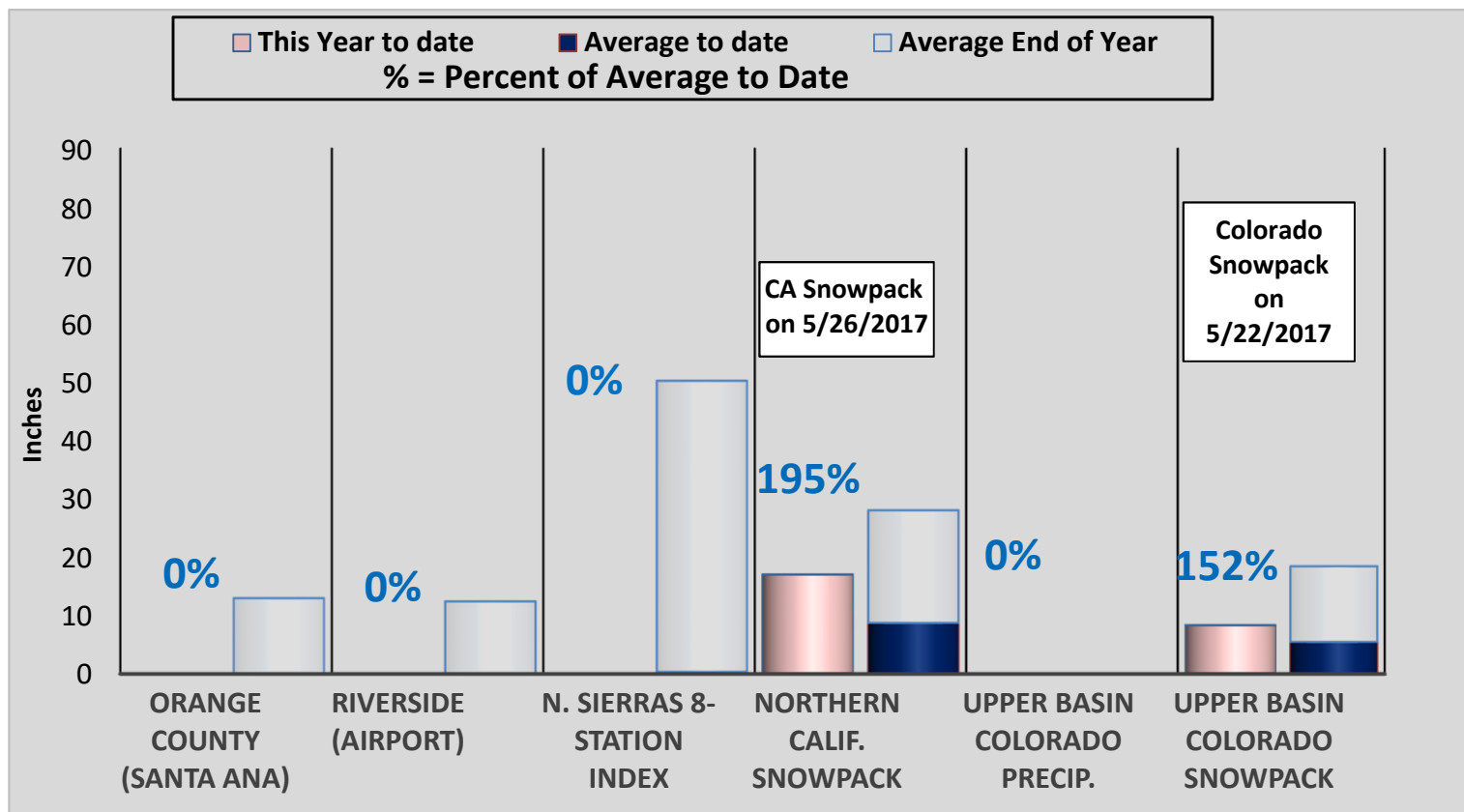


Partial Year Subtotals



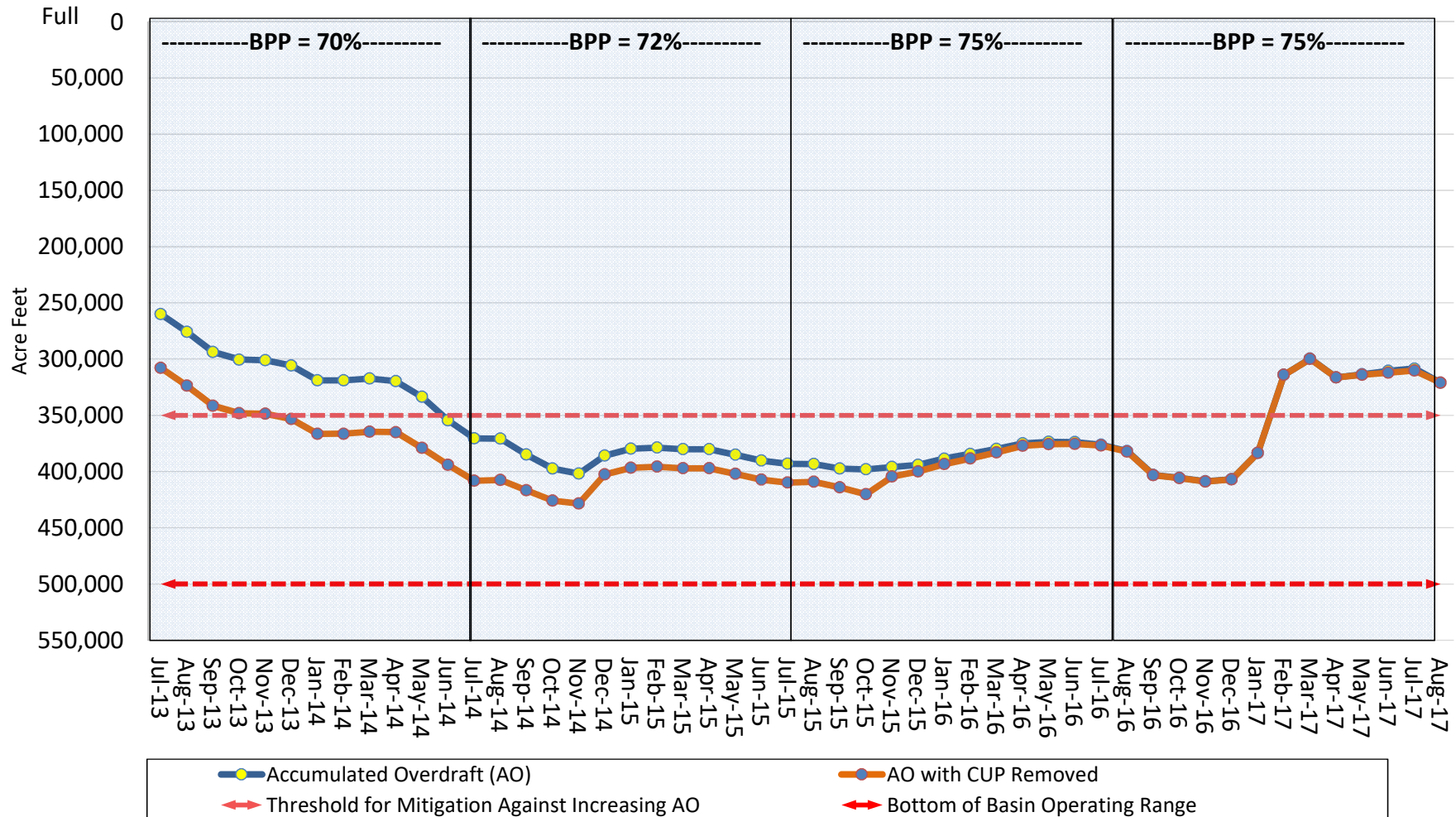
[1] Sum of Imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water; excludes GWRS production, groundwater pumped to waste, and waste brine from water treatment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

Accumulated Precipitation for the Oct.-Sep. water year, through Early October 2017



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

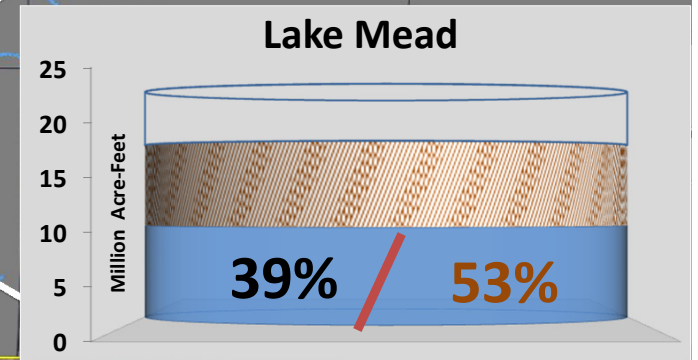
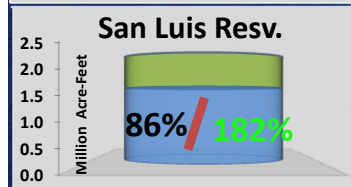
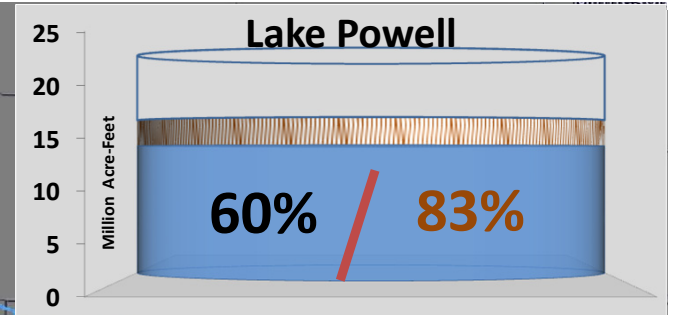
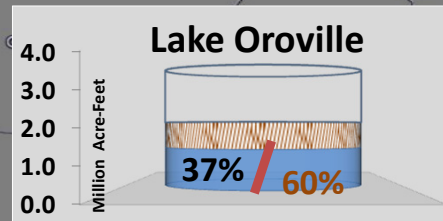
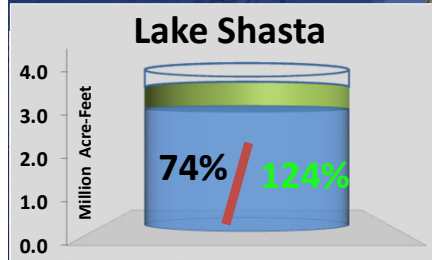
Accumulated Overdraft of the OCWD Groundwater Basin as of August 2017



	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
AO (AF)	376,310	381,800	403,047	405,635	408,729	406,832	383,548	314,004	299,755	316,286	313,468	310,434
AO w/CUP removed (AF)	376,864	382,340	403,223	405,811	408,906	407,009	383,548	314,004	299,931	316,462	314,009	312,164
	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
AO (AF)	308,488	321,131										
AO w/CUP removed (AF)	310,216	321,131										



State Water Project, Colorado River, and MWD Reservoir Storage
as of October, 3rd 2017



% of Capacity

% of Historical Avg.

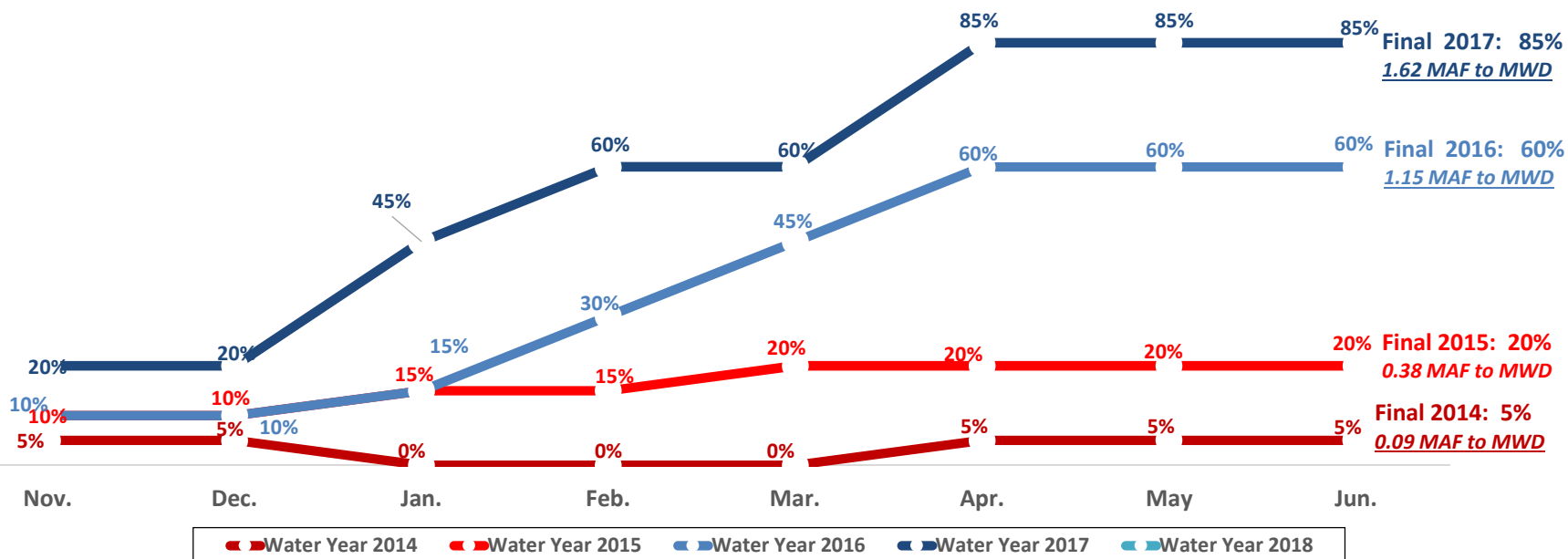




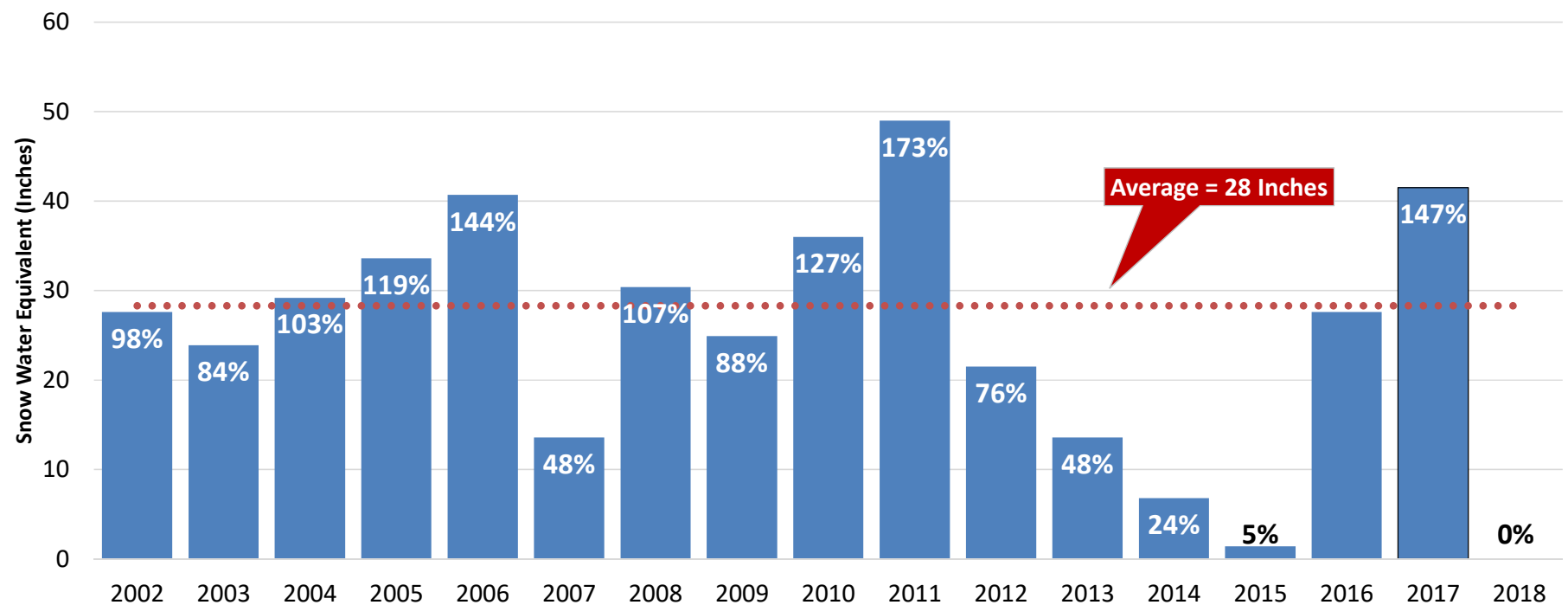
SWP TABLE A ALLOCATION

FOR STATE WATER PROJECT CONTRACTORS

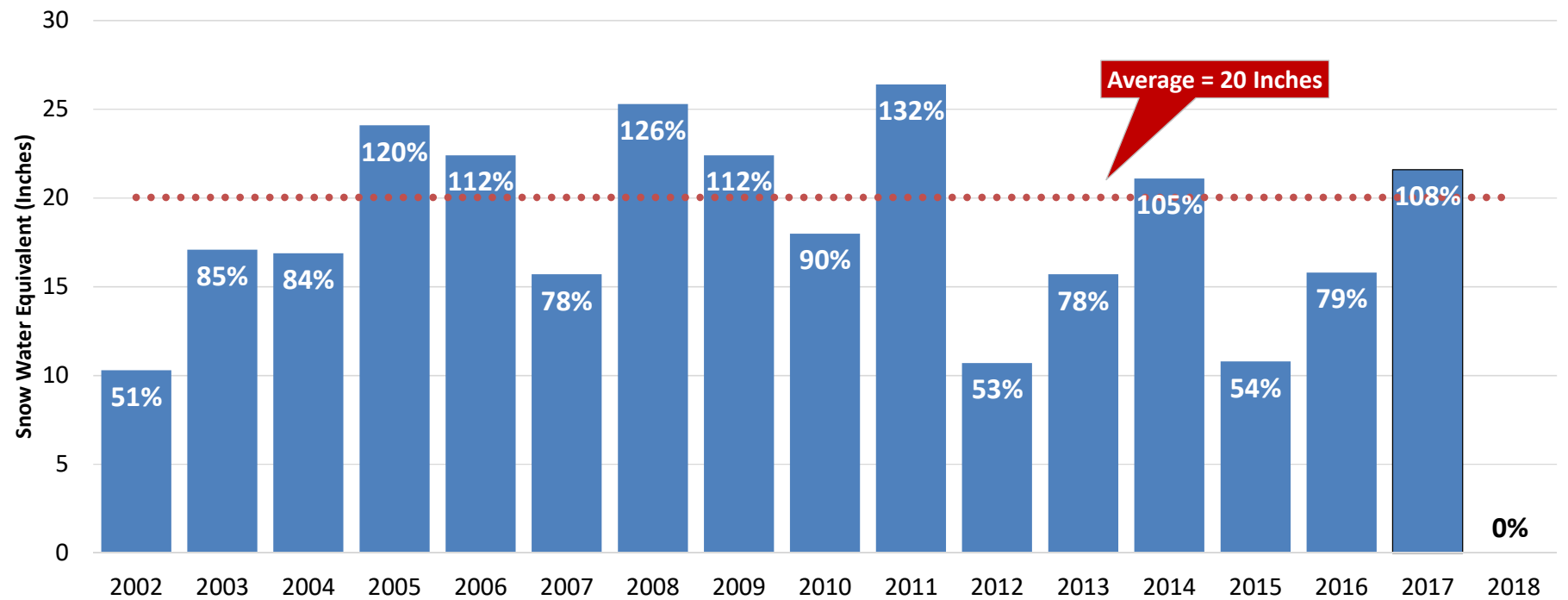
Final 2018: ???



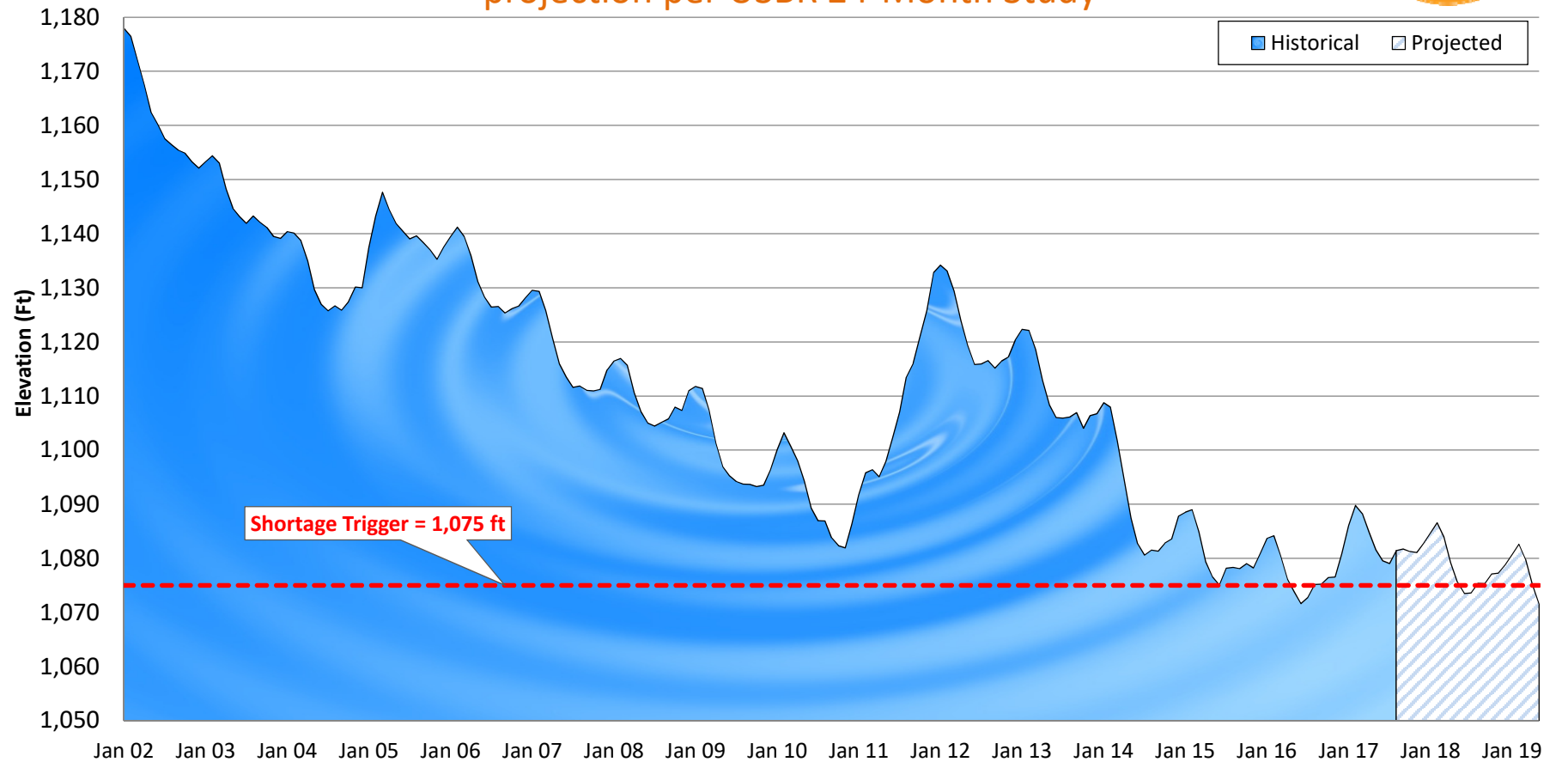
Historical Northern California April 1st Peak Snow Water Equivalent



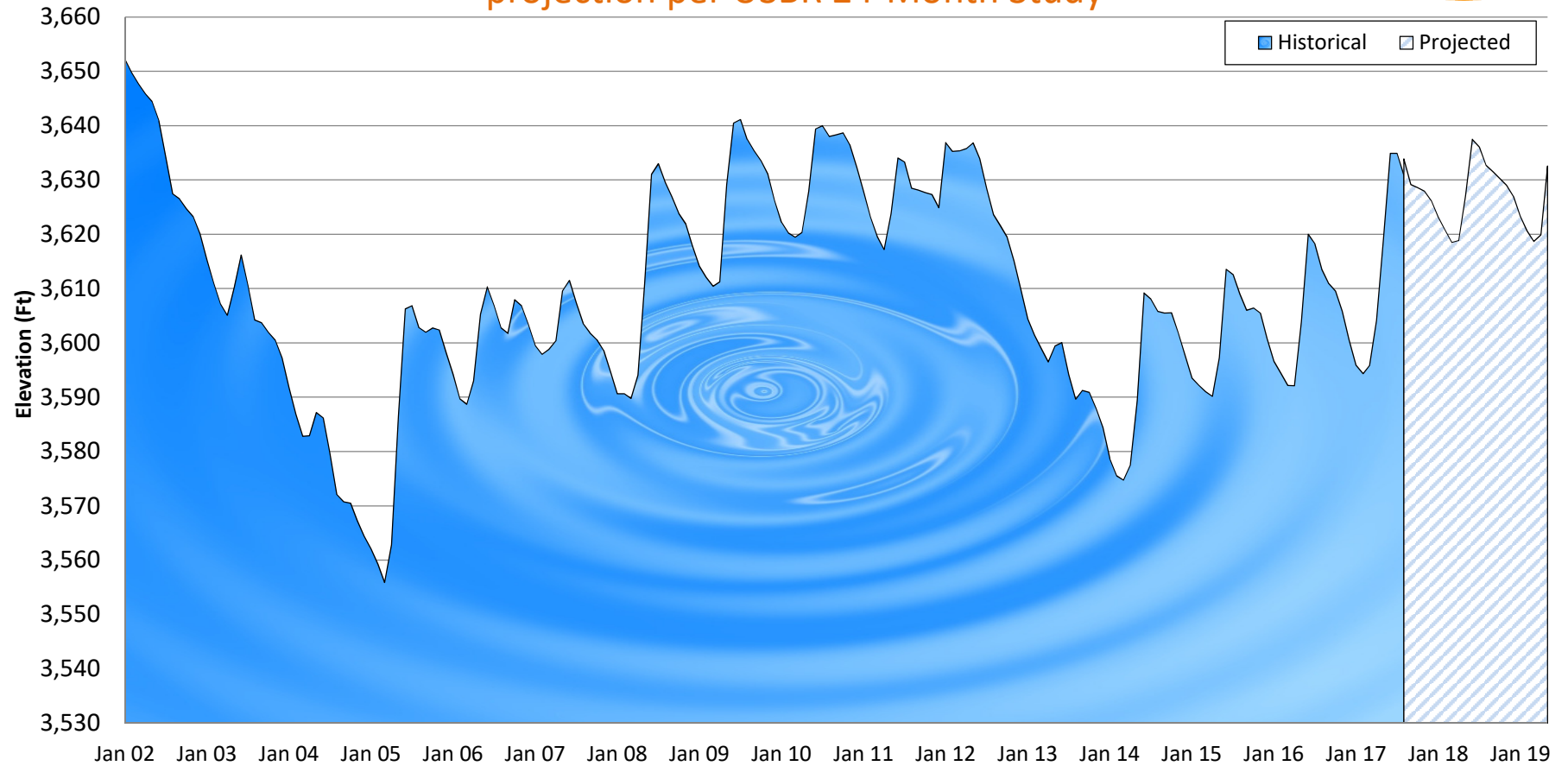
Historical Colorado Basin April 15th Peak Snow Water Equivalent



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



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



WILL SERVE REQUEST STATUS REPORT

(September 2017)

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
12/12/16	Adams-Voit, LLC	23402 South Pointe Dr. Fire Service	ND	23402 South Pointe Dr.	Issued	1/11/17
1/18/17	Laguna Hills Restaurants, LLC	Farmer Boys Restaurant	ND	23952 Avenida De La Carlota	Issued	1/19/17
6/21/17	23961 Calle De La Magdalena Investors, LLC	Calle De La Magdalena Fire Service	ND	23961 Calle De La Magdalena	Issued	6/28/17
6/22/17	Precision Hospitality & Development, LLC	Dunkin Donuts	ND	23771 El Toro Rd.	Issued	7/24/17
9/14/17	Elite Hospitality, Inc.	Home 2 Suites	ND	23061 Ave. de la Carlota	Issued	9/14/17

ND = New Development

**EL TORO WATER DISTRICT
UNAUTHORIZED DISCHARGE SUMMARY
YEAR OF 2017**

DATE	PUBLIC / PRIVATE	SPILL TYPE	LOCATION	REASON	IMMEDIATE CORRECTIVE MEASURES	PREVIOUS MAINTENANCE		POST-INCIDENT PREVENTIVE MEASURES	RWQCB	DISCHARGED TO	SPILL VOLUME (PUBLIC) Gallons		SPILL VOLUME (PRIVATE) Gallons		REGULATORY NOTIFICATION AND RESPONSE
						CLEANING	TV				CONTAINED	SPILLED	CONTAINED	SPILLED	
January 28, 2017	PRIVATE	RECYCLED	22182 Barbera, LH	Broken Irrigation Pipe	Shut-off meter and valve, took chlorine read at the storm drain (.03 mg/L)	N/A	N/A		8	San Diego Creek				600	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
February 1, 2017	PUBLIC	SEWER	23472 Los Adornos, LH	UNKNOWN	Clean out full, ran lateral and cleared stoppage	N/A	N/A	Washed down grass area around clean out	8	N/A					No unauthorized sewage discharge to report.
MARCH	NO		SPILL	TO	REPORT										
APRIL	NO		SPILL	TO	REPORT										
May 23, 2017	PRIVATE	SEWER	23501 El Toro Rd, LF	Grease Blockage	ETWD arrived spill had stopped, City set up traffic control	N/A	N/A	Washed down streets, curbs and collected rinse water	8	UNKNOWN				1,500	Notification to OES, SARWQCB, OCEH and LF, Reported to CIWQS
June 9, 2017	PRIVATE	SEWER	23592 Ave De la Carlota, LH	UNKNOWN	Set up sand bags in curb area, sucked out grease interceptor and line cleaned	N/A	N/A	Restuarnt to hire plumber	8	N/A			15		Notification to OES, SARWQCB, OCEH and LH, Reported to CIWQS
June 16, 2017	PUBLIC	RECYCLED	5489 W. Paseo Del Lago, LW	Broken Meter Gasket	Laid sand bags in the gutter, dechlorinated, shut meter to stop leak	N/A	N/A	Made repairs and placed meter back in service.	8					1,220	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
July 1, 2017	PRIVATE	RECYCLED	23201 Ridge Route Dr., LW	Broken 2" Sprinkler Line	stopped flow, LW ground Forman was notified	N/A	N/A	City to make repairs	8	Storm Drain				20,000	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
July 2, 2017	PRIVATE	RECYCLED	22535 Caminito Pacifico, LH	Broken Angel Valve	Stopped flow	N/A	N/A	Fixed the broken valve and cleaned up mud	8	Storm Drain				2,220	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
July 13, 2017	PRIVATE	RECYCLED	24402 Ridge Route Dr., LW	Irrigation Control Malfuntion	Turned off angle meter stop, made dam to stop flow	N/A	N/A	Contacted ground management for repairs, cleaned up area	8	Storm Drain				90	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
AUGUST	NO		SPILL	TO	REPORT										
September 19, 2017	PUBLIC	SEWER	Westline Forced Main, LW	Contactior Hit Line	Turned off pumps at LS. 2-ETWD and 3-MNWD vactors located at LS and MH to redirect flow	N/A	N/A	Repaired 8' of AC pipe, installed PVC with two couplings and slowly loaded line and ran LS under normal flow conditions	8	N/A	40				Notification to SARWQCB, OCEH and LW, Reported to CIWQS
											0				Notification to SDRWQCB, OCEH and AV, Reported to CIWQS
											40	0	15	25,630	
LEGEND			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								
			S. = Sticks		P. = Paper		R. = Roots								

**EI Toro Water District
SWRCB Emergency Drought Regulations
Monthly Urban Water Supplier Reporting/ Tracking**

Month	Total Purchases 2013 (AF)	ET 2013	Total Purchases 2015/16/17 (AF)	ET 2015/16/17	Delta (AF)	Delta %	Residential % of Total 2015/16/17	Residential Usage 2015/16/17 (AF)	GPCD 2015/16/17	RW 2013 (AF)	RW 2015/16/17 (AF)
June	996.66	6.00	773.57	5.73	-223.09	-22%	61.75%	477.68	107	62.62	55.65
July	1,016.80	5.80	723.00	5.95	-293.8	-29%	60.26%	435.68	94	56.51	87.87
August	1,042.70	6.55	790.17	6.24	-252.53	-24%	61.06%	482.48	104	49.34	124.29
September	963.00	5.26	663.40	4.96	-299.6	-31%	63.32%	420.06	94	46.06	101.44
October	811.60	3.92	613.70	3.86	-197.9	-24%	61.46%	377.18	82	25.45	90.39
November	684.20	2.51	528.90	3.26	-155.3	-23%	64.97%	343.63	77	16.87	58.30
December	593.20	2.49	430.70	2.36	-162.5	-27%	67.92%	292.53	63	15.55	32.44
January	543.15	2.53	417.00	1.89	-126.15	-23%	75.41%	314.46	68	13.00	23.43
February	502.41	2.89	455.20	3.83	-47.21	-9%	74.80%	340.50	79	18.35	55.08
March	736.34	4.06	474.45	3.99	-261.89	-36%	70.86%	336.20	73	35.55	52.33
April	825.00	4.82	526.00	5.15	-299	-36%	71.43%	375.72	84	53.97	105.24
May	874.56	5.97	621.70	4.65	-252.86	-29%	67.21%	417.84	90	62.80	133.64
June	996.66	6.00	731.50	5.81	-265.16	-27%	66.57%	486.96	109	62.62	172.45
July	1,016.80	5.80	770.10	6.78	-246.7	-24%	67.21%	517.56	112	56.51	195.68
August	1,042.70	6.55	753.50	5.96	-289.2	-28%	64.76%	488.00	105	49.34	198.34
September	963.00	5.26	672.80	4.50	-290.2	-30%	65.56%	441.09	99	46.06	160.69
October	811.60	3.92	600.30	3.23	-211.3	-26%	65.59%	393.77	85	25.45	110.38
November	684.20	2.51	524.60	2.76	-159.6	-23%	69.16%	362.81	81	16.87	80.81
December	593.20	2.49	429.60	1.91	-163.6	-28%	71.19%	305.82	66	15.55	49.90
January	543.15	2.53	357.22	1.99	-185.93	-34%	78.25%	279.51	60	13.00	27.75
February	502.41	2.89	341.84	1.77	-160.57	-32%	79.10%	270.39	65	18.35	21.00
March	736.34	4.06	544.19	4.27	-192.15	-26%	77.34%	420.88	91	35.55	88.91
April	825.00	4.82	634.95	5.17	-190.05	-23%	69.72%	442.66	99	53.97	146.88
May	874.56	5.97	669.86	4.70	-204.7	-23%	67.16%	449.91	97	62.80	170.35
June	996.66	6.00	734.87	5.25	-261.79	-26%	67.01%	492.44	110	62.62	168.67
July	1,016.80	5.80	849.65	6.34	-167.15	-16%	65.31%	554.91	120	56.51	206.55
August	1,042.70	6.55	829.15	6.13	-213.55	-20%	64.21%	532.43	115	49.34	201.74
September	963.00	5.26	684.25	4.80	-278.75	-29%	64.06%	438.35	98	46.06	157.58
Total	23,198.40	129.21	17,146.17	123.24	-6052.23	-26%	67.95%	11,491.46	90	1,126.67	3,077.78

Bob Hill

From: SWRCB Office Research, Planning & Performance <drinc@waterboards.ca.gov>
Sent: Tuesday, October 10, 2017 3:25 PM
To: Bob Hill
Subject: Monitoring Report Acknowledgement for September 2017

Hello Robert Hill

Thank you for your Monitoring Report. Below is the information you have submitted for the month of September 2017. If this information is incorrect, you can edit the report (see instruction below) or re-submit your report for the month with the corrected information. We use your most recently submitted monthly report in our calculations.

Reporter	Robert Hill
Urban Water Supplier(Number)	El Toro Water District (562)
Reporting Month	0917
Stage/Mandatory	None No
Days Outside Irrigation	
Total Potable Water Production	684.25 AF
2013 Same Month Production	963 AF
CII Water	76.27 AF
Commercial Agricultural Water	0 AF
Commercial Agricultural Water 2013	AF
Recycled Water	157.58 AF
Non-revenue Water	AF
Residential Use Percentage	64.06 %
Population	48628
Estimated R-GPCD	98
Number Complaints	4

Number Follow-ups	4
Number Warnings	2
Rate Penalties	0
Other Penalties	0
Enforcement Actions	
Actions Taken	
Implementation Comments	
Qualification	October 10, 2017 September 2017 Water Purchases increased Received additional Purchase Water quantity after the initial report was filed (+ 2.57 AF)

To edit your report click [HERE](#) (After logging in, select the report to edit, click on “Edit”, make your corrections, and click on “Update” when finished)

State Water Resources Control Board Office of Research, Planning & Performance

(WRP) Tertiary Treatment Plant

Sep-17

Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.401	1.248	0.063	1.712
Total Q MG	12.032	37.426	1.891	51.349
Total Acre Feet	36.925	114.856	5.803	157.584



Customer Service Drought Log

September 2017

Complaint Date	Source	City	Drought Response Level	General Comments	Location Details	Office Comments	Office Actions	Field Comments	Field Actions	Violation Types	DRType
9/26/2017	Internal	Laguna Hills		9/13 BILLING ISSUED SO# 68245 TO CK FOR LEAK DUE TO HIGHER USAGE AT 49 CCF. USUALY BELOW 16 CCF. LI	In General	RESPONSE TO RECHECK FOR LEAK & READ DUE TO HIGHER USAGE PER BILLING AND CUST.	Assigned W.O.	GAVE CUST CONSERVATION HANGER DUE TO HIGH CONSUMPTION PER DAY.	Talked to Resident, Door hanger warning	Other (see office comments)	General Drought Info
9/14/2017	Email	Laguna Woods		Per email from Mr. Garner to Jonathan Vozke/MWDOC. 9/14/17 1:37pm. Sherri fwd to C/S. li	Median in front of gate 11.	Per Mr. Garner's email: "Several nites/week cars splash thru a puddle from excess water run off from the median in front of gate 11 of laguna woods village. I live right across from it."	Assigned W.O.	Steve called and spoke with VMS Irrig. Supervisor (Raul). Notified him that a concerned customer emailed ETWD about excess run off occurring on the median in front of Gate 11, Laguna Woods Village at night. He will have the irrig. crew look into that system having overspray, also run times on the timer. SW		Excess runoff	Water Waste Complaint
9/14/2017		Laguna Woods		Per email from Mr. Garner to Jonathan Volzke/MWDOC fwd from Sherri to C/S. Refer to prev. report issued 6/21/17. li	Irrigation from church	Per email from Mr. Garner: "Geneva Presbyterian church at el toro and calle Sonora: several nites a week excess water running down el toro from this church. I've written them and el toro water dist..... many times. No results. So what's the purpose of complaining.	Assigned W.O.	Steve met with the people at the admin office of the church. They were asked to check the irrig. system for excess over spray and check the run times of each system. They agreed to look into this. Also Steve asked the City of Laguna Woods (April B.) to check her irrig. system located next to the church uphill for the same things. She agreed. SW 9-18-17		Excess runoff	Water Waste Complaint



Customer Service Drought Log

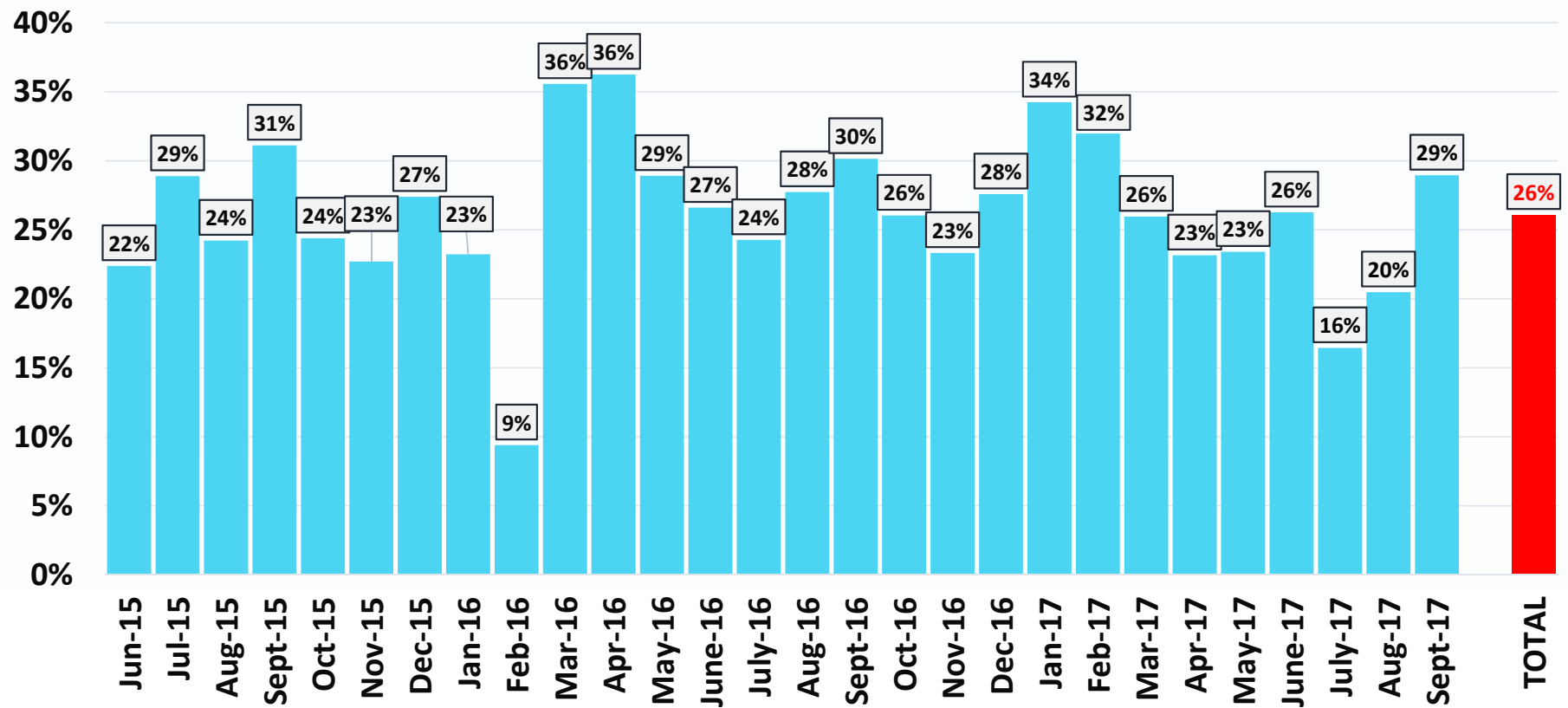
September 2017

9/12/2017	Email	Laguna Woods		Wasting water reported by an anonymous neighbor. li	Front Yard	Per email: Tenants are hosing down cars and over watering plants causing a lot of runoff. li	Assigned W.O.	Put conservation hanger on front door highlighting No runoff and have a nozzle on your hose. Complete 9-18-17 RHazzard	Door hanger warning	Excess runoff, running hose, vehicle washing restriction	Water Waste Complaint
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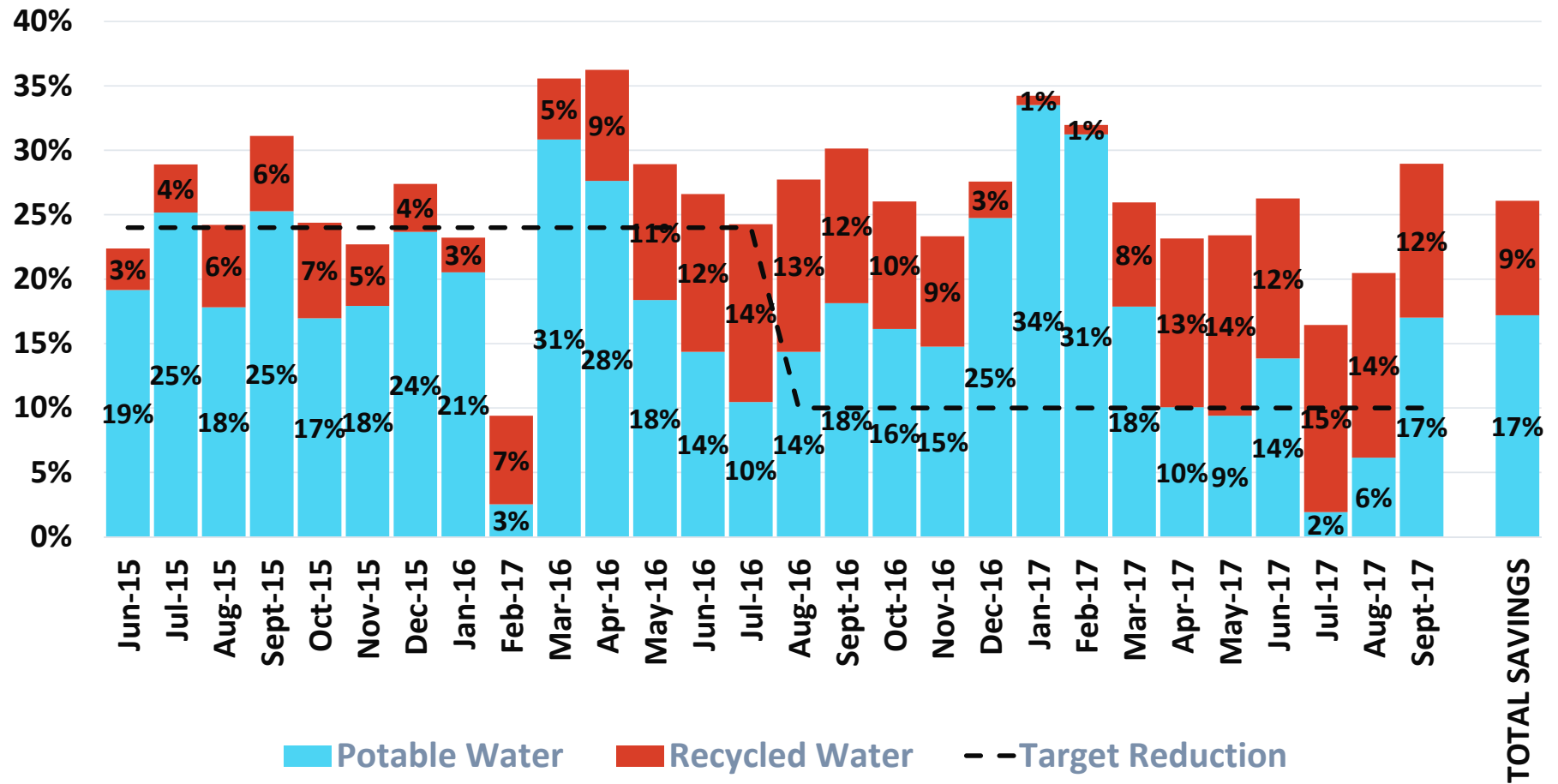
4 Water Waste Complaints

2 Educational Door Hangers

ETWD WATER SAVINGS COMPARED TO 2013



ETWD WATER SAVINGS COMPARED TO 2013



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Nicholas Crockett
Alia Cardwell

*Municipal Water District of Orange County, California
Washington Update
October 11, 2017*

To provide a quick snap shot of Washington, the Congress is operating at full speed as they try to pass their annual appropriations bills, increase the debt limit, and begin consideration of a major tax reform effort and legislation dealing with immigration and the so-called “Dreamers” issue.

On appropriations for the coming year, as a quick review, last month in advance of the September 30th deadline, the House and the Senate passed a Funding Resolution (CR) which provides funding for all federal agencies up until December 8th. As part of this package, there was also a debt limit extension that allowed the Federal Government to continue to borrow funds to keep the federal government running.

The authority to borrow funds also stops on December 8 setting up another possible brinksmanship moment here on both the debt limit and the funding of the federal government. To that end, House and Senate Appropriations Staffers and key Members of Congress are busy negotiating a large Omnibus Appropriations Bill that is likely to contain more funding than the House passed Appropriations Bills which passed earlier this summer.

Note both House and Senate Energy and Water Funding Bills funded water programs at approximately last year’s levels. We are still waiting to see if the appropriations bills will fund the many grant programs which were passed as part of the California Drought Relief bill which passed last December as part of the WIIN Act (2016 version of the Army Corps Water Resources Development Act or WRDA). We are tracking this process closely and will report on developments. Given past history on funding such a large bill, it may take the Congress well into December or January to finalize funding for this current funding year.

Two weeks ago the White House, in coordination with House and Senate Republican leaders, released a joint framework document for a tax reform plan. The Trump Administration has said repeatedly that a Tax Reform Bill needs to pass before it can address an Infrastructure Package.

The tax reform document (that's a sheet of paper with bullet points without details) was intended to be the starting point for tax reform bills to be drafted by the House Ways and Means Committee and the Senate Finance Committee in the coming weeks. Senate Republicans rolled out their fiscal 2018 budget on Friday, and the two chambers' choices couldn't look more different. The House budget would require a tax plan that does not add to the deficit, while the Senate edition would allow tax writers to add \$1.5 trillion to the deficit over 10 years.

Like the just considered series of Health Care Bills in the Senate, one key element of the House and Senate budget resolutions is the special power to write a tax reform bill that requires just a simple majority vote to advance in the Senate. If they fail, Republicans give up their shot at a tax overhaul without the need for Democratic support — which may mean no tax reform at all.

The Tax Plan anticipates an average of \$150 billion per year in net tax reductions through tax reform, offset somewhat by the controversial theory of “dynamic scoring” of the tax receipt effects from increased economic growth. Because of the decision has been made to use the budget reconciliation process to try and enact tax reform, this limits the duration of any tax law changes to ten years but also reduces the number of votes needed to pass the legislation in the Senate from 60 (the number needed to break a filibuster) to 50 (assuming Vice President Pence shows up to break a 50-50 tie). One of the more controversial suggestions is to do away with the deduction *for state and local taxes or those who file itemized tax returns*.

There are some lobbyists here who believe tax reform is too complicated to pass this fall and is doomed to failure. Others believe this is an exercise to show that the House can pass a tax reform bill, likely knowing it can never pass the Senate—all of which is significant because all of the Congressmen are up for reelection next year.... More to follow on all of this in the future as the House and Senate grind through their legislative process.

On the Trump “Infrastructure” Program-- again, we wait. Congressman Shuster, the Chairman of the House Transportation and Infrastructure Committee noted earlier last

week he is hopeful to have more information become available about the Trump Infrastructure program in the very near future.

And on this very topic President Trump unexpectedly distanced himself from one of the core principles of his own Administration's infrastructure plan two weeks ago – the increased reliance on public-private partnerships to finance infrastructure.

In a meeting with bipartisan members of the House Ways and Means Committee to discuss tax reform on September 26, President Trump said that most “*PPPs*” are “*more trouble than they’re worth.*” House Committee Members of Congress gave quotes and the story to the Wall Street Journal and the Washington Post. Vice President Mike Pence was also in the meeting, and according to the WSJ article, Trump singled out the big P3 in Pence's home state of Indiana – the lease of the 156-mile Indiana Toll Road to a private venture for 75 years (2006 to 2081) in exchange for \$3.8 billion in cash up front, which was used by the Indiana DOT to pay for a 10-year program of building new transportation infrastructure throughout the state. Rep. Higgins told the WSJ that President Trump said “They tried it in Mike's state and it didn't work.”

What does this mean? The dust is still settling on all of this as we attempt to decipher comments made by the President regarding how he intends to fund an infrastructure program. Previously, he had indicated that Public Private Partnerships would become a significant part of any infrastructure program.

New Federal Funding of Water Grants:

There have not been any WIIN-generated grants that have been released either out of EPA or the Army Corp. While the law passed in Dec. 2016, it authorized spending for new grant programs but it didn't appropriate funds for them. If one also accounts for the new Administration that paused everything at EPA for several months, it's not surprising there haven't been any grant solicitations in FY17 that correspond to the WIIN programs. Furthermore, there are not yet many FY18 grant solicitations out and those that have been released, are not of interest to MWDOC and don't relate to WIIN.

In FY17, the Bureau of Reclamation released its water desalination related grants in January 2017 and most of its WaterSMART grants in February 2017. The same timing was mostly true for FY16, although some WaterSMART grants began to be released as early as December 2015. It's reasonable to expect that the timing may be similar for FY18.

The Army Corp has not released in recent months any new grants that appear WIIN related or that otherwise seem like would be of interest to MWDOC. We will be keeping an eye open for any new programs released in response to WIIN.

In this year's appropriations bills (the package that is under consideration this fall) for the funding of the Bureau of Reclamation, the EPA and the Army Corps, there is currently \$83 Million that is planned for competitive grants for different types of water infrastructure.

Turf Removal Program:

We continue to work with House and Senate Offices on an IRS Fix for the Turf Removal Program. Key House Leadership staff have advised us that they intend to put language into the House Bill that would remedy the IRS glitch for home and property owners.

On the Senate side, Senator Feinstein introduced her IRS bill on this matter (discussed at some length in previous Reports) and the Senate Finance Committee has signaled that they would look seriously at her legislation—which at this point could pass in a package of other bills or as a free-standing bill.

WaterFix and the Delta Tunnels Issue:

Five Members of Congress from Orange County, Representatives Rohrabacher, Walters, Correa, Royce and Issa signed a letter to the Governor expressing support for water infrastructure and the WaterFix Project—in advance of the October 11, 2017 Metropolitan Water District of Southern California Board Vote. Congressman Rohrabacher led the effort for this letter with his colleagues.

Reducing the Risk of Catastrophic Wildfire:

Now with the end of the drought in the West, the United States has suffered one of the worst wildfire seasons in recent history this year. According to the National Interagency Fire Center, as of now, more than 8.5 million acres have burned in 2017 so far—more than 47% higher than the 10 year average.

Fire suppression costs consume an overwhelming portion of the United States Forest Service's (USFS) budget and impede its ability to engage in other duties necessary to fulfill its mission "to sustain the health, diversity, and productivity of the Nation's forests and grasslands."

In 2016, the Department of the Interior and the USFS spent almost \$2 billion combined on wildfire suppression.

The Congress has held hearings on this topic and is working with the Trump Administration to find the federal funds needed to assist in better forest and brush fire management activities.

The Senate Passes a Water Bill that Eases Permitting for Water Projects:

The U.S. Senate approved legislation last week by Nebraska Republican Sen. Deb Fischer to help communities upgrade water projects and promote green infrastructure.

The legislation, S. 692, would help governments with Clean Water Act requirements through a new office within U.S. EPA.

"With this bipartisan water infrastructure bill, cities and local communities will have greater flexibility to prioritize projects," Fischer said in a statement as her legislation cleared the Senate.

Co-sponsors include Sens. Sherrod Brown (D-Ohio), John Boozman (R-Ark.), Roy Blunt (R-Mo.), Cory Booker (D-N.J.) and Ben Cardin (D-Md.).

The Senate bill still needs to clear the House of Representatives before it can be signed into law.

JCB 10/10/2017



Memorandum

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: September 16, 2017
Re: Monthly State Political Report

End of Session Report

2017 was one the most active sessions for the Legislature in several years. Three bond measures were enacted on housing, transportation, and parks, and the Park Bond also included significant provisions relating to water. Near the top of Governor Brown's priority list was the extension of the Cap-and-Trade program—which he got—but he had to use significant political capital to get it.

Although reasonable minds can disagree, most Capitol pundits credit SB 17 (Hernandez) with being the most fought-over bill of the year. That bill requires pharmaceutical companies to provide pricing transparency and a 90-day notice before raising drug prices on large wholesale customers—read “state agencies.” It was the hospitals, doctors, and consumer groups verses Big Pharma and, in a rare occurrence, Big Pharma lost.

Of course it was also a significant year for water policy, although the work continues on the most significant water legislation in almost a decade. What began as a six-bill package of competing bills to enact “Making Water Conservation a Way of Life” was condensed down into two bills, AB 1668 and SB 606, which then didn't pass. As the PAL Committee is well aware, the work continues, especially here in Orange County.

2017 was a good year for the PAL Committee's legislative efforts in that no bills opposed by MWDOC made it out of the Legislature. As this is the first year of the two-year session, no bills are technically dead, but some are far closer to being dead than others. When bills are held in a policy committee in the house of origin, moving them the subsequent year is very difficult since they must move by January 12th, which is not a lot of time given that the Legislature doesn't reconvene until January 3rd. Bills that made it out of the first policy committee(s), but not past the Appropriations Committee, only get another week to move. Into this “all but dead” category go the anti-WaterFix bills. (AB's 791, 792, & 793—Fraizer) None of these bills made it past the Appropriations Committee in the first house.



Two-year bills that made it to the floor of the second house (or at least out of the Appropriations Committee) are in a different class. These bills have significantly more time to move next year, and with simple procedural moves can be worked on all year. This group includes the water efficiency bills that took up the majority of the water industry's time and resources, AB 1668 (Friedman) and SB 606 (Skinner/Hertzberg), but it also includes SB 623 (Monning) that would enact a public goods charge on water. Technically, SB 623 was not held in the Assembly Appropriations Committee. In a move that is still unclear to many, SB 623 was moved to, and then held, in the Assembly Rules Committee, which is not a "policy committee." This appears to mean that SB 623 can move after the January 19th policy committee deadline for bills introduced in the previous session. In other words, it remains a serious threat.

Note on the Bill Matrix:

In response to comments from PAL Committee members, the Bill Matrix has a new look. Hopefully the spreadsheet format will be more user friendly. This Bill Matrix is the End of Session Report where BB&K includes all of the water-related bills it tracked for MWDOC. Most of these bills never made it into a PAL Committee report but were tracked to monitor possible amendments. Bills with at least a "watch" position were included on a PAL Committee report. BB&K requests that the committee members look over the entire list to see if some of the tracked bills that were not reported should, in fact, have been brought to the attention of the committee. This will help us refine our screening process to better meet the expectations of the PAL Committee.

The County of Orange Report

October 10, 2017
by Lewis Consulting Group



The October 11, 2017 LAFCO meeting occurred after our go-to-print deadline, so its outcome will be part of the PAL oral presentation this month.

The three agenized matters of interest include:

- New Alternate member Lou Penrose taking the Oath of Office
- a consent item dealing with LAFCO employees OCERs retirement and contribution rates as well as LAFCO's participation in the retirement pre-payment program
- an update to the committee of the RFP process for legal counsel services. The RFP was released on September 14, 2018 and the Commission should vote on a contract award January 10, 2018 or possibly later.

Also, the Commission will hear two special presentations:

- ★ a Huntington Beach assistant city manager will provide a report detailing the successful collaborative effort in 2011, leading to the annexation of Sunset Beach
- ★ IRWD General Manager will provide an overview of its successful collaborative efforts leading to the consolidation of IRWD and the Los Alisos Water District

Supervisors Adopt Water Fix Support Resolution

At the September 26th meeting of the Orange County Board of Supervisors, the Board voted 3-2 to endorse the California Water Fix Plan.

The resolution had been placed on the Board's consent calendar, but was removed by Supervisor Spitzer. Karl Seckel did a masterful job of responding to Supervisor Spitzer's prolonged questioning. An anticipated unanimous vote seemed to fall victim of the Board's on-going political schisms.

Anything of note from the October 10th meeting will be reported verbally at PAL.

New PPIC Poll - California's Political Attitudes



The Public Policy Institute of California recently released a survey conducted from September 10-19, 2017. The survey of 1103 likely voters has a margin of of error of +/- 3.8%.

When asked what Californian's considered the most important issue facing the people of California, they replied:

Thinking about the state as a whole, what do you think is the most important issue facing people in California today?

- 20% jobs, economy
- 13% immigration, illegal immigration
- 12% housing costs, availability, homelessness
- 6% environment, pollution, global warming
- 6% state budget, deficit, taxes
- 5% water, drought
- 4% crime, gangs, drugs
- 4% education, schools, teachers
- 4% government in general, problems with elected officials, parties
- 4% health care, health insurance
- 3% infrastructure
- 2% race relations, racial and ethnic issues
- 12% other (specify)
- 5% don't know

In addition, respondents were asked to rate their favorable or unfavorable opinions of the following issues and elected officials. Answers below are presented in descending order from MOST to LEAST favorable:

71% - 22% Preserving DACA - deferred action for childhood arrivals
58% - 38% Favorability of Obamacare or Affordable Care Act
55% - 37% Governor Brown favorability rating
54% - 38% Senator Feinstein favorability rating
44% - 47% California Legislature approval rating
43% - 50% Should Senator Feinstein seek re-election
31% - 66% President Trump approval rating
31% - 68% Building a Southern Boarder Wall
18% - 79% U.S. Congress approval rating

Dueling Polls

The controversial \$.12 a gallon tax hike signed into law this year is either POPULAR or UNPOPULAR depending on what poll you trust.

In June 2017, the University of California IGS survey indicated that registered voters in California opposed the new gas tax by a 55% - 35% margin.



However, a recent survey by Newport Beach based Probolsky Research indicates that a ballot issue attempting to repeal the gas tax was trailing 35% - 54%.

Last month, Lewis Consulting Group conducted a survey for a political client indicating that the U.C. Berkeley numbers were much more believable.

Sheriff Race Update



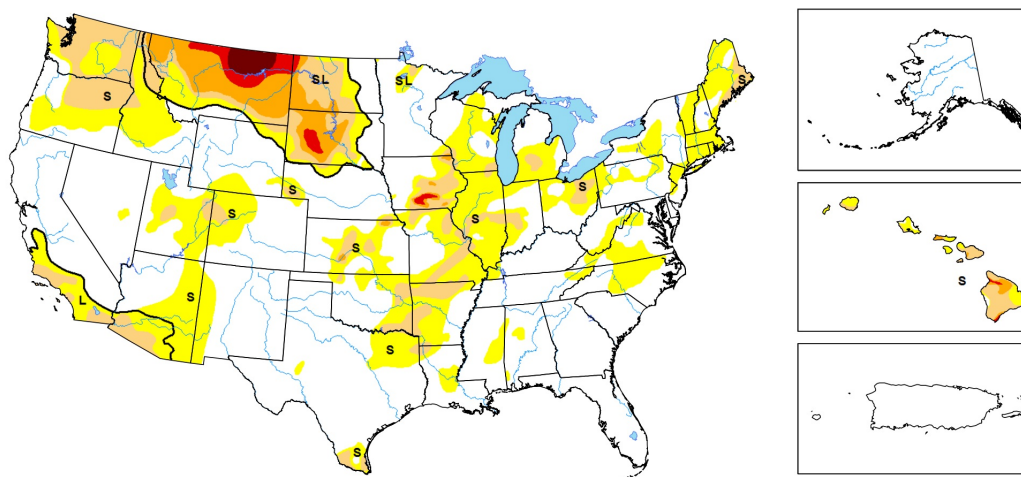
Former Santa Ana Police Chief Paul Walters has removed his name from consideration and will not be a candidate for Orange County Sheriff. Presently the two remaining candidates are Orange County Undersheriff Don Barnes and Dave Harrington, Aliso Viejo Mayor and a 28 year law enforcement veteran.

Climate and Weather Update

Minor Increase in National Drought - Severe Drought Diminishes

Map for October 5, 2017

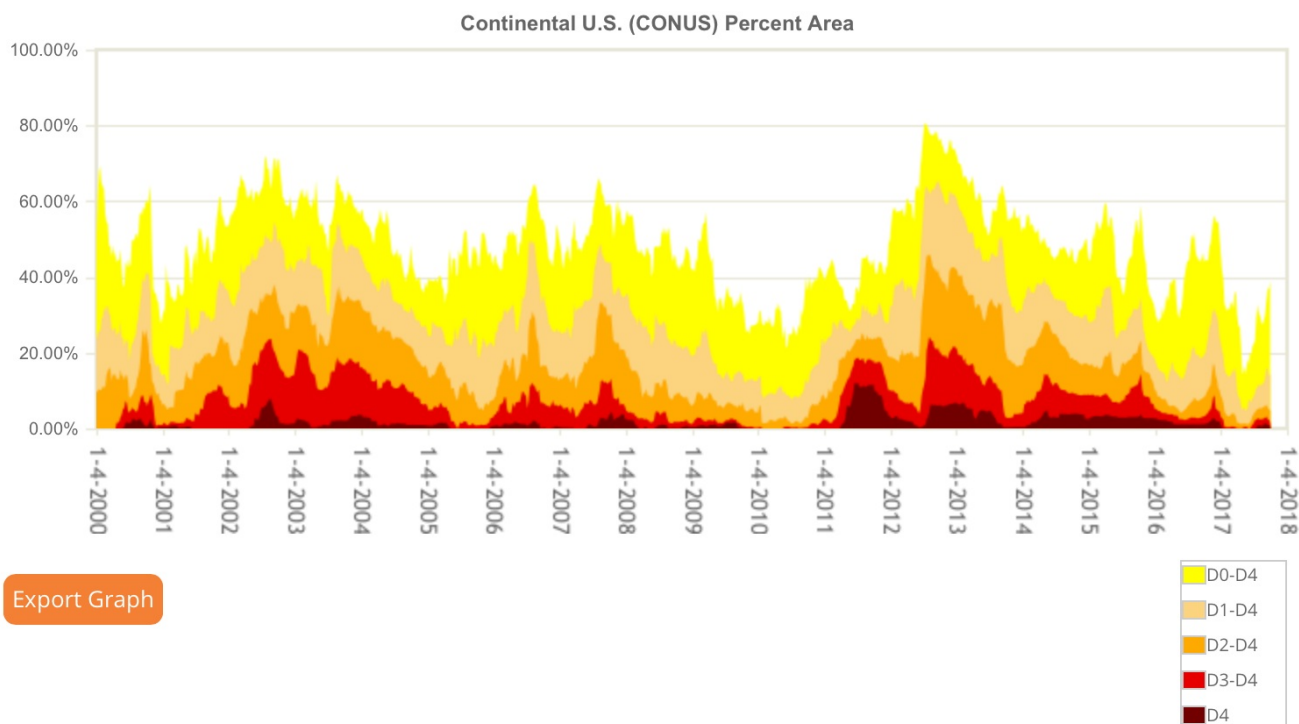
Data valid: October 3, 2017 | Author: [Anthony Artusa](#), NOAA/NWS/NCEP/CPC



The data cutoff for Drought Monitor maps is each Tuesday at 8 a.m. EDT. The maps, which are based on analysis of the data, are released each Thursday at 8:30 a.m. Eastern Time.

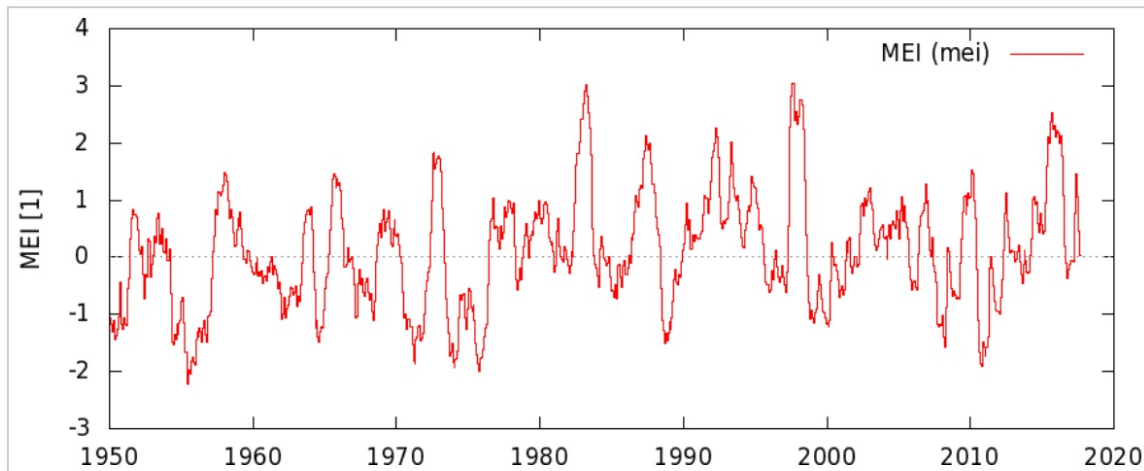
18 years of Drought History

Graphic shows least amount of national drought in mid-2017. Recent slight increase but still low. Yellow signifies minor drought - dark red signifies severe drought



Historic El Niño / La Niña Conditions

Multivariate ENSO Index – 1950 to Present



The Royal Netherlands Meteorological Institute (KNMI) – [Click the pic to view at source](#)

Southern Oscillation Index (SOI)

Starting at neutral - which way 2018?

MWDOC PAL Committee: Bill Matrix – 2017 End of Session Report

Prepared by Best Best & Krieger

Measure	Author	Topic	Status	Brief Summary	Position	Notes 1
AB 18	Garcia, Eduardo D	California Clean Water, Climate, Coastal Protection, and Outdoor Access For All Act of 2018.	9/1/2017-Held in APPR.	Under current law, programs have been established pursuant to bond acts for, among other things, the development and enhancement of state and local parks and recreational facilities. This bill would enact the California Clean Water, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, which, if approved by the voters, would authorize the issuance of bonds in an amount of \$3,470,000,000 pursuant to the State General Obligation Bond Law to finance a clean water, climate, coastal protection, and outdoor access for all program.	Watch	This bill was folded into SB 5 (De Leon)
AB 52	Cooper D	Public employees: orientation and informational programs: exclusive representatives.	4/28/2017-Failed Deadline pursuant to Rule 61(a)(2). (Last location was P.E.,R. & S.S. on 1/19/2017)(May be acted upon Jan 2018)	Current law, including the Meyers-Milias-Brown Act, the Ralph C. Dills Act, the Trial Court Employment Protection and Governance Act, the Trial Court Interpreter Employment and Labor Relations Act, and the Los Angeles County Metropolitan Transportation Authority Transit Employer-Employee Relations Act, as well as provisions commonly referred to as the Educational Employment Relations Act and the Higher Education Employer-Employee Relations Act, regulates the labor relations of the state, the courts, and specified local public agencies and their employees. This bill would require the public employers regulated by the acts described above to provide all employees an orientation. The bill would also require these public employers to permit the exclusive representative, if applicable, to participate.		
AB 77	Fong R	Regulations: effective dates and legislative review.	5/26/2017-Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. on 5/26/2017)(May be acted upon Jan 2018)	Would require the Office of Administrative Law to submit to each house of the Legislature for review a copy of each major regulation that it submits to the Secretary of State. The bill would add another exception to those currently provided that specifies that a regulation does not become effective if the Legislature enacts a statute to override the regulation.		
AB 176	Salas D	Water project: Friant-Kern Canal.	5/26/2017-Held in committee	Current law requires the Department of Water Resources, upon appropriation by the Legislature, to provide funding for a project that substantially conforms to the project description for the Reverse Flow Pump-back Facilities on the Friant-Kern Canal Restoration Project, as specified, provided that certain conditions are met. Current law requires that the appropriation be no more than \$7,000,000. This bill would appropriate \$7,000,000 from the General Fund to the department for this project. This bill contains other related provisions.		
AB 196	Bigelow R	Greenhouse Gas	9/1/2017-Failed	Current law requires moneys from the Greenhouse Gas Reduction	Watch	

		Reduction Fund: water supply and wastewater systems.	Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 7/17/2017)(May be acted upon Jan 2018)	Fund to be allocated for the purpose of reducing greenhouse gas emissions in this state and satisfying other purposes. Current law authorizes specified investments, including water use and supply, if the investment furthers the regulatory purposes of the California Global Warming Solutions Act of 2006 and is consistent with law. This bill would authorize the use of the moneys in the fund for electric pump efficiency, water and wastewater systems, pump and pump motor efficiency improvements, and drinking water transmission and distribution systems' water loss if the investment furthers the regulatory purposes of the act and is consistent with law.		
AB 272	Gipson D	Southeast Los Angeles County Drinking Water Relief Act.	4/28/2017-Failed Deadline pursuant to Rule 61(a)(2). (Last location was W.,P. & W. on 4/5/2017)(May be acted upon Jan 2018)	The California Safe Drinking Water Act provides for the operation of public water systems and imposes on the State Water Resources Control Board various responsibilities and duties. This bill, the Southeast Los Angeles County Drinking Water Relief Act, would authorize the department and the state board to condition the awardance of financial assistance to an urban water supplier in southeast Los Angeles County that does not have adequate technical, managerial, and financial capacity for a water infrastructure project on the participation of a public water agency that has sufficient technical, managerial, and financial capacity to complete and operate the project.	Watch	
AB 277	Mathis R	Water and Wastewater Loan and Grant Program.	10/3/2017-Approved by the Governor. Chaptered by Secretary of State - Chapter 438, Statutes of 2017.	Would, to the extent funding is made available, authorize the State Water Resources Control Board to establish the Water and Wastewater Loan and Grant Program to provide funding to eligible applicants for specified purposes relating to drinking water and wastewater treatment. This bill would authorize a county or qualified nonprofit organization to apply to the board for a grant to award loans or grants, or both, to an eligible applicant. The bill would authorize the board to use a funding source that is authorized for and consistent with the purposes of the program.	Watch	
AB 305	Arambula D	School accountability report card: drinking water access points.	4/5/2017-Held in committee.	Would amend the Classroom Instructional Improvement and Accountability Act to also require the school accountability report card to include an assessment of the drinking water access points at each school site, as specified. The bill would require the State Department of Education to compile the assessments and transmit them to the State Water Resources Control Board. By imposing additional duties on local educational agency officials, the bill would impose a state-mandated local program. The bill would provide that the Legislature finds and declares that the changes made to the act by its provisions further the purposes of the act.		
AB 313	Gray D	Water.	9/27/2017-Enrolled and presented to the	Current law authorizes the State Water Resources Control Board to adopt an order setting administrative civil liability based on the	Watch	Watch/possible support

			Governor at 4 p.m.	allegations set forth in the complaint without a hearing, unless a written request for a hearing signed by, or on behalf of, the party served with the complaint is delivered to or received by mail by the board within 20 days after receipt of the complaint. This bill, commencing July 1, 2018, would establish a Water Rights Division within the Office of Administrative Hearings, as prescribed.		
AB 321	Mathis R	Groundwater sustainability agencies.	7/18/2017-Approved by the Governor. Chaptered by Secretary of State - Chapter 67, Statutes of 2017.	Sustainable Groundwater Management Act requires a groundwater sustainability agency to consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing groundwater sustainability plans, including, among other interests, holders of overlying groundwater rights, including agricultural users and domestic well owners. This bill would specifically include farmers, ranchers, and dairy professionals in the agricultural users whose interests a groundwater sustainability agency is required to consider.	Watch	
AB 355	Chu D	Water pollution: enforcement.	10/6/2017-Approved by the Governor. Chaptered by Secretary of State - Chapter 524, Statutes of 2017.	Current law permits the State Water Resources Control Board or regional board, in lieu of assessing all or a portion of the mandatory minimum penalties against a publicly owned treatment works serving a small community, as defined, to elect to require the publicly owned treatment works to spend an equivalent amount towards completion of a compliance project proposed by the publicly owned treatment works if the state board or regional board makes certain findings. Current law, for these purposes, defines "a publicly owned treatment works serving a small community." This bill, for purposes of the exception, would instead define publicly owned treatment works serving a small community as a publicly owned treatment works serving a population of 20,000 persons or fewer or a rural county, with a financial hardship.	Watch	
AB 366	Obernolte R	Civil actions: fee recovery.	7/21/2017-Failed Deadline pursuant to Rule 61(a)(11). (Last location was RLS. on 7/3/2017)(May be acted upon Jan 2018)	Current law enumerates the costs that a prevailing party may recover in a civil action. Current law provides that costs for models and enlargements of exhibits and photocopies of exhibits may be recovered if the items were reasonably helpful to aid the trier of fact. This bill would authorize a prevailing party to recover fees for the costs associated with the electronic presentation of exhibits, including costs of rental equipment and electronic formatting.		Amended-no longer relevant to water.
AB 367	Obernolte R	Water supply: building permits.	10/9/2017-Approved by the Governor. Chaptered by Secretary of State - Chapter 612, Statutes of 2017.	Current law prohibits a city, including a charter city, or a county from issuing a building permit for the construction of a new residential development where a source of the water supply is water transported by a water hauler, bottled water, a water-vending machine, or a retail water facility. Under current law, this prohibition on the issuance of a building permit does not apply to a residence that will be rebuilt because of a natural disaster. This bill would exempt from the prohibition on the issuance of a building permit a residence that will be rebuilt because of a fire and would provide that this is declaratory of existing law.		

AB 375	Chau D	Broadband Internet access service providers: customer privacy.	9/16/2017-Ordered to inactive file at the request of Senator McGuire.	Would enact the California Broadband Internet Privacy Act. The act, beginning January 1, 2019, would, except as provided, prohibit broadband Internet access service providers, as defined, from using, disclosing, or permitting access to customer proprietary information, as defined.		Amended-no longer relevant to water.
AB 464	Gallagher R	Local government reorganization.	7/10/2017-Approved by the Governor. Chaptered by Secretary of State - Chapter 43, Statutes of 2017.	Under the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000, current law requires that an applicant seeking a change of organization or reorganization submit a plan for providing services within the affected territory that includes, among other requirements, an enumeration and description of the services to be extended to the affected territory and an indication of when those services can feasibly be extended. This bill would specify that the plan is required to also include specific information regarding services currently provided to the affected territory, as applicable, and make related changes.	Watch	
AB 474	Garcia, Eduardo D	Hazardous waste: spent brine solutions.	9/19/2017-Enrolled and presented to the Governor at 3 p.m.	Current law exempts from certain requirements of the Hazardous Waste Control Law wastes from the extraction, beneficiation, or processing of ores and minerals that are not subject to regulation under the federal Resource Conservation and Recovery Act of 1976, including spent brine solutions used to produce geothermal energy that meet specified requirements. This bill would exempt spent brine solutions that are byproducts of the treatment of groundwater to meet California drinking water standards from those same requirements if certain conditions are met, including that the spent brine solutions are transferred for dewatering via a closed piping system to lined surface impoundments regulated by the California regional water quality control boards.	Watch	Possible bill to support.
AB 487	Mathis R	Sustainable Groundwater Management Act.	5/12/2017-Failed Deadline pursuant to Rule 61(a)(3). (Last location was PRINT on 2/13/2017)(May be acted upon Jan 2018)	Would state the intent of the Legislature to enact statutory changes relating to the Sustainable Groundwater Management Act.	Watch	
AB 574	Quirk D	Potable reuse.	10/6/2017-Approved by the Governor. Chaptered by Secretary of State - Chapter 528, Statutes of 2017.	Current law required the State Department of Public Health to, on or before December 31, 2013, adopt uniform water recycling criteria for indirect potable reuse for groundwater recharge. Current law also required the department to develop and adopt uniform water recycling criteria for surface water augmentation, as defined, by December 31, 2016, if a specified expert panel found that the criteria would adequately protect public health, and required the department to investigate the feasibility of developing uniform water recycling criteria for direct potable reuse and to provide a final report on that investigation to the Legislature by December 31, 2016. Current law defined the terms “direct potable reuse” and “surface water augmentation” for these purposes. This bill would	Support	Enacted

				specify that “direct potable reuse” includes “raw water augmentation” and “treated drinking water augmentation.”		
AB 732	Frazier D	Delta levee maintenance.	9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 7/10/2017)(May be acted upon Jan 2018)	Current law establishes a delta levee maintenance program pursuant to which a local agency may request reimbursement for costs incurred in connection with the maintenance or improvement of project or nonproject levees in the Sacramento-San Joaquin Delta. Current law declares legislative intent to reimburse eligible local agencies under this program, until July 1, 2018, in an amount not to exceed 75% of those costs that are incurred in excess of \$1,000 per mile of levee. Current law, until July 1, 2018, authorizes the board to provide funds to an eligible local agency under this program in the form of an advance in an amount that does not exceed 75% of the estimated state share. This bill would extend until July 1, 2020, the operation of that declaration of legislative intent and the authorization to advance funds.	Watch	Oppose to Watch. Amended to extended the sunset consistent with past practice.
AB 791	Frazier D	Sacramento-San Joaquin Delta: State Water Project and federal Central Valley Project: new conveyance facility.	5/26/2017-Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. SUSPENSE FILE on 5/10/2017)(May be acted upon Jan 2018)	The Sacramento-San Joaquin Delta Reform Act of 2009 prohibits construction of a new Delta conveyance facility from being initiated until the persons or entities that contract to receive water from the State Water Project and the federal Central Valley Project or a joint powers authority representing those entities have made arrangements or entered into contracts to pay for certain costs required for the construction, operation, and maintenance of the facility and full mitigation of property tax or assessments levied for land used in the construction, location, mitigation, or operation of the facility. This bill would require, before a water contractor enters into a contract to pay for these costs, that the lead agency provide the breakdown of costs for each water contractor entering into a contract and what benefits each contractor will receive based on the proportion it has financed of the proposed conveyance project.	Opposition	Not moving.
AB 792	Frazier D	Sacramento-San Joaquin Delta: Delta Plan: certification of consistency.	4/28/2017-Failed Deadline pursuant to Rule 61(a)(2). (Last location was W.,P. & W. on 3/20/2017)(May be acted upon Jan 2018)	The Sacramento-San Joaquin Delta Reform Act of 2009 establishes the Delta Stewardship Council and requires the council to develop, adopt, and commence implementation of a comprehensive management plan for the Delta, known as the Delta Plan. The act requires a state or local public agency that proposes to undertake a covered action to prepare and submit to the council a written certification of consistency with the Delta Plan before undertaking that action. This bill would prohibit the council from granting a certification of consistency with the Delta Plan until the board has completed its update of a specified water quality control plan.	Opposition	Not moving.
AB 793	Frazier D	Sacramento-San Joaquin Delta: financing.	5/12/2017-Failed Deadline pursuant to Rule 61(a)(3). (Last location was W.,P. & W. on 3/2/2017)(May be acted upon Jan 2018)	Would declare it to be state policy that the existing state of the Sacramento-San Joaquin Delta is recognized and defined as an integral component of California’s water infrastructure. The bill would state that the maintenance and repair of the Delta are eligible for the same forms of financing as other water collection and treatment infrastructure and would specify the maintenance and	Opposition	Not moving.

				repair activities that are eligible are limited to certain cleanup and abatement-related restoration and conservation activities.		
AB 869	Rubio D	Sustainable water use and demand reduction: recycled water.	9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was N.R. & W. on 8/24/2017)(May be acted upon Jan 2018)	Current law imposes various water use reduction requirements that apply to urban retail water suppliers, including a requirement that the state achieve a 20% reduction in urban per capita water use by December 31, 2020. This bill would require long-term standards for urban water conservation and water use to include a credit for recycled water, as specified.	Support	Although not part of the water efficiency bill package, the debate over recycled water was folded into AB 1668/SB 606.
AB 885	Rubio D	Pupil health: drinking water: lead.	5/26/2017-Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. SUSPENSE FILE on 5/17/2017)(May be acted upon Jan 2018)	Would require a community water system, as defined, to test, on or before July 1, 2019, and every year thereafter, for the presence of lead at a sample of water outlets used for drinking or cooking at each school, defined to include a public elementary school, a public secondary school, a public preschool located on public school property, and a public day care facility located on public school property, constructed before January 1, 1993, within the boundaries of the community water system.	Watch	Key provisions were amended into AB 746 (Gonzales-Fletcher) with several amendments from ACWA: 1) credit for past testing, 2) one-time requirement, 3) existing water quality standards, 4) allowance for sampling plan
AB 968	Rubio D	Urban water use: water efficiency.	5/26/2017-Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. SUSPENSE FILE on 5/10/2017)(May be acted upon Jan 2018)	Would require each urban retail water supplier to develop a water efficiency target, as defined, for 2025 in its 2020 urban water management plan required to be submitted by July 1, 2021, and to achieve that target. The bill would authorize an urban retail water supplier to adjust and update the water efficiency target, as appropriate, when the supplier reports its compliance in achieving the water efficiency targets and its implementation of the identified performance measures in its 2025 urban water management plan required to be submitted by July 1, 2026. The bill would require each urban retail water supplier to meet its adjusted 2025 water efficiency target by December 31, 2025, unless the supplier makes a certain report to the department.	Support	See AB 1668/SB 606 bill package.
AB 1000	Friedman D	Water conveyance: use of facility with unused capacity.	9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 8/28/2017)(May be acted upon Jan 2018)	Current law prohibits the state or a regional or local public agency from denying a bona fide transferor of water from using a water conveyance facility that has unused capacity for the period of time for which that capacity is available, if fair compensation is paid for that use and other requirements are met. This bill would, notwithstanding that provision, prohibit a transferor of water from using a water conveyance facility that has unused capacity to transfer water from a groundwater basin underlying desert lands, as defined, that is in the vicinity of specified federal lands or state lands to outside of the groundwater basin unless the State Lands Commission, in consultation with the Department of Fish and Wildlife, finds that the transfer of the water will not adversely affect the natural or cultural resources of those federal and state lands.	Opposition	Not moving.
AB 1050	Allen, Travis R	California Endangered Species Act: Delta smelt.	4/28/2017-Failed Deadline pursuant to Rule 61(a)(2). (Last	The California Endangered Species Act requires the Fish and Game Commission to establish a list of endangered species and a list of threatened species and requires the commission to add or remove		

			location was W.,P. & W. on 3/27/2017)(May be acted upon Jan 2018)	species from either list if it finds, upon the receipt of sufficient scientific information, that the action is warranted. The act prohibits the taking of an endangered or threatened species, except as specified. This bill would require the commission to remove the Delta smelt from the endangered species list.		
AB 1323	Weber D	Sustainable water use and demand reduction: stakeholder workgroup.	9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 8/21/2017)(May be acted upon Jan 2018)	Would, with a specified exception, require the Department of Water Resources to convene a stakeholder workgroup with prescribed representatives invited to participate, including, among others, representatives of the department and the State Water Resources Control Board, no later than February 1, 2019. The bill would require the stakeholder workgroup to develop, evaluate, and recommend proposals for establishing new water use targets for urban water suppliers and to examine and report to the Governor and the Legislature by December 31, 2019, as specified.	Watch	One the three bills that will become the long-term conservation bills.
AB 1369	Gray D	Water quality and storage.	4/28/2017-Failed Deadline pursuant to Rule 61(a)(2). (Last location was W.,P. & W. on 3/27/2017)(May be acted upon Jan 2018)	Current law requires all moneys, except for fines and penalties, collected by the State Air Resources Board from the auction or sale of allowances as part of a market-based compliance mechanism relative to reduction of greenhouse gas emissions to be deposited in the Greenhouse Gas Reduction Fund. This bill would require the Department of Water Resources to increase statewide water storage capacity by 25% by January 1, 2025, and 50% by January 1, 2050, as specified.		
AB 1442	Allen, Travis R	Bonds: transportation: water projects.	4/25/2017- Failed passage. Reconsideration granted.	Would provide that no further bonds shall be sold for high-speed rail purposes pursuant to the Safe, Reliable High-Speed Passenger Train Bond Act for the 21st Century, except as specifically provided with respect to an existing appropriation for high-speed rail purposes for early improvement projects in the Phase 1 blended system.		
AB 1543	Gloria D	Municipal water districts: bonds.	5/12/2017-Failed Deadline pursuant to Rule 61(a)(3). (Last location was PRINT on 2/17/2017)(May be acted upon Jan 2018)	Current law authorizes a municipal water district to issue bonds for the purpose of providing money required to be paid to any district or authority organized under the Metropolitan Water District Act or the County Water Authority Act for a certain purpose, and specifies that the amount of those bonds may include the expenses of all proceedings for the authorization, issuance, and sale of the bonds. This bill would make nonsubstantive changes in that provision.	Watch	
AB 1605	Caballero D	Maximum contaminant level: nitrate: replacement water.	5/26/2017-Failed Deadline pursuant to Rule 61(a)(5). (Last location was JUD. on 5/1/2017)(May be acted upon Jan 2018)	The California Safe Drinking Water Act, requires the state board to administer provisions relating to the regulation of drinking water to protect public health and vests with the state board specified responsibilities. This bill would prohibit a person or entity providing replacement water, as defined, to address drinking water that exceeds the maximum contaminant level for nitrate in groundwater from being deemed to have caused pollution or a nuisance, or from being liable for negligence or trespass, if certain conditions are met.		
AB 1654	Rubio D	Water conservation.	7/21/2017-Failed Deadline (Last location	Would state the intent of the Legislature to enact legislation necessary to help make water conservation a California way of life.	Support	See AB 1668/SB 606 bill package.

			was RLS. on 7/17/2017)(May be acted upon Jan 2018)			
AB 1667	Friedman D	Water management planning.	7/14/2017-Failed Deadline pursuant to Rule 61(a)(10). (Last location was N.R. & W. on 7/11/2017)(May be acted upon Jan 2018)	Would require the State Water Resources Control Board, in consultation with the Department of Water Resources, to adopt long-term standards for urban water conservation and water use on or before May 20, 2021. The bill would also require the board, in consultation with the department, to adopt performance measures for commercial, industrial, and institutional water use on or before that date.		See AB 1668/SB 606 bill package.
AB 1668	Friedman D	Water management planning.	9/15/2017-Held in Committee.	Current law requires the state to achieve a 20% reduction in urban per capita water use in California by December 31, 2020. Current law requires each urban retail water supplier to develop urban water use targets and an interim urban water use target, as specified. This bill would require the State Water Resources Control Board, in coordination with the Department of Water Resources, to adopt long-term standards for the efficient use of water, as provided, and performance measures for commercial, industrial, and institutional water use on or before June 30, 2021.	Support	2-year bill.
AB 1669	Friedman D	Urban water conservation standards and use reporting.	5/26/2017-Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. SUSPENSE FILE on 5/10/2017)(May be acted upon Jan 2018)	Would require the State Water Resources Control Board, in consultation with the Department of Water Resources, to adopt long-term standards for urban water conservation and water use by May 20, 2021. The bill would authorize the board, in consultation with the department, to adopt interim standards for urban water conservation and water use by emergency regulation. The bill would require the board, before adopting an emergency regulation, to provide at least 60 days for the public to review and comment on the proposed regulation and would require the board to hold a public hearing.		The relevant language of this bill was incorporated into the AB 1668/SB 606 bill package.
SB 5	De León D	California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018.	9/21/2017-Enrolled and presented to the Governor at 5:30 p.m.	Would enact the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, which, if approved by the voters, would authorize the issuance of bonds in an 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. The bill, upon voter approval, would reallocate \$100,000,000 of the unissued bonds authorized for the purposes of Propositions 1, 40, and 84 to finance the purposes of a drought, water, parks, climate, coastal protection, and outdoor access for all program.	Watch	Better of the two park bond bills.
SB 32	Moorlach R	California Public Employees' Pension Reform Act of 2018.	4/28/2017-Failed Deadline pursuant to Rule 61(a)(2). (Last location was P.E. & R. on 3/8/2017)(May be	Would create the Citizens' Pension Oversight Committee to serve in an advisory role to the Teachers' Retirement Board and the Board of Administration of PERS. The bill would require the committee, on or before January 1, 2019, and annually thereafter, to review the actual pension costs and obligations of PERS and STRS and report		

			acted upon Jan 2018)	on these costs and obligations to the public.		
SB 57	Stern D	Natural gas storage: moratorium.	9/15/2017-Ordered to inactive file on request of Senator Stern.	The Public Utilities Commission under current law, is authorized to supervise and regulate every public utility in the state. Current law requires the commission, no later than July 1, 2017, to open a proceeding to determine the feasibility of minimizing or eliminating use of the Aliso Canyon natural gas storage facility located in the County of Los Angeles while still maintaining energy and electric reliability for the region, and to consult with specified entities in making its determination. This bill would require the supervisor to continue that prohibition until a specified root cause analysis of the natural gas leak from the facility that started approximately October 23, 2015, has been completed and released in its entirety to the public.		Amended-no longer relevant to water.
SB 80	Wieckowski D	California Environmental Quality Act: notices.	9/15/2017-Enrolled and presented to the Governor at 3:30 p.m.	The California Environmental Quality Act requires the lead agency to mail certain notices to persons who have filed a written request for notices. The act provides that if the agency offers to provide the notices by email, upon filing a written request for notices, a person may request that the notices be provided to him or her by email. This bill would require the lead agency to post those notices on the agency's Internet Web site. The bill would require the agency to offer to provide those notices by email.	Watch	
SB 146	Wilk R	Water resources: permit to appropriate: protected species.	4/28/2017-Failed Deadline pursuant to Rule 61(a)(2). (Last location was N.R. & W. on 1/26/2017)(May be acted upon Jan 2018)	Under current law, the State Water Resources Control Board administers a water rights program pursuant to which the board grants permits and licenses to appropriate water. Current law prohibits the taking or possession of a fully protected fish, except as provided, and designates the unarmored threespine stickleback as a fully protected fish. This bill would prohibit the board from issuing on or after January 1, 2018, a new permit to appropriate water from any river or stream that has, or is reasonably expected to have, a population of unarmored threespine stickleback.	Watch	ACWA opposed. Not moving.
SB 231	Hertzberg D	Local government: fees and charges.	10/6/2017-Approved by the Governor. Chaptered by Secretary of State. Chapter 536, Statutes of 2017.	Articles XIIC and XIID of the California Constitution generally require that assessments, fees, and charges be submitted to property owners for approval or rejection after the provision of written notice and the holding of a public hearing. Current law, the Proposition 218 Omnibus Implementation Act, prescribes specific procedures and parameters for local jurisdictions to comply with Articles XIIC and XIID of the California Constitution and defines terms for these purposes. This bill would define the term "sewer" for these purposes. The bill would also make findings and declarations relating to the definition of the term "sewer" for these purposes.	Watch	
SB 252	Dodd D	Water wells.	10/6/2017-Approved by the Governor. Chaptered by Secretary of State. Chapter 538, Statutes of 2017.	Would, until January 30, 2020, require a city or county overlying a critically overdrafted basin, as defined, to request estimates of certain information from an applicant for a new well located within a critically overdrafted basin as part of an application for a well permit. The bill would require a city or county that receives an	Watch	

				application for a well permit in a critically overdrafted basin to make the information about the new well included in the application for a well permit available to both the public and to groundwater sustainability agencies and easily accessible. The bill would authorize a city or county to issue a new well permit within a critically overdrafted basin when these requirements have been met.		
SB 606	Skinner D	Water management planning.	9/13/2017-Assembly Rule 96 suspended. Withdrawn from committee. Ordered to third reading.	Current law requires the state to achieve a 20% reduction in urban per capita water use in California by December 31, 2020. Current law requires each urban retail water supplier to develop urban water use targets and an interim urban water use target, as specified. The bill would require an urban retail water supplier to calculate an urban water use objective no later than July 1, 2022, and by July 1 every year thereafter, and its actual urban water use by those same dates	Support	2-year bill.
SB 623	Monning D	Water quality: Safe and Affordable Drinking Water Fund.	9/1/2017-From committee: Without recommendation. (Ayes 11. Noes 0.) (September 1) Re-referred to Com. on RLS.	Would establish the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are continuously appropriated to the State Water Resources Control Board. The bill would require the board to administer the fund to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure. The bill would authorize the state board to provide for the deposit into the fund of federal contributions, voluntary contributions, gifts, grants, bequests, and settlements from parties responsible for contamination of drinking water supplies.	Opposition	Not moving, but live 2-year bill. This is the public goods charge bill.
SB 740	Wiener D	Onsite treated water.	5/26/2017-Failed Deadline pursuant to Rule 61(a)(5). (Last location was APPR. SUSPENSE FILE on 5/25/2017)(May be acted upon Jan 2018)	Would, on or before December 1, 2018, require the State Water Resources Control Board, in consultation with other state agencies, to adopt regulations, consistent with federal and state law in effect on January 1, 2018, to provide comprehensive risk-based standards for local jurisdictions permitting programs for onsite recycling of water in multifamily residential, commercial, and mixed-use buildings for nonpotable use. The bill would require the regulations to address specified issues and practices relating to the management, monitoring, and treatment of recycled water for nonpotable use.		
SB 750	Hueso D	Vehicles: license plate pilot programs.	9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. on 8/23/2017)(May be acted upon Jan 2018)	Current law authorizes the Department of Motor Vehicles to conduct a pilot program, to be completed no later than January 1, 2019, to evaluate the use of alternatives to stickers, tabs, license plates, and registration cards, subject to certain requirements, and to report the results of the pilot program, as specified, to the Legislature no later than July 1, 2020. Current law also authorizes the department to enter into contracts with qualified private industry partners to provide specified service relating to the registration of vehicles. This bill would specify that the authorization to establish the above-mentioned pilot program includes the authority to establish a pilot program to evaluate alternative methods of collecting fees related to the registration of a motor vehicle or the		Amended-no longer relevant to water.

				purchase, renewal, or transfer of license plates.		
SB 778	Hertzberg D	Water systems: consolidations: administrative and managerial services.	9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. on 8/23/2017)(May be acted upon Jan 2018)	Would require, on or before March 1, 2018, and regularly thereafter, as specified, the State Water Resources Control Board to track and publish on its Internet Web site an analysis of all voluntary and ordered consolidations of water systems that have occurred on or after July 1, 2014. The bill would require the published information to include the resulting outcomes of the consolidations and whether the consolidations have succeeded or failed in providing an adequate supply of safe drinking water to the communities served by the consolidated water systems.	Watch	
SCA 4	Hertzberg D	Water conservation.	2/16/2017-Referred to Com. on RLS.	The California Constitution requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable and that the waste or unreasonable use or unreasonable method of use of water be prevented. This measure would declare the intent of the Legislature to amend the California Constitution to provide a program that would ensure that affordable water is available to all Californians and to ensure that water conservation is given a permanent role in California's future.	Watch	Possible future action item depending on amendments.
<p>Total Measures: 49</p> <p>Total Tracking Forms: 49</p>						

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 18 E. Garcia (D) Sponsor: Author	Amended 8/30/17 Senate Appropriations Committee	California Clean Water, Climate, Coastal Protection and Outdoor Access for All Act of 2018: Enacts the California Clean Water, Climate, Coastal Protection and Outdoor Access for All Act of 2018, which places a general obligation bond of \$3.470 billion before voters at the June 5, 2018, statewide primary election.	SUPPORT AND SEEK AMENDMENTS based upon Board-adopted policy principles dated June 2003	Recognizes the need for additional state funding for water infrastructure at time when significant water investments are acutely necessary. Requested amendments include: state support for voluntary settlements with upstream water users, both for habitat improvement and flow enhancements; additional funding for development of local water supplies; increased funding for new water treatment systems, extensions of service or consolidations for non-compliant water systems located in disadvantaged communities; flood protection; and Salton Sea restoration, consistent with CNRA Salton Sea Management Plan.
AB 472 Frazier (D) Sponsor: Author	Amended 9/7/17 Senate Rules Committee	Employer Liability: Prior amendment would have required the Department of Water Resources (DWR) to allow cover crops to remain on fallowed land, unless DWR met certain conditions. Bill now pertains to enforcement for non-serious violations by small business or microbusinesses.	NO LONGER OF INTEREST (9/7/17)	Amended bill is no longer of interest to Metropolitan.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 574 Quirk (D) Sponsor: WaterReuse California and California Coastkeeper Alliance	Amended 9/1/17 Signed by Governor on 10/6/17	Potable Reuse: Promotes water recycling by categorizing potable reuse alternatives and by establishing a clear regulatory pathway and time frame for raw water augmentation.	SUPPORT (3/14/17)	By advancing regulatory criteria that are protective of public health, AB 574 may accelerate the deployment of recycled water projects throughout California.
AB 732 Frazier (D) Sponsor: Author	Amended 5/30/17 Senate Appropriations Committee Two-Year Bill	Delta Levee Maintenance: Delta levee maintenance program was established for reimbursement of costs incurred in connection with maintenance or improvement of projects or non-project levees in the Sacramento-San Joaquin Delta. AB 732 extends the current 75% state reimbursement rate for Delta levee maintenance costs in excess of \$1,000 per mile, until July 1, 2020.	WATCH based upon prior position on SB 554 (Wolk) from 2016	Metropolitan dropped its opposition to AB 732 after the Delta Stewardship Council directed staff to enter into a Memorandum of Understanding with the Central Valley Flood Protection Board (CVFPB) and DWR to develop and recommend a new set of guidelines, including a methodology and local agency requirements for evaluating a local agency's ability to pay for cost of levee maintenance or improvements under the Delta Levee Subventions Program.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 791 Frazier (D) Sponsor: Author	Amended 3/21/17 Assembly Appropriations Committee Two-Year Bill	New Conveyance Facility: Would impose new and unnecessary requirements on “lead agency” (presumably DWR) to provide certain information about costs and benefits of new water delivery system improvements on a water-contractor-by-water-contractor basis <i>before</i> any water contractor could enter any contracts to fund design, construction and mitigation.	OPPOSE based upon June 2007 Board-adopted Delta Action Plan	Could delay construction of California WaterFix, with no added benefit to the public process or environment.
AB 792 Frazier (D) Sponsor: Author	Amended 3/28/17 Assembly Water, Parks and Wildlife Committee Two-Year Bill	Delta Plan: Would take unprecedented and unnecessary step of requiring Delta Stewardship Council to affirmatively “grant” a certification of consistency with the Delta Plan before construction of California WaterFix could begin. Council could not “grant” the certification until <u>after</u> State Water Resources Control Board adopts update to 2006 Bay-Delta Water Quality Control Plan.	OPPOSE based upon June 2007 Board-adopted Delta Action Plan	Delta Reform Act of 2009 recognized need for new Delta conveyance to address declines in water supply reliability and the Delta ecosystem. Likewise, the Governor’s California Water Action Plan calls for new Delta conveyance, among a suite of other measures, to further the coequal goals, and to restore water supply reliability to millions of Californians. AB 792 is at odds with both.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 793 Frazier (D) Sponsor: Author	Amended 3/27/17 Assembly Water, Parks and Wildlife Committee Two-Year Bill	Sacramento-San Joaquin Delta – Financing: Would declare it state policy that the <u>existing</u> Sacramento-San Joaquin Delta be recognized and defined as an integral component of California's water infrastructure. Would state also that the maintenance and repair of Delta are eligible for same forms of financing as other water collection and treatment infrastructure and specifies that eligible maintenance and repair activities be limited to certain cleanup-and-abatement-related restoration and conservation activities.	OPPOSE based upon June 2007 Board-adopted Delta Action Plan	Ignores the fact that the Delta, in its <u>current</u> state, has not been developed as a “water collection or treatment facility.” The current configuration of levees was largely completed in the early 20th century to reclaim swamp and overflow land for farming or other uses. Thus, the declaration of intent is contrary to reality and is not a sound basis for infrastructure financing.
AB 869 Rubio (D) Sponsor: Author	Amended 8/24/17 Senate Natural Resources and Water Committee Two-Year Bill	Recycled Water: Would require long-term standards for urban water use conservation and water use to include credit for recycled water, as specified. Would state that water conservation does not include curtailment of use of recycled water. Would prohibit urban retail water supplier from being required to reduce amount of recycled water it produces, sells or distributes for beneficial potable or nonpotable uses during period when water conservation measures are in effect.	SUPPORT IF AMENDED based upon Board-adopted legislative policy priorities dated 5/8/17	AB 869 is consistent with provisions found in SB 606 (Skinner/Hertzberg) and AB 1668 (Friedman) Metropolitan, with a few distinctions. Recognizes that recycled water is an efficient use and should be treated as such in any new water use efficiency targets, although expands credit specified in SB 606 and AB 1668 to include nonpotable recycled water. Attempts to override authority extended to Governor under Emergency Services Act regarding curtailment of potable and nonpotable recycled water.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 968 Rubio (D) Sponsor: Regional Water Authority and Irvine Ranch Water District	Amended 4/17/17 Assembly Appropriations Committee Two-Year Bill	Water Use Efficiency Targets: Defines “water efficiency target” as a target developed by an urban retail water supplier for 2025 water efficiency in its 2020 urban water management plan. Requires each urban retail water supplier to adopt one of three methods for determining water efficiency targets. Maintains the existing exclusion of recycled water from the calculation of base daily per capita water use. Requires Dept. of Water Resources, in consultation with the State Water Resources Control Board, to, by July 1, 2018, convene a task force for the purposes of recommending appropriate performance measures for the commercial, industrial and institutional sectors.	SUPPORT based upon Board-adopted legislative policy priorities dated 5/8/17	Preserves the legislative process for setting water-use efficiency goals and recognizes the role of state agencies to implement a detailed framework consistent with the goals. Supports multiple compliance methods that includes a water-budget based target-setting approach in addition to other methods that could be customized to unique local conditions and could be equally effective in reducing water use.
AB 1270 Gallagher (R) Sponsor: Author	Amended 9/12/17 Senate Inactive File	Dams and Reservoirs – Inspections and Reporting: Completely rewritten to require inspection of dams, reservoirs and critical appurtenant structures within jurisdiction of Division of Safety of Dams (DSOD) once per fiscal year, except for low hazard dams that would require inspections at least every two fiscal years. Dam inspection reports would be subject to California Public Records Act. Also requires DSOD, in consultation with independent, national dam safety and dam safety risk management organizations to, on or before January 1, 2019, and every ten years thereafter propose amendments to existing dam safety regulations to incorporate updated best practices.	WATCH (9/8/17)	Bill was recently amended. Still contains language to address concerns regarding the posting and protection of sensitive information.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1323 Weber (D) Sponsor: San Diego County Water Authority	Amended 5/30/17 Senate Appropriations Committee Two-Year Bill	Water Efficiency Targets: Provides that if a statute is not chaptered during 2017-18 legislative session to establish water conservation targets and long-term drought contingency planning, DWR shall convene stakeholder workgroup by February 1, 2019, to develop, evaluate and recommend proposals for establishing new water use targets for urban retail water suppliers.	SUPPORT based upon Board-adopted legislative policy priorities dated 5/8/17	Metropolitan supports state agency implementation of a framework consistent with the water use efficiency goals set by the Legislature by working through a stakeholder process to ensure the goals are met in a way that recognizes the unique challenges of agencies throughout California.
AB 1427 Eggman (D) Sponsor: Stockton-East Water District	Amended 3/21/17 Assembly Appropriations Committee Two-Year Bill	Water – Underground Storage: Amends Water Code Section 1242 to declare that storing water underground, including diverting surface water for storage, for purposes including, but not limited to, protection of water quality or recovery of groundwater levels, are beneficial uses. Also states that existing forfeiture provisions for non-use of water for a period of longer than five years would not apply.	OPPOSE UNLESS AMENDED based upon prior opposition to AB 647 (Eggman) from 2015	Must include safeguards to ensure that permanent underground storage is implemented in reasonable manner. SWRCB must confirm that flows are not already otherwise appropriated or diverted at times when federal Central Valley Project and State Water Project are required to release supplemental project water to meet water quality objectives in Delta watershed. Additional amendments are necessary to ensure alignment with Groundwater Management Sustainability Act of 2014.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1654 Rubio (D) Sponsor: Regional Water Authority and Irvine Ranch Water District	Amended 7/12/17 Senate Rules Committee	Drought Contingency Planning: As a step towards developing a single legislative proposal, the bill was amended in the Senate Natural Resources and Water Committee to state the intent of the Legislature to enact legislation necessary to help make water conservation a California way of life.	WATCH based upon Board-adopted legislative policy priorities dated 5/8/17	Author declined to incorporate work product stemming from legislative negotiations during summer recess [see summary of SB 606 (Skinner/Hertzberg) and AB 1668 (Friedman)].
AB 1667 Friedman (D) Sponsor: Author	Amended 7/3/17 Senate Natural Resources and Water Committee Two-Year Bill	Water Management Planning: Reflects the Brown Administration's June 2017 proposal to implement Executive Order B-37-16 and the framework contained in the report Making Water Conservation a California Way of Life for urban and agricultural water usage and drought planning.	SUPPORT IF AMENDED based upon Board-adopted legislative policy priorities dated 5/8/17	AB 1667 is consistent, in part, with the policy priorities adopted by Metropolitan's board. There are specific provisions, however, that require revisions to merit full support.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1668 Friedman (D) Sponsor: Author	Amended 9/8/17 Senate Rules Committee	Water Management Planning: Proposes targets for indoor residential water use and performance measures for CII water. References the Model Water Efficient Landscape Ordinance for outdoor water use. Also clarifies SWRCB enforcement authority for non-compliance; updates agricultural water use efficient requirements; and provides for countywide and small system drought planning.	SUPPORT based upon Board-adopted legislative policy priorities dated 5/8/17	AB 1668 recognizes the Legislature's critical role in providing appropriate oversight to implementation of water conservation efforts by the Department of Water Resources and the State Water Resources Control Board, while preserving local decision making. Bill includes a water-budget based target-setting approach that could be customized to unique location conditions and could be equally effective in reducing water use.
AB 1669 Friedman (D) Sponsor: Author	Amended 4/18/17 Assembly Appropriations Committee Two-Year Bill	Water Use Efficiency Targets: Requires the State Water Resources Control Board (SWRCB), in consultation with the Department of Water Resources (DWR), to adopt long-term standards for urban water conservation and water use by May 20, 2021. Specifically, this bill requires the long-term standard to include indoor residential water use, outdoor irrigation water use, as specified, and industrial, institutional and commercial water use. Allows the SWRCB, in consultation with DWR, to adopt and update interim standards for urban water conservation and water use.	OPPOSE UNLESS AMENDED based upon Board-adopted legislative policy priorities dated 5/8/17	AB 1669, in many areas, conflicts with the policy priorities adopted by Metropolitan's board. The bill grants authority to a state agency to issue interim standards through emergency regulations outside of a Governor-declared emergency. The bill does not protect existing water rights; provides for only one compliance path; fails to recognize recycled water as an efficient use of water; and proposes water use reduction targets for the commercial, industrial and institutional sector rather than pursuing a performance-based approach.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 5 DeLeon (D) Sponsor: Author	Amended 9/10/17 Governor's Desk	California Drought, Water, Parks, Climate, Coastal Protection and Outdoor Access for All Act of 2018: Enacts the Drought, Water, Parks, Climate, Coastal Protection and Outdoor Access for All Act of 2018, which places a general obligation bond of \$3.5 billion before voters at the June 5, 2018, statewide primary election.	SUPPORT based upon Board- adopted policy principles dated June 2003	Recognizes the need for additional state funding for water infrastructure at time when significant water investments are acutely necessary. Program funding includes: state support for voluntary settlements with upstream water users, both for habitat improvement and flow enhancements; additional funding for development of local water supplies; increased funding for new water treatment systems, extensions of service or consolidations for non-compliant water systems located in disadvantaged communities; flood protection; and Salton Sea restoration, consistent with CNRA Salton Sea Management Plan.
SB 80 Wieckowski (D) Sponsor: Author	Amended 6/21/17 Governor's Desk	California Environmental Quality Act: Would require the preparation, filing and posting on the internet of Notices of Exemption that the California Natural Resources Agency has categorically exempted from CEQA because said actions have no significant adverse impact.	OPPOSE based upon January 2017 Board-adopted State Legislative Priorities	Would require public agencies to prepare, file and post on the internet dozens, if not hundreds, of additional Notices of Exemption every month for every discretionary action that would cause any change in the physical environment, regardless how insignificant.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 92 Senate Budget and Fiscal Review Committee Budget Trailer Bill	Chapter 26, Statutes of 2017 Signed by Governor on 6/27/17	Resources Trailer Bill: Sections 60-61, 64, 84-94 and 102 provide the Department of Water Resources (DWR) with new authorities that are in alignment with recommended best practices for dams and appurtenant structures from the Federal Emergency Management Agency and the Association of State Dam Safety Officials.	SUPPORT (6/13/17)	SB 92 strengthens DWR's regulatory powers and oversight. Further, the requirement for regularly updated inundation maps and emergency action plans will improve emergency planning for neighboring communities.
SB 224 Jackson (D) Sponsor: Author	Amended 8/21/17 Senate Rules Committee Two-Year Bill	Personal Rights: Sexual Harassment: Completely rewritten. Prior amendment would have required the Office of Planning and Research to prepare, and Secretary of CA Natural Resources Agency to adopt, CEQA guidelines to make exceptions to general rule that environmental review should focus on each project's impacts on the existing physical environment. Bill now would include an investor among those listed persons who may be liable to a plaintiff for sexual harassment.	NO LONGER OF INTEREST (8/21/17)	Amended bill is no longer of interest to Metropolitan.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 231 Hertzberg (D) Sponsor: Water Foundation	Amended 4/19/17 Signed by Governor on 10/6/17	Local Government - Fees and Charges: Provides a definition of "sewer" that predates Proposition 218 and treats fees for stormwater like all other water and sewer fees. Seeks to clarify where stormwater and flood control systems may overlap with water and sewer systems for which Proposition 218 requires a lower approval threshold. SB 231 does not change the CA Constitution's mandate for rigorous oversight of water and sewer fees, including reports, hearings and protest votes.	SUPPORT (4/11/17)	Stormwater is an important source of local water supply and careful management is necessary to reduce pollution. Currently, property-related fees to fund stormwater and flood control programs, not associated with water supply, require a higher approval standard than property-related fees for other water services.
SB 606 Skinner (D) and Hertzberg (D) Sponsor: Authors	Amended 9/6/17 Assembly Floor Two-Year Bill	Water Management Planning: Provides for the calculation of water use objectives by urban retail water supplies. Specifies SWRCB enforcement tools and timelines. Contains revisions to UWMP reporting and filing requirements. Provides for preparation of Water Shortage Contingency Plans and annual water supply and demand assessment by urban wholesale and retailer water suppliers. Measure also recognizes that recycled water is an efficient use and should be treated as such in the calculation for new water-use efficiency targets.	SUPPORT based upon Board-adopted legislative policy priorities dated 5/8/17	Preserves the legislative process for setting water-use efficiency goals yet recognizes the role of state agencies to implement a detailed framework consistent with those goals. Bill contains numerous opportunities for stakeholder engagement to ensure requirements of the measure are met in a way that recognizes the unique challenges of water agencies throughout California. SB 606 preserves local and regional decision-making and control in determining actions to avoid shortage or mitigate shortage impacts.

**Metropolitan Water District of Southern California
State Legislation Matrix 10/9/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
<p style="text-align: center;">SB 623 Monning (D)</p> <p>Sponsor: Community Water Center and Western Growers Association</p>	<p style="text-align: center;">Amended 8/21/17</p> <p style="text-align: center;">Assembly Rules Committee</p> <p style="text-align: center;">Two-Year Bill</p>	<p>Safe and Affordable Drinking Water Fund: Would establish the Safe and Affordable Drinking Water Fund to assist communities and individual domestic well owners who lack access to safe drinking water, particularly those in small, rural disadvantaged communities. Fund may pay for replacement water; domestic well testing and investigations; planning, construction, operation and maintenance costs for system improvements; and outreach to eligible communities. Revenue for the Fund would come from an agricultural fee on fertilizer sales and dairy operations and a permanent tax on ratepayers of urban retail water systems.</p>	<p style="text-align: center;">OPPOSE UNLESS AMENDED based upon January 2017 Board-adopted State Legislative Priorities</p>	<p>Potential revenue sources identified for the Fund include fees on agricultural operations in recognition of nitrate contamination in agricultural areas. While it may be appropriate to include a broader source of funding beyond agriculture, the nexus between urban retail water customers and the factors contributing to the lack of safe water in small, rural disadvantaged communities has not been demonstrated.</p> <p>Providing clean, safe water is a shared concern for all of California. In meeting this challenge, however, we must ensure that the proposed solution does not inappropriately shift burdens from one area to another but instead find the most equitable solution that truly addresses the underlying problems facing rural water systems.</p>

ETWD Education Outreach

October 24, 2017

The following provides an update on the education and outreach ETWD is developing or has completed.

Drought Log

- Lupe and Maria continue to update the drought response log for customer service. This includes phone calls, walk-ins and emails regarding water waste complaints and ETWD's permanent mandatory conservation measure inquiries. There was four water waste complaints and two educational door hangers distributed for the month of September. A copy follows this report.

Messaging/Materials

- October/November bill message: "Fall is the best time to reimagine your landscape. Small changes like planting California Friendly plants, installing drip irrigation or using mulch in flower beds and around trees can make a big impact on outdoor water use."
- Staff will be developing a calendar and accompanying messaging for the upcoming year for events and campaigns that ETWD will be participating in. For example, community events, CA Professional Appreciation Week, Water Awareness Month, Great Shake Out, Imagine a Day without Water Campaign, etc.

RWEP Phase II

- Staff coordinated a commercial with Laguna Woods Village Media 55 Services regarding the Recycled Water Expansion Project phase II. Dennis Cafferty filmed the commercial on October 19, 2017 and the first commercial is estimated to begin airing November 1, 2017. Dennis will film the next commercial early 2018.
- Staff has provided Laguna Woods Village two articles and the construction alert for their email distribution system.
- Laguna Woods Village residents in the Gate 9 area received the RWEP phase II general construction alert to inform them of the upcoming project. Specific targeted construction notices will be distributed to residents as the project progresses.
- Dennis was interviewed Emily Rasmussen, reporter with the Laguna Woods Globe and an article on the RWEP phase II was published on October 5, 2017. A copy follows this report.

- Staff is coordinating a stakeholder's meeting for the RWEPP phase II project with Andrea Carlson with MWH.

TV-6

- Director Monin will be presenting on TV-6 on Friday, October 27th. Topics will include the CA Water Professionals Appreciation Week and the Recycled Water Expansion Project Phase II construction update.

Demonstration Garden

- Draft signage for the demonstration garden interpretive signage is complete. ETWD staff and the Lake Forest Garden Club will be reviewing signs for comments.

Community Events

UC ANR Urban Landscape and Garden Expo – September 30, 2017

- ETWD staffed a booth at the University of California ANR Cooperative Extension and Irvine Water District's Urban Landscape and Garden Education Expo at the UC ANR South Coast Research and Extension Center on September 30, 2017.





South County Disaster Expo – October 21, 2017

- ETWD will staff a booth at the South County Disaster Expo at the Norman Murray Community Center in Mission Viejo on October 21, 2017 from 8:00 a.m. – 12:00 p.m. ETWD will also bring the potable water trailer to the event to distribute drinking water.

Boy Scout Soil and Water Conservation Badge Clinic – November 4, 2017

- ETWD and MWDOC will host a Boy Scout Soil and Water Conservation Badge Clinic and WRP tour on Saturday, November 4, 2017 from 8:00 a.m. – 12:00 pm. at the ETWD Water Recycling Plant.

Laguna Woods Transportation Day – November 17, 2017

- Note this event was rescheduled for November 17, 2017. ETWD will staff a booth at the Laguna Woods Transportation Day at Clubhouse 5 from 10:00 a.m. to 1:00 p.m.

Submitted by: Sherri Seitz 10/20/17



Customer Service Drought Log

September 2017

Complaint Date	Source	City	Drought Response Level	General Comments	Location Details	Office Comments	Office Actions	Field Comments	Field Actions	Violation Types	DRType
9/26/2017	Internal	Laguna Hills		9/13 BILLING ISSUED SO# 68245 TO CK FOR LEAK DUE TO HIGHER USAGE AT 49 CCF. USUALY BELOW 16 CCF. LI	In General	RESPONSE TO RECHECK FOR LEAK & READ DUE TO HIGHER USAGE PER BILLING AND CUST.	Assigned W.O.	GAVE CUST CONSERVATION HANGER DUE TO HIGH CONSUMPTION PER DAY.	Talked to Resident, Door hanger warning	Other (see office comments)	General Drought Info
9/14/2017	Email	Laguna Woods		Per email from Mr. Garner to Jonathan Vozke/MWDOC. 9/14/17 1:37pm. Sherri fwd to C/S. li	Median in front of gate 11.	Per Mr. Garner's email: "Several nites/week cars splash thru a puddle from excess water run off from the median in front of gate 11 of laguna woods village. I live right across from it."	Assigned W.O.	Steve called and spoke with VMS Irrig. Supervisor (Raul). Notified him that a concerned customer emailed ETWD about excess run off occurring on the median in front of Gate 11, Laguna Woods Village at night. He will have the irrig. crew look into that system having overspray, also run times on the timer. SW		Excess runoff	Water Waste Complaint
9/14/2017		Laguna Woods		Per email from Mr. Garner to Jonathan Volzke/MWDOC fwd from Sherri to C/S. Refer to prev. report issued 6/21/17. li	Irrigation from church	Per email from Mr. Garner: "Geneva Presbyterian church at el toro and calle Sonora: several nites a week excess water running down el toro from this church. I've written them and el toro water dist..... many times. No results. So what's the purpose of complaining.	Assigned W.O.	Steve met with the people at the admin office of the church. They were asked to check the irrig. system for excess over spray and check the run times of each system. They agreed to look into this. Also Steve asked the City of Laguna Woods (April B.) to check her irrig. system located next to the church uphill for the same things. She agreed. SW 9-18-17		Excess runoff	Water Waste Complaint



Customer Service Drought Log

September 2017

9/12/2017	Email	Laguna Woods		Wasting water reported by an anonymous neighbor. li	Front Yard	Per email: Tenants are hosing down cars and over watering plants causing a lot of runoff. li	Assigned W.O.	Put conservation hanger on front door highlighting No runoff and have a nozzle on your hose. Complete 9-18-17 RHazzard	Door hanger warning	Excess runoff, running hose, vehicle washing restriction	Water Waste Complaint
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4 Water Waste Complaints

2 Educational Door Hangers

Laguna Woods Globe

Thursday, October 5, 2017

AN EDITION OF THE REGISTER

ocregister.com/lagunawoods

ENTERTAINMENT



COURTESY PHOTO

Vicki Lawrence's portrayal of the character Mama on "The Carol Burnett Show" led to her own sitcom, "Mama's Family."

MAMA'S ALWAYS CLOSE

Comedian Vicki Lawrence brings her 2-woman show to Laguna Woods

By Emily Rasmussen
rasmussen.emily22@gmail.com

Prepare for a night of laughs as Vicki Lawrence, Emmy Award-winning comedian, will entertain and share stories of her life at the Laguna Woods Performing Arts Center at 7:30

p.m. on Saturday, Oct. 28.

Residents will recognize Lawrence from her years on "The Carol Burnett Show," which debuted in 1967, or from "Mama's Family," which ran from 1983 to 1985 on NBC and from 1986 to 1990 in syndication.

In Laguna Woods, Lawrence will

be performing "Vicki Lawrence and Mama: A Two Woman Show," a 90-minute show including an autobiography and the character she made famous — Mama.

"I would say largely I open for Mama, she is definitely the star of the

LAWRENCE » PAGE 5

CONSTRUCTION

Water district begins phase 2 of recycled water project

By Emily Rasmussen
rasmussen.emily22@gmail.com

Colored symbols and construction crews on the streets inside Gate 9 last week kicked off the beginning of the El Toro Water District Phase II of the recycled water project in Laguna Woods.

The \$8.5 million project will convert about 85 million gallons of water per year to recycled water for irrigation, no longer taking that from the drinking water resources, the district's assistant general manager and district engineer Dennis Cafferty said. The Phase II project, anticipated to be constructed by June 2018 and in use by the end of 2018, will add nearly 30,000 feet of pipeline throughout Third and

United.

Phase II will continue the progress of Phase I of the Laguna Woods recycled water project, a similar project begun in 2013 that extended through Third.

The Globe spoke with Cafferty about the project, how it compares with the last project and what residents can expect to see as this project progresses.

Q What does the project entail?

A We're breaking it into two separate projects, so to speak — one called the West side system will be in Third going from where it left off essentially at Monte Hermoso and extending all the way down to the

WATER » PAGE 5

EXPIRES OCTOBER 31, 2017

Water

FROM PAGE 1

Southwest boundary of Laguna Woods Village by Gate 9.

Q How far does the project extend?

A It's pretty much everything over in Third from Moulton Parkway all the way down to El Toro Road, bounded by the north on Santa Maria. That's all going to be recycled water. Then the East side system is the portion of United inside (Gate 5

and Gate 6).

Q The previous project had workers on a street for a few days at a time. Will this construction process be similar?

A This project will be very similar to the last one; we're hoping to follow a similar model with the way we conduct our public outreach and communication with the residents and let them know what's happening and when it's happening. The goal is that we don't surprise anybody by showing up in front of their home with a big giant



Cafferty

tween this project and the previous one?

A Not really. The nice thing about it is we're basically doing the exact same thing, just the next street over, for all intents and purposes. The contractor that's going to build the first part of it, the West side portion of it,

tractor digging up the street.

Q Are there any differences, other than location, be-

was one of the contractors that we used for the phase one project, so they're very familiar with the community and the project because it's similar to what they did before.

Q How will the recycled water be used?

A (The recycled water) will be exclusively for irrigation. That's the big thing, there is specifically required testing that we do to ensure that the irrigation system and the drinking water system are in no way, shape or form tied together, to make sure that no one is drinking re-

cycled water.

Q What are the advantages of using recycled water?

A The biggest one is that we live in what many like to call an irrigated desert. Any place that we can avoid using the potable (drinking) water, that is becoming so precious and scarce, for irrigation is a huge benefit. Using recycled water means that we can stop using what otherwise would be water that's more importantly for health and human consumption. If we can

used recycled water instead then it frees up water and lessens the dependency on the water we're bringing from northern California or the Colorado River.

Q Will any money be saved by converting to recycled water?

A It will be the same (as the previous project). Our recycled water rate is 10 percent less than the rate for potable (drinking) water.

A hotline has been set up to answer questions about the recycled water project: 949-837-0880.

Golden Rain

FROM PAGE 1

"We operate on a small profit that we give to local charities and give scholarships."

Resident Cathy Kissel, member of the Harmonaires, echoed Mangan and said that although raising the room rates might seem reasonable with increased demand for room rentals, there are unintended consequences that could harm the clubs.

In addition to the increase of room-rental costs, rental of the Performing Arts Center auditorium, with admission, will cost a flat fee of \$395 per day, a \$50 per-day increase.

Village Management Services CEO Brad Hudson said the rate increases will offset cost alloca-

tions and provide a higher level of service, noting infrastructure projects and maintenance costs that are anticipated in the 2018 business plan. A VMS staff report stated that the 2018 business plan includes non-assessment revenue increases of \$300,000 in clubhouse rentals to account for projected fee increases.

The discussion between directors and community members was heated throughout the meeting, including a moment at the beginning of the meeting when Director John Beckett made a comment regarding overspending the budget, followed by applause from the audience.

"Director Beckett represents a minority opinion on this board and I thank God that he's not running again," President John Parker said.

Laguna Woods Mayor Pro Tem

Carol Moore spoke against the room-rental increases.

"Our argument is why do you need more money?" Moore said. "And the argument that I'm getting is Gucci-ism."

It took three motions for the resolution to pass. At the beginning of the meeting, a motion to amend the user fee to 17.5 percent instead of the proposed 25 percent failed 6-4.

Following the failed amendment, with nearly two hours in discussion between directors and community members, the original resolution to increase room rentals to 25 percent of the calculated hourly cost failed 5-1-5. The club members were pleased with the results, but then a third motion was made to return to discussing a fee increase.

Amid legal concerns, the GRF board took a 45-minute lunch

break, returning to the meeting at 2:30 p.m. and ultimately passed a new resolution to set the room-rental fee at 18 percent of the hourly calculated cost. The new resolution passed 8-3, with directors Judith Troutman, JoAnn diLorenzo and Beckett opposed.

The resolution will be revisited in November to satisfy a 30-day notification.

Members first

GRF unanimously passed a resolution that states members — which excludes renters or guests — shall be given priority on facilities and amenities, including the RV Lot and Equestrian facility.

Resident Debbie Brown argued that the members-first resolution treats renters like second-class citizens of the Village.

The resolution will be revisited in November to satisfy a 30-day

notification.

Golf fees

The board unanimously passed a resolution to increase the golf greens fees for 2018 and to implement a new non-member fee.

On the 27-hole course, the member fee for 9-hole rounds is increased from \$6 to \$7 and the non-member fee from \$6 to \$13. For 18-hole rounds the member fee is increased from \$11 to \$13 and the non-member fee from \$11 to \$24.

On the Par 3 course, the member fee for 9-hole rounds is increased from \$4 to \$5 and the non-member fee from \$4 to \$6. For 18-hole rounds the member fee is increased from \$8 to \$9 and the non-member fee from \$8 to \$13.

The resolution will be revisited in November to satisfy a 30-day notification.

Lawrence

FROM PAGE 1

has been pretty serendipitous and comical."

Lawrence, a 68-year-old California native, said she

Having created the two-woman show in 2002, Lawrence said she feels it's her job to make people laugh,

IF YOU GO

What: "Vicki Lawrence and Mama: A Two Woman Show"

get away with it if you're a crazy old lady," she said. "Now, as funny — if that's the word you'd want to use

down to the dressing room before the show to say hi," Lawrence said. "We were chatting and after a few

**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
October 24, 2017**

REBATE PROGRAMS

The following tables are the current device rebate amounts for MET, MWDOC and ETWD for the fiscal year 2017/18.

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 (WF-water factor 4.0 or less)	\$85		\$65	\$150
Premium High Efficiency Toilet (1.08 gpf or less)	\$40		\$35	\$75
Rotating Sprinkler Nozzles	\$2 ea		\$1	\$3
Smart Irrigation Timer	\$80	\$100	\$70	\$250
Turf Removal (up to 2,000 sq ft)*		\$1 sq. ft.	\$1 sq. ft.	\$2 sq. ft.
Soil Moisture Sensor System <1 Acre >1 Acre	\$80 \$35/station	\$100	\$70	\$250 \$35/station
Rain Barrels – 1/1 – 6/30/17 Cisterns (200 -500 gallon) (501-999 gallon) (1,000 gallon or more)	\$35 \$250 \$300 \$350		\$15	\$50 \$250 \$300 \$350
Drip Irrigation (up to 3 kits)	Up to \$175 per kit			\$175

*Designated recycled water sites are not eligible for turf removal 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 (up to 25,000 sq ft)*		\$1 sq. ft.		\$1 sq. ft.
Soil Moisture Sensor System	\$35/station			\$35/station

*Designated recycled water sites are not eligible for turf removal rebates.

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 September 2017 year-to-date sales, residential accounted for 57% of the overall Tier 3 usage and dedicated irrigation accounted for 53% of Tier 4 usage.](#)

TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

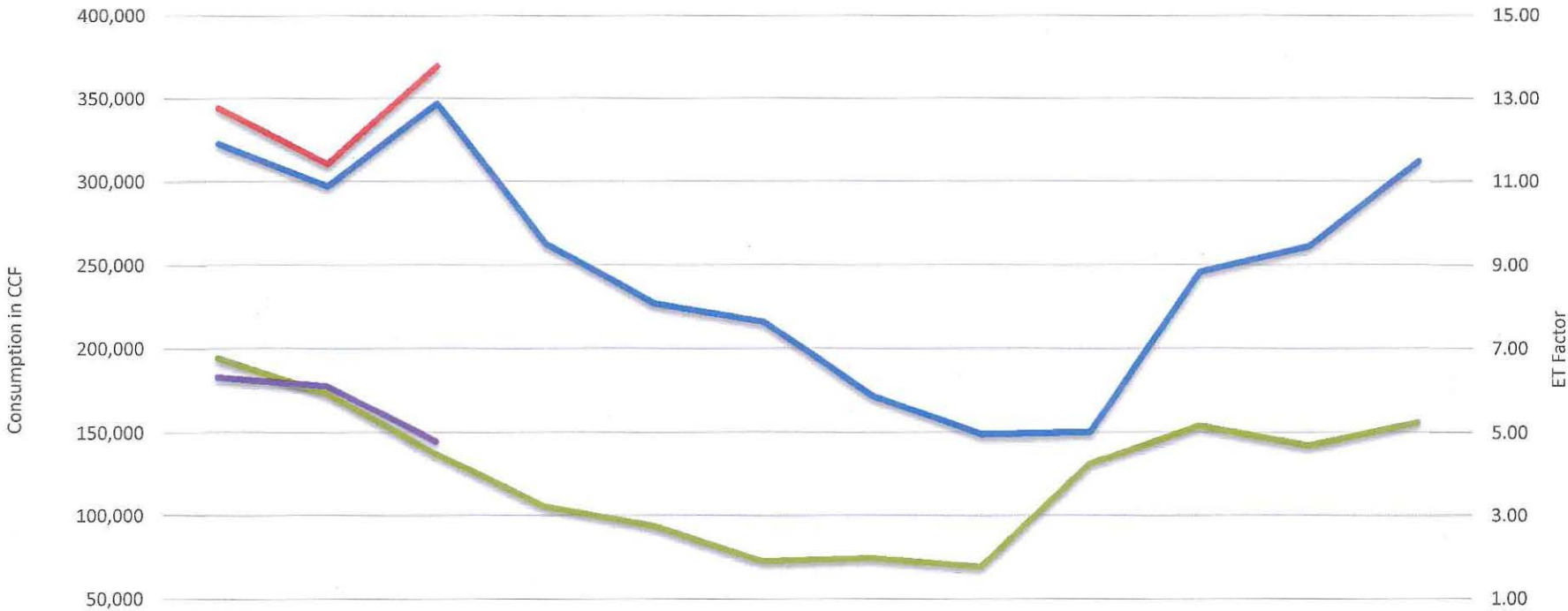
Included in this month's Conservation Report is a chart comparing the current fiscal year 2017/18 consumption and ET factor to the fiscal 2016/17 consumption and ET factor. [The ET factor increased 0.94% from September 2016 when compared to September 2017. There was a 6% increase in consumption reflected in September 2017.](#)

**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: October 20, 2017**

Total Consumption Comparison

[illegible]

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	12	43.7	14.2	\$41,117
High Efficiency Clothes Washers--Residential	2001	16	22.1	7.2	\$20,776
*SoCal Water Smart Commercial Plumbing Fixtures Rebate Program (ULFT's, HET's, Urinals, HECW, Cooling Tower Conductivity Controllers)	2002	15	43.7	14.2	\$41,094
**Water Smart Landscape Program	1997	20	242.9	79.2	\$228,594
SmarTimer Program--Irrigation Timers	2004	13	190.5	62.1	\$179,280
Synthetic Turf Rebate Program--Ended 2011	2007	8	0.9	0.3	\$847
Rotating Nozzles Rebate Program	2007	10	119.2	38.8	\$112,135
Turf Removal Program	2010	7	46.3	15.1	\$43,601
Computer Controlled Irrigation System--Gate 11--Ended 2006	2001	6	8.9	2.9	\$8,357
***Ultra Low Flush Toilets (ULFT)--Ended 2009	1992	16	193.2	58.0	\$167,487
Totals			911.3	297.0	\$857,621

* 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 297 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	August-17	320	0.92	862	4.03	113,774	3,925	26,892
Smart Timer Program - Irrigation Timers	2004	August-17	200	3.03	649	17.85	21,134	7,782	46,482
Rotating Nozzles Rebate Program	2007	August-17	266	1.06	387	1.55	563,205	2,759	18,321
SoCal WaterSmart Commercial Plumbing Fixture Rebate Program	2002	August-17	633	1.95	1,369	6.49	86,648	4,728	44,162
Industrial Process Water Use Reduction Program	2006	August-17	1	0.96	1	0.96	29	593	2,413
Turf Removal Program ^[3]	2010	August-17	54,466	0.64	92,086	13	20,997,687	2,940	10,198
High Efficiency Toilet (HET) Program	2005	August-17	39	0.14	148	1.05	59,795	2,210	16,707
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				9	95,502	45	23,187,096	50,941	421,680

⁽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 11/12	FY 12/13	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18	Total	Current FY Water Savings Ac/Ft (Cumulative)	Cumulative Water Savings across all Fiscal Years	15 yr. Lifecycle Savings Ac/Ft
Brea	144	93	115	114	76	57	7	1,874	0.02	448.77	970
Buena Park	145	105	106	91	76	54	12	1,530	0.06	350.94	792
East Orange CWD RZ	10	10	8	8	8	3	-	192	0.00	48.55	99
El Toro WD	112	134	121	111	65	47	9	1,530	0.05	353.22	792
Fountain Valley	158	115	102	110	76	65	14	2,414	0.07	597.42	1,249
Garden Grove	236	190	162	165	251	127	22	3,585	0.11	844.57	1,855
Golden State WC	485	265	283	359	260	138	33	5,048	0.16	1,193.91	2,612
Huntington Beach	582	334	295	319	225	180	32	8,278	0.15	2,086.24	4,283
Irvine Ranch WD	2,170	1,763	1,664	1,882	1,521	1,373	294	24,960	1.44	5,620.49	12,915
La Habra	128	82	114	87	66	53	13	1,340	0.07	307.02	693
La Palma	46	34	25	34	29	10	4	462	0.01	106.21	239
Laguna Beach CWD	57	38	37	39	32	19	7	939	0.04	228.73	486
Mesa Water	176	114	86	89	113	80	14	2,532	0.07	636.96	1,310
Moulton Niguel WD	679	442	421	790	688	575	121	10,042	0.55	2,248.12	5,196
Newport Beach	142	116	92	95	66	61	12	2,636	0.05	678.36	1,364
Orange	262	218	163	160	124	80	19	3,917	0.09	992.40	2,027
Orange Park Acres	-	-	-	-	-	-	-	12	0.00	3.76	6
San Juan Capistrano	110	76	73	92	63	33	9	1,468	0.05	350.81	760
San Clemente	206	140	94	141	75	70	22	2,642	0.11	635.21	1,367
Santa Margarita WD	679	553	662	792	466	367	60	9,576	0.27	2,194.86	4,955
Seal Beach	51	31	29	38	23	9	5	607	0.02	145.85	314
Serrano WD	20	13	10	26	8	11	1	358	0.00	90.37	185
South Coast WD	112	89	79	68	43	44	12	1,596	0.06	380.40	826
Trabuco Canyon WD	62	30	45	47	34	28	5	803	0.03	189.44	415
Tustin	97	78	59	80	66	44	9	1,621	0.04	401.68	839
Westminster	208	121	82	109	149	84	15	2,601	0.07	622.99	1,346
Yorba Linda	273	181	167	156	123	56	12	3,764	0.05	951.73	1,948
MWDOC Totals	7,350	5,365	5,094	6,002	4,726	3,668	763	96,327	3.65	22,709.01	18,610

Anaheim	477	331	285	295	266	213	45	10,727	0.19	2,605.38	5,550
Fullerton	270	200	186	211	165	107	23	3,718	0.09	807.98	1,924
Santa Ana	190	163	131	132	259	141	31	3,002	0.09	770.05	1,553
Non-MWDOC Totals	937	694	602	638	690	461	99	17,447	0.38	4,183.41	3,371

Orange County Totals	8,287	6,059	5,696	6,640	5,416	4,129	862	113,774	4.03	26,892.42	21,981
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SMART TIMERS INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 11/12		FY 12/13		FY 13/14		FY 14/15		FY 15/16		FY16/17		FY17/18		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	8	0	9	8	4	0	43	6	20	4	31	4	7	0	138	80	521.72
Buena Park	4	19	3	0	0	0	4	10	7	4	10	7	8	1	39	42	147.67
East Orange CWD RZ	5	0	2	0	0	0	2	0	1	0	11	1	2	0	27	1	18.80
El Toro WD	26	2	7	2	11	0	8	9	9	17	33	8	8	0	123	355	2,476.50
Fountain Valley	8	2	3	2	4	0	7	10	13	1	33	12	8	0	99	40	178.65
Garden Grove	7	0	5	2	9	0	10	14	13	11	28	0	11	0	112	38	173.20
Golden State WC	13	3	9	49	9	25	39	12	35	16	56	37	24	0	249	192	812.43
Huntington Beach	15	4	18	33	20	35	19	2	42	12	88	94	24	0	296	268	1,061.60
Irvine Ranch WD	267	71	414	135	71	59	67	310	239	207	344	420	92	48	1,861	2,334	11,330.93
La Habra	3	0	4	7	2	0	4	7	3	1	12	7	3	0	39	44	203.18
La Palma	1	0	1	0	2	0	2	0	3	2	1	0	0	0	10	2	5.98
Laguna Beach CWD	109	2	76	2	71	0	86	0	86	1	27	0	5	0	502	20	235.04
Mesa Water	21	0	10	2	15	2	17	28	36	12	149	41	12	0	330	154	733.07
Moulton Niguel WD	179	31	51	74	40	45	46	95	163	100	236	129	98	4	1,012	805	3,577.28
Newport Beach	275	12	242	26	168	75	11	9	28	43	30	12	8	0	1,046	409	2,615.40
Orange	25	0	20	24	13	9	18	31	51	13	69	10	18	12	303	177	936.09
San Juan Capistrano	103	2	14	18	6	11	6	19	20	8	22	8	6	0	228	125	642.45
San Clemente	212	17	26	7	28	2	28	24	26	3	37	13	8	0	1,059	374	2,655.49
Santa Margarita WD	262	7	53	171	64	93	53	321	189	136	326	221	76	84	1,230	1,456	5,671.10
Santiago CWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Seal Beach	0	3	1	0	1	36	1	12	2	2,446	2	4	4	0	11	2,502	5,119.58
Serrano WD	3	0	1	0	0	0	4	0	11	2	4	0	0	0	38	2	13.96
South Coast WD	78	10	13	16	8	4	104	73	9	11	7	0	6	0	284	212	1,147.62
Trabuco Canyon WD	12	0	6	0	2	0	6	1	16	50	13	3	6	0	109	157	950.38
Tustin	11	0	8	4	9	1	18	14	33	8	33	23	10	1	153	81	339.47
Westminster	2	0	1	1	2	0	13	17	7	1	17	12	8	0	73	44	197.20
Yorba Linda	22	0	20	0	12	5	32	2	61	27	72	71	22	2	360	185	827.01
MWDOC Totals	1,671	185	1,017	583	571	402	648	1,026	1,123	3,136	1,691	1,137	474	152	9,731	10,099	42,591.78

Anaheim	23	60	19	10	9	26	7	52	30	34	87	10	10	0	254	457	2,606.44
Fullerton	22	51	9	29	8	0	40	26	32	12	53	7	11	0	210	199	933.90
Santa Ana	6	5	8	19	7	8	9	27	22	26	15	3	2	0	84	100	350.07
Non-MWDOC Totals	51	116	36	58	24	34	56	105	84	72	155	20	23	0	548	756	3,890.41

Orange County Totals	1,722	301	1,053	641	595	436	704	1,131	1,207	3,208	1,846	1,157	497	152	10,279	10,855	46,482
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ROTATING NOZZLES INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 11/12			FY 12/13			FY 13/14			FY 14/15			FY 15/16			FY 16/17			FY 17/18			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	130	0	0	65	120	0	84	0	0	157	45	0	74	2,484	0	0	0	0	0	0	0	572	2,749	0	49.46
Buena Park	32	0	0	65	0	0	53	0	0	248	0	0	45	98	0	0	0	0	0	0	0	509	173	2,535	813.11
East Orange	340	0	0	55	0	0	30	0	0	221	0	0	0	0	0	0	0	0	30	0	0	781	0	0	19.29
El Toro	357	76	0	23	6,281	0	56	3,288	0	1,741	28,714	0	730	4,457	0	55	242	0	0	0	0	3,369	46,222	890	1,191.53
Fountain Valley	108	0	0	35	0	0	0	0	0	107	0	0	222	0	0	0	0	0	0	0	0	710	0	0	17.21
Garden Grove	119	0	0	95	0	0	80	0	0	88	50	0	110	0	0	55	98	0	0	0	0	933	299	0	32.52
Golden State	294	0	0	257	2,595	0	192	0	0	583	1,741	0	1,088	0	0	207	6,008	0	0	0	0	3,448	11,316	0	241.78
Huntington Beach	458	0	0	270	0	0	120	0	0	798	1,419	0	1,345	2,836	0	149	3,362	0	0	0	0	3,797	12,526	2,681	1,310.95
Irvine Ranch	1,715	4,255	0	25,018	1,014	0	11,010	4,257	0	1,421	632	0	1,989	5,047	0	335	9,511	0	68	0	0	47,205	94,526	2,004	4,744.75
La Habra	33	90	0	0	0	0	15	0	0	109	338	0	300	0	0	0	0	0	0	0	0	481	1,236	900	365.97
La Palma	0	0	0	0	0	0	0	0	0	0	0	0	46	505	0	0	2,385	0	0	0	0	56	2,890	0	26.08
Laguna Beach	763	0	0	3,596	0	0	2,948	878	0	2,879	1,971	0	1,390	0	0	0	0	0	0	0	0	12,139	2,896	0	301.19
Mesa Water	297	277	0	270	0	0	361	0	0	229	0	0	166	0	0	113	0	0	0	0	0	2,030	385	343	195.15
Moulton Niguel	1,225	0	0	512	1,385	0	361	227	0	1,596	4,587	0	5,492	1,441	0	153	5,872	0	185	0	0	12,059	20,515	2,945	1,689.15
Newport Beach	640	3,273	0	25,365	50	0	19,349	6,835	0	460	3,857	0	348	670	0	0	0	0	0	0	0	46,678	21,413	0	1,584.10
Orange	343	0	0	264	0	0	245	120	0	304	668	0	631	91	0	0	0	0	0	0	0	3,170	1,072	0	109.25
San Juan Capistrano	949	0	0	684	30	0	370	0	0	495	737	0	310	593	0	75	123	0	0	0	0	5,495	8,852	0	445.50
San Clemente	4,266	117	1,343	631	172	0	415	5,074	0	326	0	0	426	0	0	0	0	0	0	0	0	9,989	7,538	1,343	799.59
Santa Margarita	4,817	0	0	983	0	0	389	0	0	1,207	1,513	0	1,820	837	0	15	0	0	104	0	0	16,269	6,921	611	824.37
Seal Beach	0	0	0	0	0	0	0	0	0	40	5,261	0	0	2,300	0	0	0	0	0	0	0	155	7,852	0	127.44
Serrano	58	0	0	190	0	0	105	0	0	377	0	0	695	0	0	0	0	0	0	0	0	3,405	0	0	93.29
South Coast	688	359	0	435	0	0	70	0	0	4,993	13,717	0	1,421	2,889	0	16	0	0	0	0	0	8,130	18,870	0	472.75
Trabuco Canyon	379	0	0	34	0	0	0	0	0	56	0	0	130	0	0	0	4,339	0	0	0	0	2,086	5,130	0	131.59
Tustin	476	1,013	0	378	0	0	329	0	0	408	0	0	317	386	0	65	-341	0	0	0	0	3,371	1,058	0	120.71
Westminster	26	0	0	15	0	0	0	0	0	54	0	0	73	0	0	105	0	0	0	0	0	464	0	0	10.98
Yorba Linda	559	0	0	730	0	0	40	990	0	921	0	0	1,715	0	0	213	0	0	0	0	0	6,081	4,359	500	460.06
MWDOC Totals	19,072	9,460	1,343	59,970	11,647	0	36,622	21,669	0	19,818	65,250	0	20,883	24,634	0	1,556	31,599	0	387	0	0	193,382	278,833	14,752	16,177.75

Anaheim	742	38,554	0	459	813	0	338	0	0	498	712	0	794	5,221	0	147	3,953	0	0	0	0	4,020	49,799	105	1,350.45
Fullerton	409	0	0	119	0	0	107	0	0	684	1,196	0	521	7,015	0	65	3,034	0	0	0	0	2,910	11,309	1,484	668.74
Santa Ana	22	65	0	99	0	0	86	2,533	0	310	0	0	0	1,420	0	0	1,106	0	0	0	0	859	5,752	0	124.46
Non-MWDOC Totals	1,173	38,619	0	677	813	0	531	2,533	0	1,492	1,908	0	1,315	13,656	0	212	8,093	0	0	0	0	7,789	66,860	1,589	2,143.65

Orange County Totals	20,245	48,079	1,343	60,647	12,460	0	37,153	24,202	0	21,310	67,158	0	22,198	38,290	0	1,768	39,692	0	387	0	0	201,171	345,693	16,341	18,321.39
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SOCAL WATER\$MART COMMERCIAL PLUMBING FIXTURES REBATE PROGRAM^[1]
INSTALLED BY AGENCY
through MWD OC and Local Agency Conservation Programs

Agency	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	Totals	Cumulative Water Savings across all Fiscal Years
Brea	1	234	0	10	91	734	0	1,365	494
Buena Park	290	5	23	56	591	133	0	2,489	1,217
East Orange CWD RZ	0	0	0	0	0	0	0	0	0
El Toro WD	137	0	212	6	268	35	0	1,062	655
Fountain Valley	314	0	0	1	249	0	0	872	644
Garden Grove	0	4	1	167	676	410	0	2,451	1,644
Golden State WC	135	0	1	0	1,008	53	0	2,865	2,083
Huntington Beach	156	104	144	7	783	641	0	2,954	1,753
Irvine Ranch WD	646	1,090	451	725	11,100	5,958	993	28,859	8,538
La Habra	0	0	0	0	340	42	0	925	605
La Palma	0	0	0	0	0	509	0	675	131
Laguna Beach CWD	0	0	27	0	0	0	0	446	342
Mesa Water	41	6	0	79	661	782	0	4,254	2,307
Moulton Niguel WD	0	0	0	3	413	281	0	1,277	908
Newport Beach	35	0	0	566	0	0	0	1,834	1,414
Orange	73	1	271	81	275	2,851	0	5,030	2,035
San Juan Capistrano	0	0	14	0	0	0	0	260	427
San Clemente	19	0	0	1	0	0	0	432	412
Santa Margarita WD	0	0	0	2	90	743	0	950	283
Santiago CWD	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	184	0	538	471
Serrano WD	0	0	0	0	0	0	0	0	0
South Coast WD	84	148	0	382	0	0	0	1,320	577
Trabuco Canyon WD	0	0	0	0	0	0	0	11	16
Tustin	0	0	0	75	358	212	0	1,402	913
Westminster	35	1	28	0	146	177	0	1,138	1,093
Yorba Linda	0	1	0	0	226	84	0	595	616
MWD OC Totals	1,966	1,594	1,172	2,161	17,275	13,829	993	64,004	29,581
Anaheim	48	165	342	463	3,072	309	376	14,129	7,639
Fullerton	0	94	0	178	476	621	0	2,778	1,811
Santa Ana	12	16	17	5	1,293	238	0	5,737	5,131
Non-MWD OC Totals	60	275	359	646	4,841	1,168	376	22,644	14,581
Orange County Totals	2,026	1,869	1,531	2,807	22,116	14,997	1,369	86,648	44,162

[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 USE REDUCTION PROGRAM

Number of Process Changes by Agency

Agency	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	Overall Program Interventions	Annual Water Savings[1]
Brea	0	0	0	0	0	0	0	0	0
Buena Park	0	0	0	0	1	0	0	2	54
East Orange	0	0	0	0	0	0	0	0	0
El Toro	0	0	0	0	0	0	0	0	0
Fountain Valley	0	0	0	0	0	1	1	2	35
Garden Grove	0	0	0	0	1	0	0	1	0
Golden State	0	0	0	0	0	0	0	1	3
Huntington Beach	0	2	0	1	2	0	0	5	132
Irvine Ranch	1	1	1	0	2	1	0	9	115
La Habra	0	0	0	0	1	0	0	1	0
La Palma	0	0	0	0	0	0	0	0	0
Laguna Beach	0	0	0	0	0	0	0	0	0
Mesa Water	0	0	0	0	0	0	0	0	0
Moulton Niguel	0	0	0	0	0	0	0	0	0
Newport Beach	0	0	0	1	0	0	0	1	21
Orange	0	0	0	0	1	2	0	4	88
San Juan Capistrano	0	0	0	0	0	0	0	0	0
San Clemente	0	0	0	0	0	0	0	0	0
Santa Margarita	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	0	0	0	0
Serrano	0	0	0	0	0	0	0	0	0
South Coast	0	0	0	0	1	1	0	2	134
Trabuco Canyon	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0
Westminster	0	0	0	0	0	0	0	0	0
Yorba Linda	0	0	0	0	0	0	0	0	0
MWDOC Totals	1	3	1	2	9	5	1	28	582
Anaheim	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	0	0	0	0	0
Santa Ana	0	0	0	0	1	0	0	1	11
OC Totals	1	3	1	2	10	5	1	29	593

[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 11/12		FY 12/13		FY 13/14		FY 14/15		FY 15/16		FY 16/17		FY 17/18		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	3,397	9,466	7,605	0	5,697	0	71,981	30,617	118,930	404,411	8,354	479	0	0	215,964	444,973	302.71
Buena Park	0	0	0	0	0	0	11,670	1,626	77,127	16,490	3,741	0	1,000	0	93,538	18,116	47.95
East Orange	0	0	0	0	1,964	0	18,312	0	27,844	0	0	0	0	0	48,120	0	23.32
El Toro	4,723	0	4,680	72,718	4,582	0	27,046	221,612	63,546	162,548	13,139	48,019	1,734	0	119,450	504,897	324.42
Fountain Valley	1,300	0	682	7,524	4,252	0	45,583	5,279	65,232	0	3,679	0	1,907	0	122,635	12,803	68.32
Garden Grove	14,013	0	4,534	0	8,274	0	67,701	22,000	177,408	49,226	11,504	0	0	0	283,434	117,403	223.69
Golden State	42,593	30,973	31,813	3,200	32,725	8,424	164,507	190,738	310,264	112,937	0	0	0	0	581,902	346,272	506.98
Huntington Beach	27,630	48,838	9,219	12,437	20,642	0	165,600	58,942	305,420	270,303	9,560	21,534	289	0	539,161	415,705	488.85
Irvine Ranch	6,450	1,666	32,884	32,384	36,584	76,400	234,905	317,999	782,844	2,675,629	231,483	46,725	19,203	22,098	1,349,776	3,185,695	2,008.09
La Habra	0	8,262	0	0	0	0	14,014	1,818	49,691	72,164	0	0	501	0	64,206	90,019	76.92
La Palma	0	0	0	0	0	0	4,884	0	10,257	59,760	0	0	0	0	15,141	59,760	32.14
Laguna Beach	2,533	0	2,664	1,712	4,586	226	13,647	46,850	47,614	0	3,059	0	220	0	75,301	48,788	65.38
Mesa Water	6,777	0	10,667	0	22,246	0	131,675	33,620	220,815	106,896	4,173	77,033	2,000	0	398,353	217,549	284.39
Moulton Niguel	4,483	26,927	11,538	84,123	14,739	40,741	314,250	1,612,845	889,748	1,059,279	220,749	0	13,679	0	1,470,142	2,840,054	2,130.56
Newport Beach	3,454	0	3,548	2,346	894	0	33,995	65,277	76,675	375,404	2,924	0	0	0	121,490	443,027	255.24
Orange	12,971	0	15,951	8,723	11,244	0	120,093	281,402	289,990	106,487	12,847	2,366	1,734	0	464,830	398,978	437.16
San Clemente	21,502	0	16,062	13,165	18,471	13,908	90,349	1,137	215,249	438,963	4,267	0	9,723	0	375,623	467,173	396.84
San Juan Capistrano	22,656	103,692	29,544	27,156	12,106	0	101,195	32,366	197,290	143,315	2,624	40,748	0	0	365,415	347,277	409.91
Santa Margarita	1,964	11,400	10,151	11,600	17,778	48,180	211,198	514,198	534,048	550,420	17,010	28,094	10,387	0	807,019	1,169,453	964.55
Santiago	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Seal Beach	0	0	3,611	0	0	0	15,178	504	17,349	15,911	1,234	0	0	0	37,372	16,415	26.13
Serrano	0	0	0	0	2,971	0	41,247	0	127,877	4,403	5,450	0	0	0	177,545	4,403	82.26
South Coast	6,806	0	9,429	4,395	15,162	116,719	84,282	191,853	181,102	128,290	14,967	0	988	574	312,736	458,155	417.86
Trabuco Canyon	272	0	1,542	22,440	2,651	0	14,771	0	42,510	88,272	1,465	0	768	0	63,979	110,712	85.98
Tustin	0	0	9,980	0	1,410	0	71,285	14,137	232,697	33,362	11,173	0	0	0	326,545	47,499	172.08
Westminster	0	0	0	0	0	0	14,040	34,631	71,833	23,902	11,112	0	958	0	97,943	58,533	70.71
Yorba Linda	0	0	0	0	0	0	112,136	12,702	360,279	116,985	19,420	0	4,323	0	507,507	129,687	289.11
MWDOC Totals	183,524	241,224	216,104	303,923	238,978	304,598	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	69,414	22,672	9,035,127	11,953,346	10,191.54

Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Fullerton	0	0	0	0	0	9,214	0	0	0	0	0	0	0	0	0	9,214	6.45
Santa Ana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Non-MWDOC Totals	0	0	0	0	0	9,214	0	0	0	0	0	0	0	0	0	9,214	6.45

Orange County Totals	183,524	241,224	216,104	303,923	238,978	313,812	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	69,414	22,672	9,035,127	11,962,560	10,198
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[1] Installed device numbers are listed as square feet

HIGH EFFICIENCY TOILETS (HETs) INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	Total	Cumulative Water Savings across all Fiscal Years
Brea	0	0	38	146	154	4	0	450	96.65
Buena Park	0	0	96	153	112	13	0	684	185.90
East Orange CWD RZ	0	0	13	26	24	0	0	86	20.43
El Toro WD	0	133	218	869	264	12	1	2,038	524.33
Fountain Valley	0	0	41	132	220	7	0	823	242.93
Garden Grove	0	0	63	350	363	7	1	1,485	411.46
Golden State WC	80	2	142	794	512	9	5	2,795	758.23
Huntington Beach	0	0	163	1,190	628	4	0	2,901	698.27
Irvine Ranch WD	0	1,449	810	1,777	2,798	638	85	16,994	5,290.99
Laguna Beach CWD	0	0	45	112	81	1	0	388	101.25
La Habra	0	0	37	94	83	5	1	591	190.75
La Palma	0	0	21	59	52	4	0	222	56.39
Mesa Water	0	0	147	162	162	7	0	1,618	580.97
Moulton Niguel WD	0	0	400	2,497	1,939	49	19	5,709	1,100.36
Newport Beach	0	0	49	168	243	11	2	727	177.09
Orange	0	1	142	978	416	17	1	2,180	515.31
San Juan Capistrano	0	0	35	140	202	3	2	525	116.91
San Clemente	0	0	72	225	246	11	0	872	218.24
Santa Margarita WD	0	0	528	997	1,152	114	15	3,324	651.45
Seal Beach	0	2	17	50	69	-1	0	857	385.24
Serrano WD	0	0	2	40	55	3	0	121	23.54
South Coast WD	23	64	102	398	235	11	3	1,024	222.75
Trabuco Canyon WD	0	0	10	108	169	2	0	339	62.73
Tustin	0	0	64	132	201	12	2	1,508	525.01
Westminster	0	0	35	161	359	3	0	1,331	403.37
Yorba Linda WD	0	0	40	280	379	12	4	1,255	335.11
MWDOC Totals	103	1,651	3,330	12,038	11,118	958	141	50,847	13,895.66

Anaheim	0	0	156	1,188	614	70	2	5,867	1,941.76
Fullerton	0	0	61	293	286	14	5	1,060	268.25
Santa Ana	0	0	33	602	293	20	0	2,021	601.53
Non-MWDOC Totals	0	0	250	2,083	1,193	104	7	8,948	2,811.54

Orange County Totals	103	1,651	3,580	14,121	12,311	1,062	148	59,795	16,707.20
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Water Smart Landscape Program

Total Number of Meters
in Program by Agency

Agency	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Overall Water Savings To Date (AF)
Brea	0	0	0	0	22	22	22	22	22	64.37
Buena Park	0	0	17	103	101	101	101	101	101	462.69
East Orange CWD RZ	0	0	0	0	0	0	0	0	0	0.00
El Toro WD	352	384	371	820	810	812	812	812	812	4,856.93
Fountain Valley	0	0	0	0	0	0	0	0	0	0.00
Garden Grove	0	0	0	0	0	0	0	0	0	0.00
Golden State WC	14	34	32	34	32	32	32	32	32	200.59
Huntington Beach	0	0	31	33	31	31	31	31	31	148.43
Irvine Ranch WD	708	1,008	6,297	6,347	6,368	6,795	6,797	6,769	6,780	38,304.89
Laguna Beach CWD	0	57	141	143	141	124	124	124	124	733.07
La Habra	0	23	22	24	22	22	22	22	22	136.72
La Palma	0	0	0	0	0	0	0	0	0	0.00
Mesa Water	165	286	285	288	450	504	511	514	515	2,943.57
Moulton Niguel WD	180	473	571	595	643	640	675	673	661	4,120.71
Newport Beach	58	142	171	191	226	262	300	300	300	1,501.19
Orange	0	0	0	0	0	0	0	0	0	0.00
San Clemente	227	233	247	271	269	269	299	407	459	2,368.77
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0.00
Santa Margarita WD	945	1,571	1,666	1,746	1,962	1,956	2,274	2,386	2,386	14,178.10
Seal Beach	0	0	0	0	0	0	0	0	0	0.00
Serrano WD	0	0	0	0	0	0	0	0	0	0.00
South Coast WD	62	117	108	110	118	118	118	164	164	829.91
Trabuco Canyon WD	12	49	48	62	60	60	60	60	60	350.52
Tustin	0	0	0	0	0	0	0	0	0	0.00
Westminster	10	18	18	20	18	18	18	18	18	116.46
Yorba Linda WD	0	0	0	0	0	0	0	0	0	0.00
MWDOC Totals	2,733	4,395	10,025	10,787	11,273	11,766	12,196	12,435	12,487	71,316.9
Anaheim	0	0	142	146	144	190	190	190	190	1,351.53
Fullerton	0	0	0	0	0	0	0	0	0	0.00
Santa Ana	0	0	0	0	0	0	0	0	0	0.00
Non-MWDOC Totals	0	0	142	146	144	190	190	190	190	1,351.53
Orange Co. Totals	2,733	4,395	10,167	10,933	11,417	11,956	12,386	12,625	12,677	72,668.45

HOME WATER SURVEYS PERFORMED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14		FY 14/15		FY 15/16		Total		Cumulative Water Savings
	Surveys	Cert Homes	Surveys	Cert Homes	Surveys	Cert Homes	Surveys	Cert Homes	
Brea	1	0	2	0	0	0	3	0	0.16
Buena Park	0	0	1	0	0	0	1	0	0.05
East Orange	19	0	1	0	0	0	20	0	1.39
El Toro	0	0	3	0	0	0	3	0	0.14
Fountain Valley	3	0	4	0	1	0	8	0	0.42
Garden Grove	0	0	6	0	1	0	7	0	0.31
Golden State	0	0	0	0	0	0	0	0	0.00
Huntington Beach	2	0	5	0	2	0	9	0	0.42
Irvine Ranch	1	0	3	0	6	0	10	0	0.35
La Habra	0	0	1	0	0	0	1	0	0.05
La Palma	0	0	0	0	0	0	0	0	0.00
Laguna Beach	4	0	8	0	1	0	13	0	0.68
Mesa Water	0	0	0	0	0	0	0	0	0.00
Moulton Niguel	4	0	4	0	0	0	8	0	0.47
Newport Beach	2	0	8	0	6	0	16	0	0.66
Orange	2	0	18	0	1	0	21	0	1.01
San Clemente	15	0	13	0	0	0	28	0	1.67
San Juan Capistrano	4	0	13	0	2	0	19	0	0.94
Santa Margarita	15	0	40	1	14	0	69	1	3.27
Seal Beach	0	0	1	0	2	0	3	0	0.09
Serrano	0	0	2	0	0	0	2	0	0.09
South Coast	6	0	4	0	1	0	11	0	0.64
Trabuco Canyon	0	0	4	0	0	0	4	0	0.19
Tustin	0	0	10	0	5	0	15	0	0.59
Westminster	0	0	0	0	0	0	0	0	0.00
Yorba Linda	0	0	13	0	10	0	23	0	0.85
MWDOC Totals	78	0	164	1	52	0	294	1	14.44

Anaheim	0	0	0	0	0	0	0	0	0.00
Fullerton	0	0	17	0	1	0	18	0	0.82
Santa Ana	0	0	0	0	0	0	0	0	0.00
Non-MWDOC Totals	0	0	17	0	1	0	18	0	0.82

Orange County Totals	78	0	181	1	53	0	312	1	15.266
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SYNTHETIC TURF INSTALLED BY AGENCY^[1]
through MWDOC and Local Agency Conservation Programs

Agency	FY 07/08		FY 08/09		FY 09/10		FY 10/11		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	
Brea	0	0	2,153	2,160	500	0	0	0	2,653	2,160	3.30
Buena Park	0	0	1,566	5,850	0	0	0	0	1,566	5,850	5.19
East Orange	0	0	0	0	983	0	0	0	983	0	0.55
El Toro	3,183	0	2,974	0	3,308	0	895	0	10,360	0	6.98
Fountain Valley	11,674	0	1,163	0	2,767	0	684	0	16,288	0	12.46
Garden Grove	1,860	0	0	0	3,197	0	274	0	5,331	0	3.47
Golden State	6,786	0	13,990	0	15,215	0	2,056	0	38,047	0	24.88
Huntington Beach	15,192	591	12,512	0	4,343	1,504	0	0	32,047	2,095	25.29
Irvine Ranch	11,009	876	13,669	0	2,585	0	0	0	27,263	876	21.00
La Habra	0	0	0	0	0	0	0	0	0	0	-
La Palma	429	0	0	0	0	0	0	0	429	0	0.36
Laguna Beach	3,950	0	3,026	0	725	0	0	0	7,701	0	5.84
Mesa Water	4,114	0	3,005	78,118	4,106	0	2,198	0	13,423	78,118	63.46
Moulton Niguel	14,151	0	25,635	2,420	7,432	0	0	0	47,218	2,420	35.69
Newport Beach	2,530	0	6,628	0	270	0	0	0	9,428	0	6.92
Orange	4,169	0	7,191	0	635	0	0	0	11,995	0	8.89
San Clemente	9,328	0	11,250	455	2,514	1,285	500	0	23,592	1,740	18.37
San Juan Capistrano	0	0	7,297	639	2,730	0	4,607	0	14,634	639	9.02
Santa Margarita	12,922	0	26,069	0	21,875	0	7,926	0	68,792	0	44.68
Seal Beach	0	0	817	0	0	0	0	0	817	0	0.57
Serrano	7,347	0	1,145	0	0	0	0	0	8,492	0	6.97
South Coast	2,311	0	6,316	0	17,200	0	1,044	0	26,871	0	16.43
Trabuco Canyon	1,202	0	9,827	0	0	0	0	0	11,029	0	7.89
Tustin	6,123	0	4,717	0	2,190	0	0	0	13,030	0	9.67
Westminster	2,748	16,566	8,215	0	890	0	0	0	11,853	16,566	22.47
Yorba Linda	11,792	0	12,683	0	4,341	5,835	0	0	28,816	5,835	24.48
MWDOC Totals	132,820	18,033	181,848	89,642	97,806	8,624	20,184	0	432,658	116,299	384.83

Anaheim	4,535	0	7,735	20,093	13,555	65,300	4,122	0	29,947	85,393	69.18
Fullerton	4,865	876	5,727	0	6,223	0	105	0	16,920	876	12.36
Santa Ana	0	0	2,820	0	525	0	0	0	3,345	0	2.27
Non-MWDOC Totals	9,400	876	16,282	20,093	20,303	65,300	4,227	0	50,212	86,269	83.81

Orange County Totals	142,220	18,909	198,130	109,735	118,109	73,924	24,411	0	482,870	202,568	468.63
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[1] Installed device numbers are calculated in square feet

ULF TOILETS INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	Previous Years	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	FY 00-01	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	Total	Cumulative Water Savings across all Fiscal Years
Brea	378	189	299	299	122	144	867	585	341	401	26	48	17	4	0	3,720	1,692.64
Buena Park	361	147	331	802	520	469	524	1,229	2,325	1,522	50	40	18	9	0	8,347	3,498.37
East Orange CWD RZ	2	0	33	63	15	17	15	50	41	44	19	18	13	2	0	332	138.23
El Toro WD	1,169	511	678	889	711	171	310	564	472	324	176	205	61	40	0	6,281	3,091.16
Fountain Valley	638	454	635	858	1,289	2,355	1,697	1,406	1,400	802	176	111	58	32	0	11,911	5,383.10
Garden Grove	1,563	1,871	1,956	2,620	2,801	3,556	2,423	3,855	3,148	2,117	176	106	67	39	0	26,298	12,155.41
Golden State WC	3,535	1,396	3,141	1,113	3,024	2,957	1,379	2,143	3,222	1,870	167	116	501	43	0	24,607	11,731.47
Huntington Beach	3,963	1,779	2,600	2,522	2,319	3,492	3,281	2,698	3,752	1,901	367	308	143	121	0	29,246	13,854.70
Irvine Ranch WD	4,016	841	1,674	1,726	1,089	3,256	1,534	1,902	2,263	6,741	593	626	310	129	0	26,700	11,849.23
Laguna Beach CWD	283	93	118	74	149	306	220	85	271	118	32	26	29	6	0	1,810	845.69
La Habra	594	146	254	775	703	105	582	645	1,697	1,225	12	31	6	7	0	6,782	2,957.73
La Palma	65	180	222	125	44	132	518	173	343	193	31	27	20	17	0	2,090	927.52
Mesa Water	1,610	851	1,052	2,046	2,114	1,956	1,393	1,505	2,387	988	192	124	56	14	0	16,288	7,654.27
Moulton Niguel WD	744	309	761	698	523	475	716	891	728	684	410	381	187	100	0	7,607	3,371.14
Newport Beach	369	293	390	571	912	1,223	438	463	396	1,883	153	76	36	16	0	7,219	3,166.77
Orange	683	1,252	1,155	1,355	533	2,263	1,778	2,444	2,682	1,899	193	218	88	53	4	16,600	7,347.93
San Juan Capistrano	1,234	284	193	168	323	1,319	347	152	201	151	85	125	42	39	0	4,663	2,324.42
San Clemente	225	113	191	65	158	198	667	483	201	547	91	66	37	34	0	3,076	1,314.64
Santa Margarita WD	577	324	553	843	345	456	1,258	790	664	260	179	143	101	29	0	6,522	3,001.01
Seal Beach	74	66	312	609	47	155	132	81	134	729	29	10	6	12	0	2,396	1,073.80
Serrano WD	81	56	68	41	19	52	95	73	123	98	20	15	14	2	0	757	338.66
South Coast WD	110	176	177	114	182	181	133	358	191	469	88	72	32	22	0	2,305	990.05
Trabuco Canyon WD	10	78	42	42	25	21	40	181	102	30	17	20	12	14	0	634	273.02
Tustin	968	668	557	824	429	1,292	1,508	1,206	1,096	827	69	89	26	12	0	9,571	4,423.88
Westminster	747	493	969	1,066	2,336	2,291	2,304	1,523	2,492	1,118	145	105	70	24	0	15,683	7,064.28
Yorba Linda WD	257	309	417	457	404	1,400	759	1,690	1,155	627	158	136	81	41	0	7,891	3,409.49
MWDOC Totals	24,256	12,879	18,778	20,765	21,136	30,242	24,918	27,175	31,827	27,568	3,654	3,242	2,031	861	4	249,336	113,878.61

Anaheim	447	1,054	1,788	3,661	1,755	7,551	4,593	6,346	9,707	5,075	473	371	462	341	1	43,625	18,359.52
Fullerton	1,453	1,143	694	1,193	1,364	2,138	1,926	2,130	2,213	1,749	172	77	44	23	2	16,321	7,435.23
Santa Ana	1,111	1,964	1,205	2,729	2,088	8,788	5,614	10,822	10,716	9,164	279	134	25	5	0	54,644	22,887.95
Non-MWDOC Totals	3,011	4,161	3,687	7,583	5,207	18,477	12,133	19,298	22,636	15,988	924	582	531	369	3	114,590	48,682.70

Orange County Totals	27,267	17,040	22,465	28,348	26,343	48,719	37,051	46,473	54,463	43,556	4,578	3,824	2,562	1,230	7	363,926	162,561.30
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I hereby certify that the following Agenda was posted at least 72 hours prior to the time of the Board Meeting so noticed below, at the usual agenda posting location of the South Orange County Wastewater Authority [SOCWA] and at www.socwa.com.


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

AGENDA

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

Thursday, October 5, 2017
8:30 a.m.

THE BOARD OF DIRECTORS MEETING ROOM IS LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA. THE ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS (I.E. ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.), PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY'S OFFICE AT 949-234-5421 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA OF THE AUTHORITY OFFICE AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE BOARD OF DIRECTORS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE BOARD OF DIRECTORS MEETING ROOM.

1. CALL MEETING TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ORAL COMMUNICATIONS

- A. Members of the public may address the board regarding an item on the agenda or may reserve this opportunity during the meeting at the time item is discussed by the board. There will be a three-minute limit for public comments. A "Request to be Heard" form is available at the entry table and may be submitted to the Clerk of the Board before the Presiding Officer announces the Agenda Item. Your name will be called to speak at that time.

4. CONSENT CALENDAR

A. Monthly Financial Reports

The Finance Committee recommends that the Board receive and file the Month End July 31, 2017 reports.

ACTION Staff recommends that the Board ratify the Summary of Disbursements (Item 1 below) and receive and file the subject reports (Item 2 below):

1. Summary of Disbursements in the amount of \$2,827,439.63 for the period July 1, 2017 through July 31, 2017. (Exhibit A).....	3
2. July 31, 2017 Financial Reports	
• Schedule of Funds Available for Reinvestment (Exhibit B).....	4
• Schedule of Cash and Investments (Exhibit C)	5
• Capital Projects Summary (Exhibit D)	6
a) Large Capital Projects Budget vs. Actual – Graph (Exhibit D1)	7
• Budget vs. Actual Expenses:	
a) O&M vs. Actual Comparison by PC (Exhibit E1)	8
b) Budget vs. Actual Comparison - Residual Engineering (Exhibit E2)	16
c) Budget vs. Actual Comparison - Administration (Exhibit E3)	17
d) Budget vs. Actual Comparison - Information Technology (Exhibit E4).....	18

B. Operational Reports

ACTION The Board will be requested to receive and file subject reports.

1) August 2017 Operations Report	21
2) Ocean Outfall Discharges by Agency	28
3) Beach/Ocean Monitoring Report.....	30
4) Recycled Water Report.....	51
5) Pretreatment Report	55

C. Capital Improvement Program

ACTION The Board will be requested to receive and file subject reports.

Status Report	59
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D. Project Committee No. 2

Change Order – HDR Engineering Construction Services Contract.....	75
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ACTION The PC2 Board will be requested to approve Change Orders 1, 2, 3 and 4 to the construction services contract with HDR Engineering for the J. B. Latham Treatment Plant Facility Improvements Packages 'A' and 'C' Project.

E. Project Committee No. 5

Dilution Study Contract Extension Request79

ACTION The Board will be requested to extend the contract with Michael Baker International in the amount of \$17,674.

F. Project Committee No. 15

Change Order – Dudek Design and Environmental Services Contract80

ACTION The PC15 Board will be requested to approve Change Order 5 to the design and environmental services contract with Dudek for the Coastal Treatment Plant Export Sludge System Replacement Project.

5. FINANCIAL MATTERS

A. FY 2015-16 Audited Financial Statements Supplemental Schedules88

ACTION Staff recommends that the Board receive and file the FY Ending June 30, 2016 Supplemental Schedules as revised.

B. General Budget: Policy on Allocation of Costs131

1. Presentation by Trabuco Canyon Water District and discussion to follow.

2. SOCWA Staff Discussion

ACTION The Board will be requested to return the item to Finance Committee for further development based on discussion.

C. 2005 Capitalization Policy Update147

ACTION The Finance Committee recommends that the Board of Directors approve one correction to Exhibit “A” as referred to and adopted by SOCWA Resolution 2005-23, described as within Paragraph 6: “All Office Equipment purchased through operational budgets, with a value of \$5000 or more and a useful life of more than three years shall be considered a depreciable asset.”

D. Implementation of Additional Retiree Health Benefits Tier155

ACTION 1) The Board will be requested to approve authorization to be given to the General Manager to execute the following:

- a) Administrative Services Agreement
- b) Resolution for Adoption and Statement of Adoption

- c) VantageCare Retirement Health Savings (RHS)
Adoption Agreement
- d) Declaration of Trust
- e) Retiree Welfare Benefits Plan

2) The Board will be requested to approve a budget adjustment to the FY 2017-18 SOCWA Administration Budget to add \$2500 for the funding of the ADP Services Attendant to the Tier I reimbursements.

6. ENGINEERING MATTERS

A. Award of Contract – JBL Treatment Plant Improvements Package ‘B’ [PC 2]193

ACTION The Board will be requested to approve the award of the engineering services contract to Carollo at a fee of \$1,597,876.00.

7. GENERAL MANAGER’S REPORTS

General Manager’s Status Report202

ACTION The Board will review the General Manager’s Status Report:

- Board Questions
- Receive and file

8. OTHER MATTERS

A. Open discussion or items received too late to be agendized.

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

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

9. ADJOURNMENT

THE NEXT REGULAR SOCWA BOARD MEETING WILL BE HELD ON
NOVEMBER 2, 2017 AT 8:30 A.M.

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

October 12, 2017

8:30 a.m.

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee has been scheduled to be held on **October 12, 2017, at 8:30 a.m.** at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

THE SOCWA MEETING ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS (I.E., ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.) PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5421 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ENGINEERING COMMITTEE IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE ENGINEERING COMMITTEE ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE ENGINEERING COMMITTEE LESS THAN 72 HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA OF THE AUTHORITY OFFICE AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE ENGINEERING COMMITTEE MEMBERS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE ENGINEERING COMMITTEE MEETING ROOM.

AGENDA

- 1. Call Meeting to Order**
- 2. Public Comments**

PERSONS WISHING TO ADDRESS THE ENGINEERING COMMITTEE ON MATTERS NOT LISTED ON THE AGENDA MAY DO SO AT THIS TIME. "REQUEST TO BE HEARD" FORMS ARE AVAILABLE AT THE ENTRANCE TO THE BOARD ROOM. COMMENTS ARE LIMITED TO THREE (3) MINUTES UNLESS FURTHER TIME IS GRANTED BY THE PRESIDING OFFICER. SUBMIT FROM TO THE CLERK OF THE BOARD PRIOR TO THE BEGINNING OF THE MEETING.

THOSE WISHING TO ADDRESS THE ENGINEERING COMMITTEE ON ANY ITEM LISTED ON THE AGENDA SHOULD SUBMIT A "REQUEST TO BE HEARD" FORM TO THE CLERK OF THE BOARD BEFORE THE PRESIDING OFFICER ANNOUNCES THAT AGENDA ITEM. YOUR NAME WILL BE CALLED TO SPEAK AT THAT TIME.

NOTICE OF ENGINEERING COMMITTEE

October 12, 2017

Page 2 of 2

3. Review/Approval of Meeting Minutes
(June '17, July '17, August '17, September '17)
4. Operations Report
5. Aliso Creek Ecosystem Restoration Project
(Project Committees 15, 21, and 24)
6. Regional Treatment Plant Switchgear and Cogeneration Upgrade Construction Project Update (Project Committee 17)
7. Coastal Treatment Plant Miscellaneous Improvements 2017 Construction Project Update (Project Committee 15)
8. Coastal Treatment Plant Ten Year Plan Review (Project Committee 15)
9. Coastal Treatment Plant Facility Improvements Design Proposal Review (Project Committee 15)

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

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

Dated this 5th day of October 2017



Betty C. 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

October 2, 2017, 8:30 a.m.

MWDOC Conference Room 101

P&O Committee:

Director Dick, Chair

Director Tamaribuchi

Director Yoo Schneider

Staff: R. Hunter, K. Seckel, J. Berg,

H. De La Torre, K. Davanaugh

Ex Officio Member: W. Osborne

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 --
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PRESENTATION

1. ORANGE COUNTY WATER LOSS CONTROL PROGRAM

DISCUSSION ITEM

2. STATUS OF ORANGE COUNTY'S CYCLIC IN-LIEU PROGRAM

ACTION ITEM

3. SEISMIC STUDY RESULTS FOR THE MWDOC OFFICES AND PROPOSED STAFF WORK PLAN AND AWARD OF CONTRACT TO IDS GROUP FOR ADDITIONAL SEISMIC WORK AT BOTH THE MWDOC OFFICE AND THE SOUTH EOC

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. STAFF REPORT ON RECENT UPPER BASIN COLORADO RIVER TOUR (AUGUST 28-31, 2017)
5. SOLE SOURCE PROCUREMENT JUSTIFICATION FOR MIKE MARTINET (WEROC)
6. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects
 - d. Water Use Efficiency Programs Savings and Implementation Report
7. 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

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

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
October 4, 2017, 8:30 a.m.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC PARTICIPATION/COMMENTS

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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(NEXT RESOLUTION NO. 2060)

PRESENTATION/DISCUSSION/INFORMATION ITEMS

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

Recommendation: Receive input and discuss the information.

2. PRESENTATION BY BRENT YAMASAKI OF METROPOLITAN REGARDING THE STATUS OF THE OROVILLE DAM SPILLWAY REPAIR

Recommendation: Review and discuss the information presented.

3. UPDATE CALIFORNIA WATERFIX: MET'S FOURTH WHITE PAPER – Q&A DOCUMENT

Recommendation: Review and discuss the information presented.

4. 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 by MET in the Doheny Desalination Project and in the Huntington Beach Ocean Desalination Project (Poseidon Desalination Project)
- f. Orange County Reliability Projects
- g. East Orange County Feeder No. 2
- h. South County Projects

Recommendation: Discuss and provide input on information relative to the MET items of critical interest to Orange County.

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

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

Recommendation: Review and discuss the information presented.

ADJOURNMENT

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**MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
October 11, 2017, 8:30 a.m.
MWDOC Conference Room 101

Committee:

Director J. Thomas, Chairman
Director J. Finnegan
Director B. Barbre

Staff: R. Hunter, K. Seckel, C. Harris,
K. Davanaugh, H. Chumpitazi

Ex Officio Member: W. Osborne

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

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

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PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – September 2017
 - b. Disbursement Approval Report for the month of October 2017
 - c. Disbursement Ratification Report for the month of September 2017
 - d. GM Approved Disbursement Report for the month of September 2017
 - e. Water Use Efficiency Projects Cash Flow – September 30, 2017
 - f. Consolidated Summary of Cash and Investment – August 2017
 - g. OPEB Trust Fund monthly statement
2. FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the Period ending August 31, 2017

DISCUSSION ITEM

3. CALPERS ANNUAL VALUATION REPORT AS OF JUNE 30, 2017 AND UNFUNDED LIABILITY OPTIONS

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

4. HEALTH SAVINGS ACCOUNT ELECTIONS FOR 2018
5. HEALTH BENEFIT RATES FOR 2018
6. OPEB PREFUNDING TRUST PROGRAM CLIENT REVIEW
7. DISPOSAL OF FIXED ASSETS
8. DEPARTMENT ACTIVITIES REPORTS
 - a. Administration
 - b. Finance and Information Technology
9. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

OTHER ITEMS

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

ADJOURNMENT

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MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
October 16, 2017, 8:30 a.m.
Conference Room 101

Committee:

Director Tamaribuchi, Chairman
Director Dick
Director Yoo Schneider

Staff: R. Hunter, K. Seckel, J. Volzke,
P. Meszaros, H. Baez, D. Micalizzi,
T. Baca

Ex Officio Member: W. Osborne

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PUBLIC PARTICIPATION

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

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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
2. UPDATE ON CALIFORNIA WATERFIX AND MET ACTIVITIES (oral report)
3. OVERVIEW AND UPDATE ON AB 1668 AND SB 606 (FRIEDMAN/HERTZBERG/SKINNER) REGARDING MAKING CONSERVATION A CALIFORNIA WAY OF LIFE

ACTION ITEMS

4. ORANGE COUNTY REDEVELOPMENT AGENCY OVERSIGHT COMMITTEE – CALL FOR NOMINATIONS
5. MWDOC LEGISLATIVE POLICY PRINCIPLES ANNUAL UPDATE

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

6. UPDATE ON 2018 OC WATER SUMMIT (JUNE 1, 2018)
7. EDUCATION REPORT
 - a. Elementary
 - b. High School
8. PUBLIC AFFAIRS ACTIVITIES REPORT

OTHER ITEMS

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

ADJOURNMENT

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REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
October 18, 2017, 8:30 a.m.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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NEXT RESOLUTION NO. 2060

CONSENT CALENDAR (Items 1 to 4)

(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. September 6, 2017 Workshop Board Meeting
- b. September 20, 2017 Regular Board Meeting
- c. September 20, 2017 MWDOC Water Facilities Corporation Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Administration & Finance Committee: September 13, 2017
- b. Public Affairs & Legislation Committee: September 18, 2017

- c. Executive Committee Meeting: September 21, 2017

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of September 30, 2017
- b. MWDOC Disbursement Registers (September/October)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of August 31, 2017
- 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 August 31, 2017

Recommendation: Receive and file as presented.

– End Consent Calendar –

ACTION ITEMS

5-1 SEISMIC STUDY RESULTS FOR THE MWDOC OFFICES AND PROPOSED STAFF WORK PLAN AND AWARD OF CONTRACT TO IDS GROUP FOR ADDITIONAL SEISMIC WORK AT BOTH THE MWDOC OFFICE AND THE SOUTH EOC

Recommendation: Review the Seismic Study for the MWDOC Offices, review the proposed staff work plan for addressing seismic recommendations at both the MWDOC Office and the South EOC, and award 3 additional contracts to IDS at an estimated cost of \$21,400 to complete the following:

(1) Prepare plans for support and bracing of elements of the South EOC and provide engineering support services for plan check approval and construction observation at an estimated cost of \$6,100 and including owner's rep services.

(2) Prepare plans for non-structural retrofit elements of the MWDOC Administrative Building and provide engineering support services for plan check approval and construction observation at an estimated cost of \$8,700 and including owner's-rep services.

(3) Additional engineering analysis and evaluation of up to three seismic performance levels for structural retrofit of the MWDOC Administration Building at an estimated cost of \$6,600.

**5-2 ORANGE COUNTY REDEVELOPMENT AGENCY OVERSIGHT COMMITTEE –
CALL FOR NOMINATIONS**

Recommendation: The Public Affairs & Legislation Committee will review this item on October 16th and make a recommendation to the Board.

5-3 MWDOC LEGISLATIVE POLICY PRINCIPLES ANNUAL UPDATE

Recommendation: Adopt the updated legislative policy principles and provide direction to staff on the 2018 Legislative Priorities.

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

6. GENERAL MANAGER'S REPORT, OCTOBER 2017 (ORAL AND WRITTEN)

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

7. MWDOC GENERAL INFORMATION ITEMS

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

Recommendation: Receive and file as presented.

CLOSED SESSION

8. PUBLIC EMPLOYEE PERFORMANCE EVALUATION

Title: General Manager
Government Code Section 54957

RECONVENE INTO OPEN SESSION

9. CONSIDERATION OF AMENDMENT TO GENERAL MANAGER'S EMPLOYMENT AGREEMENT

Recommendation: Discuss the General Manager's Employment Agreement and take action as appropriate.

ADJOURNMENT

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GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES OCTOBER 2017

Managers' Meeting	<p>MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on September 21, 2017. In attendance were Lisa Ohlund (EOCWD); Mark Sprague (Fountain Valley); Ken Vecchiarelli (GSWC); Brian Ragland (Huntington Beach); Paul Cook (IRWD); Drew Atwater (MNWD); George Murdoch (Newport Beach); Mike Markus (OCWD); John Kennedy (OCWD); Lawrence Brotman (San Clemente); Don Bunts (SMWD); David Spitz (Seal Beach); Jerry Vilander (SWD); Marc Marcantonio (YLWD); Steve Conklin (YLWD); and Karl Seckel; Harvey De La Torre; Heather Baez; Melissa Baum-Haley; Kevin Hostert; Chris Lingad; Charles Busslinger; Damon Micalizzi; and myself of staff.</p> <p>The agenda included the following:</p> <ol style="list-style-type: none"> 1. Orange County LAFCO – Stakeholder input for MSR 2018-2022 2. California WaterFix Update 3. Conservation Legislation Update 4. State Regulations Modeling Effort 5. Water Loss Control Update <p>The next meeting is scheduled for October 19, 2017.</p>
MET Member Agency Managers' Workgroup	<p>Harvey and I attended the Workgroup meeting at Upper San Gabriel MWD on September 29. Among the items discussed were status on the CA WaterFix, the recent Westland's Board vote and the upcoming MET Board action. In addition, there was discussion on the recent developments of the long term conservation legislation and other water related legislation i.e., the Monning bill and its proposal of a public goods charge. Lastly, there was a brief discussion of the CA Supreme Court denial of SDCWA's appeal regarding the rate litigation with MET.</p>
MET Regional Recycling Groundbreaking Ceremony	<p>MWDOC MET Directors and MWDOC staff attended MET's Groundbreaking Ceremony of its Regional Recycled Water Demo facility on September 18 at the Sanitation Districts of LA County's Joint Water Pollution Control Plant in Carson. A number of MET Directors, along with General Manager Kightlinger and Chairman Record attended the event. In addition, a number of local elected officials, such as Carson Mayor Robles, Congresswoman Napolitano, and Sanitation General Manager, Grace Robinson Hyde, were in attendance.</p>

MET ITEMS CRITICAL TO ORANGE COUNTY

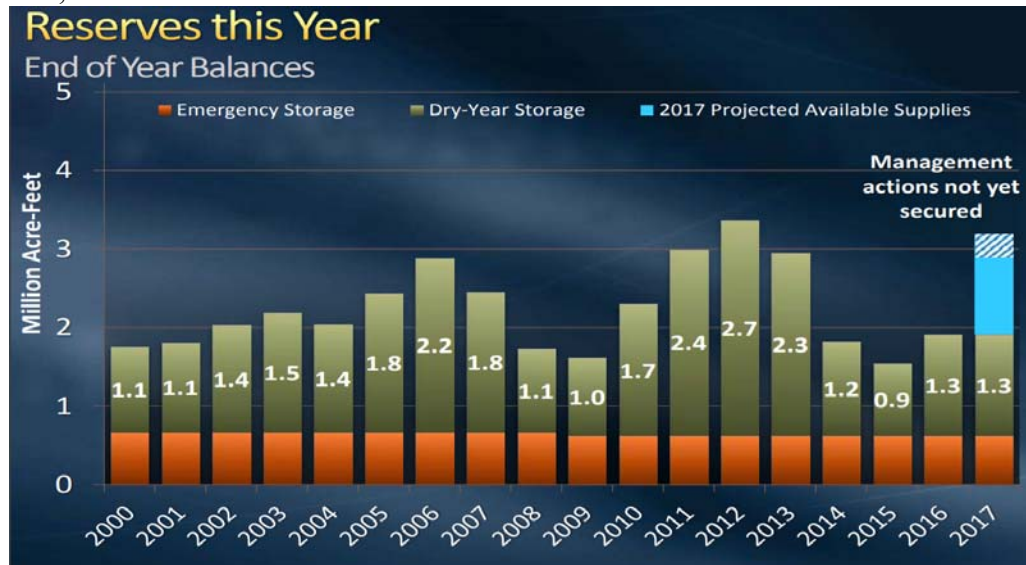
MET's Water Supply Conditions

2017 Water Supply Balance

With the Department of Water Resources (DWR) setting the State Water Project (SWP) "Table A" allocation at 85%, MET will have approximately 1.624 million acre-feet (MAF) in SWP deliveries this water year. In addition, MET has received approximately 124 TAF of Article 21 supplies through July. On the Colorado River system, MET estimates a total delivery of 960 TAF.

MET is projecting that supplies will exceed demand levels in CY 2017. With a current demand trend of 1.47 MAF, MET is expected to increase its dry-year supplies by 1.28 MAF, which is the highest they have ever stored. Based on this estimated recovery and a beginning dry-year storage balance of 1.3 MAF, this will bring MET's total dry-year storage to 2.5 MAF.

Limitations with recharging groundwater basins due to the "suspect" of quagga mussels and to secure all of the available imported water supplies for 2017, the MET Board approved last month a one-year In-Lieu storage program. The purpose of this program is to store additional imported water locally that would have otherwise been lost if no action was taken. For August 2017, MWDOC has requested that MET certify 10,106 AF of imported treated deliveries as In-Lieu. In-Lieu deliveries for September 2017 are estimated to be around 11,000 AF to 14,500 AF.



MET's Finance and Rate Issues	<p>The financial portfolio performance report through August 31, 2017 resulted in a short-term portfolio with a market value of \$719.9 million, a decrease of \$16.8 million since July 31, 2017. From inception, the short-term portfolio has outperformed the benchmark by 0.58% or \$0.8 million.</p> <div> <p>The chart, titled 'Short-Term Portfolio Balances', displays the change in portfolio value in millions of dollars. The y-axis ranges from -\$500 to \$1,000. Two blue bars represent the values for 7/31/2017 (\$736.7 million) and 8/31/2017 (\$719.9 million). A third bar, labeled 'Decrease', shows a value of -\$16.8 million. The chart is set against a dark blue background with a light blue grid.</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Value (\$ millions)</th> </tr> </thead> <tbody> <tr> <td>7/31/2017</td> <td>\$736.7</td> </tr> <tr> <td>8/31/2017</td> <td>\$719.9</td> </tr> <tr> <td>Decrease</td> <td>-\$16.8</td> </tr> </tbody> </table> </div> <p>For the month of August, the total return of the long-term portfolio resulted in an outperformance of the benchmark by \$2.1 million or -0.06%. However, from inception, the long term portfolio has outperformed the benchmark by 0.29%.</p> <p>August water sales were 100.7 TAF lower than budgeted and 45.6 TAF lower than the 5-year average. Low sales in August remain due to decreased untreated water sales, this is in part due to LA purchasing very little imported water as a result of this year's snow pack in the Eastern Sierras, as well as lower than expected replenishment purchases due to the "suspect" of quagga mussels in the SWP system.</p>	Date	Value (\$ millions)	7/31/2017	\$736.7	8/31/2017	\$719.9	Decrease	-\$16.8
Date	Value (\$ millions)								
7/31/2017	\$736.7								
8/31/2017	\$719.9								
Decrease	-\$16.8								
Colorado River Issues	<p>Significant progress has been made over the past month in securing the necessary review and approvals for the proposed Minute 323 and related domestic implementation agreements. The United States has reported that the State Department's and Senate Foreign Relations Committee reviews have both been successfully completed. The U.S. and Mexico representatives of the International Boundary and Water Commission anticipate signing the minute during the last two weeks of September, contingent upon agreement by all of the U.S. entities to the related domestic implementation agreements.</p>								

Colorado River Issues (Continued)	<p>The following entities have completed their review and secured approval of the relevant domestic implementation agreements: Arizona Department of Water Resources, Central Arizona Water Conservation District, Palo Verde Irrigation District, Southern Nevada Water Authority and the State of New Mexico.</p> <p>MET, the U.S. Bureau of Reclamation (USBR) and the Imperial Irrigation District (IID) have also made progress in agreeing on proposed terms for IID's participation in the Minute 323 pilot project, resolution of IID's delivery of otherwise unused water to the Salton Sea in 2010 and IID's commitment to be bound by the Minute 319 domestic implementation agreements as though IID had signed the original agreements in 2012. MET's draft agreement with IID would allow IID the opportunity to participate in the 2017 funding agreement for water conservation projects in Mexico under Minute No. 323 and receive a proportionate share of Binational Intentionally Created Surplus (Binational ICS), however, this water would not be available to IID until the outstanding issues related to IID's 2010 delivery of otherwise unused Colorado River water to the Salton Sea have been resolved to USBR's satisfaction. Under the draft agreement, IID would be allowed to use Binational ICS to resolve those issues. Once resolved, IID could use any remaining Binational ICS for non-agricultural demands within IID's service area or to eliminate, reduce, or pay back an inadvertent overrun, but IID would not be allowed to use Binational ICS to meet water transfer obligations. IID would also share in reductions of any surplus water supplies that are made available to Mexico pursuant to Minute No. 323.</p> <p><u>System Conservation Pilot Program Update</u></p> <p>USBR notified the Colorado River Indian Tribe (CRIT) of the System Conservation Pilot Program funding partners' intent to exercise the second year option for an additional year of land fallowing with CRIT. Exercising the option will extend the CRIT land fallowing program from October 1, 2017 through September 30, 2018. CRIT can now move forward to implement the additional year of fallowing of 1,591 acres.</p> <p><u>SNWA and ADWR Send Letters of Support to Metropolitan for the Effort to Find Solutions for the Bay Delta</u></p> <p>Southern Nevada Water Authority (SNWA) and the Arizona Department of Water Resources (ADWR) have sent letters stating their support for MET's commitment to finding a solution to their work with MET</p>
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Colorado River Issues (Continued)	to develop a drought contingency plan designed to help avoid serious shortages in Lake Mead and their understanding that MET lacks the flexibility to make commitments on the Colorado River while facing great uncertainty in MET's long-term State Water Project supply. SNWA and ADWR note that in this way, Colorado River Basin water users are connected and that we all have a stake in the successful implementation of sound solutions in the California Bay-Delta.
Bay Delta/State Water Project Issues	<p><u>California WaterFix</u></p> <p>The California Department of Fish and Wildlife issued an incidental take permit for the construction and operation of California WaterFix in compliance with Section 2081(b) of the California Endangered Species Act. This permit authorizes the incidental take of state-listed species associated with future operation of the State Water Project (SWP) with the addition of the California WaterFix. This includes construction of proposed water conveyance facilities within the Sacramento-San Joaquin River Delta (Delta), along with operation of the SWP subsequent to and incorporating the newly constructed facilities for California WaterFix and future SWP operations. As described in the permit application, California WaterFix will implement measures for construction and operation of the project to fully mitigate the impacts of any incidental take of state-listed species, and will provide additional protection through real-time operation of the facilities in a manner that avoids and minimizes incidental take. Issuance of this permit represents another significant milestone in the California WaterFix planning process.</p> <p><u>State Water Resources Control Board</u></p> <p>The California WaterFix Petition proceedings before the State Water Resources Control Board (SWRCB) are ongoing. Part 1 of the hearings addresses the effects of the proposed project on legal users of water. Staff participated in the rebuttal phase of Part 1 in collaboration with the State Water Contractors. On August 10, the SWRCB issued an order setting November 8, 2017 as the deadline for submission of closing briefs for Part 1. Staff anticipates that the SWRCB will soon issue notices to initiate Part 2 of the hearings, which will address the effects of the proposed project on fish and wildlife, including consideration of appropriate Delta flow criteria.</p>

Bay Delta/State Water Project Issues (Continued)	<p><u>Science Activities</u></p> <p>MET staff participated in the Collaborative Adaptive Management Team Delta Smelt Scoping Team Outflow Group, and the Flow Alteration Project Work Team. This included helping to prepare the scope of work for the Fall X2 sampling that will be completed in 2017 and participating in the development of a Decision Support Tool based on the Delta Smelt Resiliency Strategy. In addition, MET staff, in collaboration with the State and Federal water contractors, is developing an effects analysis on potential alternative actions for Fall X2 (contained in the Delta Smelt Biological Opinion) for 2017.</p> <p>MET staff is working with ESSA Technologies consultants on a project to evaluate the reliability of environmental correlations with fish populations in the Delta. The project will consist of a literature search of environmental correlations that have been used in the Delta, a reanalysis of the correlations to determine if they hold up in the face of updated data, and recommendations for best practices when using environmental correlations as policy tools.</p> <p>MET staff attended a Yolo Bypass Biological Opinion meeting on the six alternatives proposed to modify the Fremont Weir. Initial results were presented from analyses on the economic impacts on Yolo Bypass farming and fish entrainment models. A public peer-review panel was held in September to evaluate the models being used to assess the Fremont Weir alternatives in the EIR/EIS.</p> <p>Staff participated in field work being conducted by MET's consultant ICF International to study Longfin Smelt. The purpose of the study is to examine the abundance and distribution of juvenile Longfin Smelt in the upper San Francisco Estuary.</p> <p>MET staff toured completed and proposed restoration sites along the Stanislaus River with U.S. Fish and Wildlife Service staff as part of an effort to identify non-flow actions that can be taken to support salmon recovery.</p> <p>MET staff also met with the Friends of Butte Creek, a community organization trying to identify a buyer for the DeSabra-Centerville Pacific Gas and Electric project on Butte Creek. Local interests are seeking a buyer that is prepared to meet the regulatory requirements for ESA listed spring-run Chinook Salmon in Butte Creek and potentially complete habitat improvements or expansions through the removal of decommissioned dams and canals.</p>
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Bay Delta/State Water Project Issues (Continued)	<p><u>Delta Flood Emergency Management Plan</u></p> <p>MET staff is reviewing updated drafts of the California Department of Water Resources (DWR) Delta Flood Emergency Management Plan (DFEMP) and the DWR/U.S. Army Corps of Engineers Delta Emergency Operations Integration Plan. The Integration Plan incorporates federal permit authorities for emergency work in the Delta region when an imminent threat to life or property is demonstrated. These are the primary reports controlling emergency operations in the Delta. The schedule for publication of the DFEMP may be delayed to the end of the year because of management priorities of the current flood season.</p> <p>The DWR Division of Engineering has stated that they will be acquiring additional sheet pile as a levee break closure method in the Delta through procurement mechanisms that will include broader statewide acquisitions. Additional 2014 Proposition 1 funding sources are being made available to Delta Flood Emergency Management activities. Funding amounts are being identified and will be reported.</p>
ENGINEERING & PLANNING	
Doheny Desalination Project	<p>South Coast WD is continuing to move the project forward, as follows:</p> <p><u>STATUS INFORMATION BY TASK ORDER</u></p> <p><u>Task Order # 1 – Program Management</u></p> <p>Work on the DWR Water Desalination Grant Application was completed and submitted by the due date of September 1, 2017.</p> <p>DWR is anticipating announcement of Draft Funding Decision (Awards) November 3, 2017.</p> <p>DWR anticipates announcing Desalination Final Funding Decision on December 1, 2017.</p> <p><u>Task Order # 5A – Public Outreach Phase 2</u></p> <p>The SCWD Water Reliability Public Working Group has conducted meetings; on August 30th, September 13th and September 19th.</p> <p><u>Task Order # 7 – Project Delivery Analysis</u></p>

Doheny Desalination Project (Continued)	<p>Project Delivery Workshop 5 upcoming.</p> <p>Next Major Deliverable Milestones are:</p> <p>Workshop 5, timing to be determined (tentatively for mid-November).</p> <p><u>Task Order # 8B– Environmental Impact Report</u></p> <p>Work on the Administrative Draft EIR has continued, with additional technical studies on the South East Intake area wrapping up. These include:</p> <ul style="list-style-type: none"> • Coastal Hazards and Brine Modeling • Cultural • Update to piping alignments/sizing and construction impacts • Updating Regional Conveyance conceptual option <p>Future milestones are:</p> <ul style="list-style-type: none"> • October 13, 2017: Submit Administrative Draft to District for Review • Mid October, 2017: 2nd NOP Scoping Meeting (tentatively October 17th) to discuss revised possible slant well locations and regional conveyance advancements. • November 13, 2017: Draft EIR Released for Public Comments • March 23, 2018: Final EIR Publication <p><u>Task Order # 12 – Desal Plant Site Hydrology Study</u></p> <p>The Draft Report has been submitted to the District for Review.</p> <p>District is currently reviewing the Report.</p> <p><u>Task Order # 13 – Value for Money Analysis (VfM)</u></p> <p>The VfM Board Workshop was held on March 22, 2017, and follow up meetings took place with Directors to review the Risk Register in more detail and understand additional concerns.</p> <p>The team is finalizing customer impact numbers, including an evaluation of the existing planned rate increases through 2021.</p> <p>Next Major Deliverable Milestones are:</p> <ol style="list-style-type: none"> 1) Board briefing to be scheduled 2) Final VfM Report, including additional information to address Director's specific concerns, including customer rate impact, after Board briefing <p><u>Task Order # 14 – Updated Slant Well Modeling</u></p> <p>Task 1 – Additional Data Analysis has been completed. Data analysis resulted in modifications to preliminary paleochannel configuration that warrants</p>
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Doheny Desalination Project (Continued)	<p>1) Task 2 - Exploratory borehole work to be conducted upon receipt of Part 2 Permit from OC Parks, still pending, but anticipated to be complete by September 31, 2017</p> <p>2) Task 3 – Refinement and recalibration of model has based on geophone work has been completed.</p> <p>3) Task 4 – Modeling of initial scenarios to support the Draft EIR is underway, early key results expected by September 22nd.</p> <p>4) Draft Report – Estimated at October 18, 2017</p> <p>5) Final Report – Estimated at October 31, 2017</p> <p><u>Task Order # 15 – Alternative Power Supply Analysis</u></p> <ul style="list-style-type: none"> • Final Alternative Power Supply Analysis by August 31, 2017 <p>SDG&E has indicated their ability to provide power for a desalination plant up to 5 MGD in size. Anything over 5 MGD will require additional energy infrastructure which SDG&E estimates will take 3 years to complete.</p>
Poseidon Resources	<p>Poseidon is still working on the permitting process. The public review period for the Draft Supplemental Environmental Impact Report (EIR) was extended to July 27, 2017. Poseidon anticipates a decision by the State Lands Commission on October 19 and then will continue working their way towards the Santa Ana Regional Water Quality Control permit and then on to the California Coastal Commission, likely in the first half of 2018. OCWD is still working on the system integration concepts</p>
Orange County Reliability Study	<p>CDM-Smith and MWDOC staff are in the process of completing follow-up work to the 2016 study. The work includes modeling of more recently available information, updating Colorado River assumptions, assessment of additional scenarios for the Huntington Beach Desalination Plant, assessment of the value of new storage and evaluation of various project options. The work is expected to be completed in the next few months.</p>
OC-28 Flow Metering Issue	<p>On September 18, MWDOC, MET and OCWD staff met to discuss questions MET had developed regarding the OCWD flow metering at the Anaheim Lake Facilities with respect to OC-28 deliveries. The follow-up from the meeting included:</p>

OC-28 Flow Metering Issue	<ol style="list-style-type: none"> 1. MET staff will complete a report to their Auditor that will recommend that MWDOC & OCWD be credited in the amount of 445.6 AF from metering issues that occurred in the summer of 2016. It is expected to take a month or so for the process to be completed and for the credit to be applied to our water bill in the amount of \$296,769.60. 2. MET still does not understand the exact nature of the hydraulic or high frequency transient that produced the problem in the first place. The problem does not consistently occur. At the higher flows OCWD is taking now, the meters are in proper agreement. MET would like to do some testing at OC-28 later in the year when the flows can be brought down to the 50 cfs range. MET would like to try various methods of dampening out of the transient to get an accurate pressure indicator to their flow meter. OCWD agreed to provide notice at such time as flows will be reduced and work with MET staff on flow testing. <p>Resolution of this issue took a long time due to the complexity of the situation and the inability to determine the nature of the problem. Thanks to both the OCWD and MET staff for their patience and endurance in resolving this issue.</p>
Service Connection CM-1 Cost Issues with MET	<p>Over the past six months, Tom Epperson from Tetra Tech has been providing hydraulic analyses on the concurrent ability to deliver MET water and groundwater at the same time to LBCWD through Newport Beach's water system. The solution being contemplated at this time by LBCWD will work well and does not require MET to make any changes, but there may be times when water quality issues arise in the MET system. MWDOC has hired Tetra Tech to examine several other options that can eliminate the water quality problems in the MET pipeline. The first meeting to consider alternatives was held on September 28.</p>
O.C. Integrated Regional Watershed Manage. Area	<p>Charles has been participating in weekly ad hoc committee meetings to develop the goals, objectives, and strategies for the North and Central IRWM Plan. The draft goals, objectives, and strategies were presented to stakeholders. The final draft plan is anticipated by end of November 2017.</p>
San Juan Basin Authority	<p>Santa Margarita WD continues working on the San Juan Watershed Project. Phase 1, which is being designed to capture wet and dry weather runoff, with subsequent phases looking to introduce recycled water into San Juan Creek for Indirect Potable Reuse. SMWD staff met with NOAA and National Marine Fisheries Service about fish passage design requirements for the project. The project must have a physical fish passage (fish passage cannot be provided through raising and lowering of the rubber dams). Therefore, the Draft EIR must be modified to include a fish passage. The revised estimate for public review is December 2017. An overview video is available at: http://sanjuanwatershed.com/project-overview-video/</p>

East Orange County Feeder No. 2 for Conveyance of Groundwater	MWDOC has been discussing concepts for pumping groundwater into the EOCF No. 2 for conveyance to South Orange County during an emergency event. Upcoming discussions will be held with OCWD and then the Groundwater Producers.
Water Use Efficiency Regulations	Joe, Karl, and Chris Lingad met with staff from the City of Garden Grove, their consultant Miller Spatial and the Center for Demographic Research to discuss how best to help retail agencies in Orange County better understand the level of their water use today (leaving out Commercial, Industrial & Institutional Water) compared to the proposed State Objectives. The meeting discussion also looked at ways that retail agency meters could be geo-coded (located) to tie them to parcel data that provides irrigable areas for use in water budget comparisons. Joe discussed this with MWDOC's member agencies and has potentially eight agencies interested in accessing funding through SAWPA.
San Juan Basin Authority	Director Yoo Schneider and Karl attended the San Juan Basin Authority meeting where the annual budget and pumping allowances were discussed.
San Clemente Council	A Resolution in Support of the California WaterFix was approved when Director Yoo Schneider and Karl attended the City of San Clemente Council meeting.
Board of Supervisors	Karl, Heather and John Lewis attended the Board of Supervisors meeting where the Board approved a Resolution in Support of the WaterFix.
Seal Beach Republican Women	Director Finnegan and Karl presented on water issues to the Seal Beach Republican Women.
CM-10 Valve Test	In response to a concern raised by South Coast WD about the possibility of excessive leakage on the CM-10 isolation valve, MET staff performed a valve test on September 12. The test proved successful and found the valve fully seated with minimal leakage. This provides South Coast WD assurance that the construction of upgrades to their own vault, immediately downstream of CM-10, can proceed without needing to address excessive dewatering issues.
YLWD Possible New Service Connection	Karl and Charles met with Yorba Linda WD staff and MET staff on September 13 to discuss details of a possible new service connection to the Lower Feeder to supply untreated water for a proposed housing development during construction and for future landscape irrigation needs. A number of items were identified for further follow up and clarification.

EMERGENCY PREPAREDNESS

Coordination with WEROC Member Agencies	<p><i>Ongoing: WEROC, with Michal Baker as the lead consultant, are facilitating 19 agencies through the process of updating the Orange County Water and Wastewater Multi-Jurisdictional Hazard Mitigation Plan. Update: Francisco Soto has been working with each agency to ensure that assignments between meetings are completed on time and the project stays on schedule. Francisco personally met with OCWD and Mesa Water District staff to assist them with reviewing and updating their current capabilities for the next iteration on the plan. A planning meeting took place on Wednesday, September 27, 2017.</i></p> <p>Janine Schunk worked with OA Emergency Management staff to update all of our Member Agency's AlertOC authorized users list and their paperwork.</p>
Training and Programs	<p>Francisco worked with the Orange County Sheriff's Department to conduct two 800 MHz radio trainings. The trainings focused on obtaining a better understanding of how to use the new system. Attendees learned about radio components, communication procedures, channel programming, and much more.</p> <p>Francisco and Janine attended the American Red Cross (ARC) Pre-Academy Training. The training focused on procedures for conducting light search and rescue, triage, cribbing, and basic first aid. Janine and Kelly attended the ARC Academy with training focused on business continuity and communications. David Ono of Channel 7 was the keynote speaker and gave a heart wrenching presentation focused on how society continues to build where nature proves we shouldn't (for example flood zones and tsunami zones.)</p> <p>Francisco attended the State Water Project Tour hosted by Director Larry McKenney. This tour provided Francisco with a greater understanding of the water distribution system in California and the effects that wildlife, land use, and the deteriorating delta have on water supply. Tour highlights included the Oroville Dam, Lundberg Family Farms, MWD Legislative Office, Delta Cross Channel, and the Banks Pumping station.</p> <p>Janine researched, prepared and presented weekly newsletters for FEMA's National Preparedness Month for the MWDOC Staff. She also facilitated quick weekly challenges for staff on disaster preparedness and shared discount codes with staff to refresh their home emergency kits.</p>

Coordination with the County of Orange	<p>At the City of Buena Park Community Center, Kelly and Francisco attended the September Orange County Emergency Management Organization (OCEMO) meeting where Mr. Villwock of the Laguna Beach Police Department provided a briefing on the “America First Rally” that took place in the City of Laguna Beach. His presentation focused on the planning, response, and lessons learned from the event. Ann Cave, retired emergency manager for the City of Brea, provided an update via conference call on the aftermath from Hurricane Harvey in Texas and gave an overview on the effects it had on her and her family.</p> <p>Kelly and Francisco attended the Power Outage Response Annex review meeting which took place on Thursday, September 7, 2017. The meeting focused on reviewing the Operational Area Plan and providing feedback. Our purpose for attending was to ensure that concepts that might affect water districts during a power outage are incorporated into the plan. WEROC provided various comments and recommendations. The plan will be updated by the county to reflect the comments from the meeting and a new draft will be distributed when complete.</p> <p><i>Operational Area Agreement Revision Working Group Updates: The OA is currently making revisions to the OA Emergency Management Agreement. The OA Agreement is signed by 114 government entities in Orange County and hasn't been updated since it was originally created in the late 90's. Key topics of discussion during this month's meeting included reviewing the revised OC Council, OA Executive Board and OCEMO Sections of the plan. Additionally, there was a discussion on the financial considerations in the agreement.</i></p>
Coordination with Outside Agencies	<p>Kelly participated in the OCEMO Bylaws Revision workgroup. This is related to the OA Agreement revision in that OCEMO was created by the OA Agreement and its bylaws need to be updated to reflect changes in the proposed new OA agreement and changes in actual processes. It is important for WEROC to participate as this impacts water district emergency management voting in OA matters.</p> <p>Francisco attended the WebEOC/Communications meeting at the OA EOC. The meeting focused on reviewing the latest updates to the JIMS (Joint Information Management System) platform, Significant Events Boards, Activity Log features, Training Calendar, and the latest PrepareOC updates.</p> <p>Kelly prepared the annual Federal NIMSCAST document to submit to the County and State verifying MWDOC's compliance with NIMS requirements and therefore grant eligibility. Kelly also facilitated all water districts submitting their documents as well. OC prides itself on 100% compliance within the OA.</p>

Coordination with Outside Agencies (Continued)	<p>Kelly attended the Southern Chapter – California Emergency Services Association (SCESA) Annual Meeting and Awards Luncheon. The program included a presentation from San Bernardino on the ongoing staffing and physiological impacts of the mass shooting that occurred there and a presentation on cyber security from a professor at CSU Fullerton. Kelly was recognized for her role on the SCESA Board as outgoing President and Board Member, as well as awarded a Certificate of Recognition for her work on Water Points of Distribution Planning last year.</p> <p>Kelly participated in several California Water/Wastewater Agency Response Network (CalWARN) conference calls for Hurricane Harvey and Irma. Texas WARN and Florida WARN were both sharing their mutual aid responses internal to their state and prepping other states for potential intra-state mutual aid requests. This provided a preparation and learning opportunity for the WEROC and CalWARN member agencies to access their ability to meet a mutual aid request based on the AWWA Water and Wastewater Mutual Aid & Assistance Resource Typing Manual. Intra-state mutual aid is done via a program called Emergency Mutual Assistance Compact (EMAC), which is a Governor to Governor agreement with many complexities for approval.</p>
WEROC EOC Readiness	<p>Francisco and Janine completed the replenishment and treatment of the emergency water supplies at the SEOC.</p> <p>Francisco participated in the MARS monthly radio test and the OA monthly radio test.</p>
WATER USE EFFICIENCY	
Metropolitan Conservation Program Advisory Committee	On September 19, Matthew Conway participated in the Program Advisory Committee at MET where approximately 25 MET member agency staff participated. The focus of the meeting was on program refinement recommendations to be considered by MET's Board. The next meeting is scheduled for October 12, 2017.
CA Water Efficiency Partnership	On September 20, Joe Berg chaired the quarterly membership meeting of CalWEP at the San Jose Water Company. This was a general business meeting of the Board. The next meeting is scheduled for December 13.
Water Smart Innovations Conference	On October 3 through October 6, Joe and Matthew attended the 10 th Annual Water Smart Innovations Conference in Las Vegas, Nevada. This conference is sponsored by the Southern Nevada Water Authority, American Water Works Association, Alliance for Water Efficiency, and the Environmental Protection Agency.

Metropolitan Water Use Efficiency Workgroup Meeting	<p>On September 21, Rachel Waite attended MET's Water Use Efficiency Workgroup meeting. Approximately 30 member agencies participated in the meeting. Agenda items included:</p> <ul style="list-style-type: none"> • Revenue Protection Program • California Water Efficiency Partnership (CalWEP) • California Water Fix • External Affairs and Outreach Update • SoCal Gas Restaurant Refresh Program • Innovative Conservation Program • Future Meeting Items <p>The next Workgroup meeting is scheduled for October 19 at MET.</p>
California Landscape Contractors Association (CLCA) Model Water Efficient Landscape Ordinance (MWELO) Workshop	<p>On September 29, MWDOC hosted the CLCA MWELO Workshop. Approximately 50 people attended this workshop, including landscape architects, designers, contractors, and water district employees. Topics for discussion included:</p> <ul style="list-style-type: none"> • Overview of Water Efficient Landscape Ordinance • MWELO Soil Testing and Management • Irrigation and Appendix D • Water Budgeting/ETAF Calculations and Appendices A and B • A Perspective on MWELO Application and Completion Process • Commercial and Residential Design Problems • Design/Hydrozone Exercise
Orange County Water Use Efficiency Coordinators Workgroup	<p>On October 5, Steve Hedges, Beth Fahl, and Rachel hosted the Orange County Water Use Efficiency Coordinators Workgroup meeting at MWDOC. Approximately 11 agencies participated in the meeting. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates • Agency Roundtable/Problem Solving • Public Affairs Update <ul style="list-style-type: none"> ○ MWDOC's New Logo ○ California Water Fix Update ○ Imagine a Day Without Water. • Metropolitan Update <ul style="list-style-type: none"> ○ WBIC Grant Update ○ Restaurant Refresh Program ○ Innovative Conservation Program Update

PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Attended Mesa Water District's "I Heart Mesa Water" event with Ricki Raindrop. • Coordinated logistics for booth at 2017 LBCWD SmartScape Expo on Saturday October 14 <p>Heather met with Jim Leach (SMWD) to discuss ISDOC and conservation legislation.</p> <p>Heather coordinated with Syrus Devers to have him present at the Member Agency Managers Meeting to provide a history and background of the conservation legislation – AB 1668 and SB 606.</p>
Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Had booth at OC Coastkeepers "Coastal Cleanup Jamboree" at Huntington Beach State Park.
Education	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Met with OCWD and participating agencies for 2018 Children's Water Education Festival • Met with OCDE staff for review of High School program • Attended Metropolitan's Education Coordinators Meeting
Media Relations	<p>Public Affairs staff:</p> <p>Had numerous communications with various members of the press regarding the California WaterFix and other MET issues.</p>
Special Project	<p>Public Affairs staff:</p> <ul style="list-style-type: none"> • Is currently working on itineraries, trip logistics, guest and Director requirements for the following inspection trips: <ol style="list-style-type: none"> 1. October 27-28, Director Ackerman, CRA 2. November 17, Director Dick, Diamond Valley Lake • Is planning logistics for 2017 Imagine a Day Without Water • Worked with WUE to create "Water Loss Control Program" poster for 2017 Water Innovations Conference <p>Heather coordinated with Deven Upadhyay to have him or a member of his staff speak at the October WACO meeting on the State Water Project.</p>

Special Project	<p>Heather participated in the WACO Planning Meeting.</p> <p>Heather sent out the invitation and registration email for the ISDOC Quarterly Luncheon on October 26.</p> <p>Heather coordinated with ISDOC member SMWD and Associate Member Laer Pearce & Associates to be the “spotlight” members at the ISDOC Quarterly Luncheon.</p> <p>Heather and Karl attended the Orange County Board of Supervisors meeting where Karl spoke in support of Chairwoman Michelle Steel’s resolution to support the California Water Fix.</p> <p>Heather participated in the ISDOC Executive Committee meeting.</p>
Legislative Affairs	<p>Heather participated in ACWA’s AB 401 implementation working group meeting.</p> <p>Heather monitored the ACWA Federal Affairs Committee meeting.</p> <p>Heather and Melissa participated in the Met Member Agencies Legislative Coordinators Conference Call.</p>
Water Summit	<p>Public Affairs staff:</p> <ul style="list-style-type: none"> • Participated in Summit Staff and Committee Meetings. • Reached out to several potential sponsors

pat meszaros
10/12/17



MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AGENCIES MANAGERS MEETING

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Director

Jeffery M. Thomas
Director

Robert J. Hunter
General Manager

MEMBER AGENCIES

City of Brea
City of Buena Park
East Orange County Water District
El Toro Water District
Emerald Bay Service District
City of Fountain Valley
City of Garden Grove
Golden State Water Co.
City of Huntington Beach
Irvine Ranch Water District
Laguna Beach County Water District
City of La Habra
City of La Palma
Mesa Water District
Moulton Niguel Water District
City of Newport Beach
City of Orange
Orange County Water District
City of San Clemente
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

LOCATION: MWDOC's Fountain Valley office is located at 18700 Ward St, and the entrance/exit is about ¼ mile south of Ellis Ave. The nearest freeway access is Euclid at the 405. Parking is available to the east of the MWDOC/OCWD Admin offices (follow driveway from Ward St to parking areas).

WHEN: Thursday, October 19, 2017 from 10:00 to noon.

DRAFT AGENDA

Agenda items with backup attached: 2-1, 2-2, 2-3, 2-4, 3-1, 3-2 & 3-3.

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

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2. Discussion and Report Items:

2-1. California WaterFix Vote	2
2-2. SDCWA v. Metropolitan Supreme Court Ruling.....	4
2-3. Orange County Operational Area Agreement Revision.....	6
2-4. MWDOC Budget Process Discussion	
2-5. Metropolitan Metering Workgroup Issues Report.....	13

3. Informational Items:

3-1. Conservation Legislation Working Group Meeting & PAL Committee Report...	41
3-2. September GM Report	50
3-3. Legislative Reports	67

4. Next meeting tentatively scheduled for November 16, 2017.

Lunch will be provided immediately following the Managers meeting.

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, October 11, 2017
8:00 a.m.**

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

Any member of the public may request to speak on any agenda item at the time that item is being considered by the Commission.

- 1. CALL THE MEETING TO ORDER**
- 2. PLEDGE OF ALLEGIANCE – COMMISSIONER CHARLEY WILSON**
- 3. OATH OF OFFICE – COMMISSIONER LOU PENROSE**
- 4. ROLL CALL**
- 5. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATIONS
(Received After Agenda Distribution)**
- 6. APPROVAL OF MINUTES**

a.) August 9, 2017 – Regular Commission Meeting

- 7. 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.

- 8. CONSENT CALENDAR**

a.) OCERS FY 2018-19 Retirement Contribution Rates and Prepayment Program

The Commission will consider the adoption of the retirement contribution rates as approved by the Orange County Employees Retirement System (OCERS) Executive Board for FY 2018-19 and receive a report on the OCERS prepayment program.

9. PUBLIC HEARING

None

10. SPECIAL PRESENTATIONS

a.) City of Huntington Beach Annexation of Sunset Beach Update

The Assistant City Manager of Huntington Beach will provide an update on the collaborative effort involving LAFCO, the County, the City and the community that led to the successful annexation of the community of Sunset Beach in 2011.

b.) Irvine Ranch Water District/Los Alisos Water District Consolidation Update

The General Manager of the Irvine Ranch Water District will provide an update on the collaborative effort involving LAFCO, the affected agencies and the community that led to the successful consolidation of the two districts.

11. COMMISSION DISCUSSION AND ACTION

a.) Appointment of Alternate Voting Delegate for 2017 CALAFCO Board of Directors Elections

The Commission will consider the appointment of a Commissioner to serve as the Alternate Voting Delegate for the CALAFCO 2017 Board of Directors' elections.

b.) OC LAFCO Legal Services Request for Qualifications (RFQ) Process

The Commission will receive a report on the RFQ process for agency legal services.

12. 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 and that no action may be taken on off-agenda items unless authorized by law.

13. EXECUTIVE OFFICER'S REPORT

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

14. INFORMATIONAL ITEMS & ANNOUNCEMENTS

a.) CALAFCO Annual Conference

The CALAFCO Annual Conference will take place October 25-27 in San Diego. All staff will be attending the conference and during this time, the LAFCO offices will be closed. Immediate contact information will be posted at the OC LAFCO office and on the agency website.

15. CLOSED SESSION

None

16. 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 available to the public at Orange County LAFCO offices at 2677 North Main Street, Suite 1050, Santa Ana, CA 92705 during regular business hours. These records when possible will also be made available on the OC LAFCO website at <http://www.oclafco.org>.

NOTICE: *State law requires that a participant in a 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.*

LAFCO Agendas and supporting documentation are available on the Internet at <http://oclafco.org>.

AGENDA
SOUTH ORANGE COUNTY WATERSHED
MANAGEMENT AREA
MANAGEMENT COMMITTEE

AGENDA
October 2, 2017
1:30 – 3:30 p.m.

City of Laguna Hills, Council Chambers
24035 El Toro Road
Laguna Hills, CA 92653

[Map](#)



Shaun Pelletier

City of Aliso Viejo

Lisa Zawaski

City of Dana Point

Dave Shissler

City of Laguna Beach

Ken Rosenfield

City of Laguna Hills

Ziad Mazboudi

City of Laguna Niguel

Moy Yahya

City of Laguna Woods

Devin Slaven

City of Lake Forest

Rich Schlesinger

City of Mission Viejo

Carlos Castellanos

City of Rancho Santa Margarita

Bill Cameron

City of San Clemente

Hossein Ajideh

City of San Juan Capistrano

Marilyn Thoms

County of Orange

Bob Hill

El Toro Water District

Mark Tetterer

Irvine Ranch Water District

Joone Lopez

Moulton Niguel Water District

Karl Seckel

Municipal Water District of OC

Dan Feron

Santa Margarita Water District

Andy Brunhart

South Coast Water District

Betty Burnett

South OC Wastewater Authority

Hector Ruiz

Trabuco Canyon Water District

David Youngblood

Laguna Beach County Water District

1. Welcome & Introductions
Group
2. IRWM Plan Update & Project Submittal Process
Jenna Voss, County of Orange
3. Data Management System Overview
Jenna Voss & Justin Grewal, County of Orange
4. Executive Committee Items
Group Discussion
 - a) Approval of August 3, 2017 Executive Meeting Minutes
 - b) Approval of November 2, 2017 Meeting Agenda
 - c) Topics for Future Presentations
5. Updates on Current Activities & Projects (As Needed)
Group Discussion
6. Next Executive Committee Meeting: November 2, 2017
Next Management Committee Meeting: November 6, 2017 (If Needed)
7. Closing and Adjourn



Executive Committee Meeting

Tuesday, October 3, 2017

7:30 a.m.

Municipal Water District of Orange County Conference Room 101

AGENDA

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

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

www.mwdoc.com/isdoc

Executive Committee

President
Hon. Jim Fisler
Mesa Water District

1st Vice President
Hon. Sandra Jacobs
Santa Margarita Water District

2nd Vice President
Hon. Mark Monin
El Toro Water District

3rd Vice President
Hon. Mary Aileen Matheis
Irvine Ranch Water District

Secretary
Hon. Doug Davert
East Orange County Water District

Treasurer
Hon. Joan C. Finnegan
Municipal Water District of Orange County

Past President
Hon. Mike Scheafer
Costa Mesa Sanitary District

Staff and Administration

Heather Baez
Municipal Water District of Orange County

Sylvia Prado
East Orange County Water District

I. Welcome

II. Approval of Minutes

- Consider approval of the minutes for the September 5, 2017 meeting

III. Public Comments

IV. Old Business

- Ad-Hoc LAFCO Dues Schedule Study
 - President Fisler will announce LAFCo Dues Subcommittee appointments and set date of first meeting

V. New Business

- ISDOC Member Agency Dues
 - Discuss and consider taking action on revised dues schedule
- 2018 Meeting Calendar
 - Discuss and consider taking action to approve the 2018 Meeting Calendar

VI. Treasurer's Report – Joan Finnegan

- Receive, discuss and file September 30, 2017 Treasurer's Report.

VII. CSDA Report – Bill Nelson/Arlene Schafer

- Receive, discuss and file the CSDA report.

VIII. LAFCO Report – John Withers

- Receive, discuss and file the LAFCO report.

IX. ACWA Report – Sandra Jacobs

- Receive, discuss and file the ACWA report.

X. OCCOG Report – Phil Anthony

- Receive, discuss and file OCCOG report.

XI. Subcommittee Reports

- **Program (Sandra Jacobs)**
 - Discuss programs and speakers for January 25, 2018 quarterly membership meeting
- **Membership (Mark Monin)**
- c. **Legislative (Mary Aileen Matheis)**
 - Discuss and consider taking action on proposed legislation of interest to Special Districts.

XII. President and Committee Member Announcements and Comments

XIII. Adjourn

Next Executive Committee Meeting: Tuesday, November 7, 2017
Next ISDOC Quarterly Meeting: October 26, 2017



ISDOC Executive Committee
September 5, 2017

Minutes

I. Welcome

President Jim Fisler called the meeting to order at 7:32 a.m.

Committee Members Present:

Jim Fisler, President (Mesa WD/LAFCO)
Saundra Jacobs, First Vice-President (SMWD)
Mark Monin, Second Vice-President (ETWD)
Doug Davert, Secretary (EOCWD)
Joan Finnegan, Treasurer (MWDOC)
Mike Scheafer, Immediate Past President (CMSD)

Committee Members Absent: Mary Aileen Matheis, Third Vice President (IRWD)

Others Present:

Arlene Schafer (CMSDCSDA)
Bill Nelson (OCCD/CSDA)
Phil Anthony (OCWD)
Heather Baez (MWDOC)
John Withers (IRWD/LAFCO)
Alicia Duncan (OCWD)
Noelani Middenway (CMSD)
Lisa Ohlund (EOCWD)

II. Minutes

- The minutes from the August 1, 2017 meeting were reviewed. Upon a motion by Director Finnegan and second by Director Jacobs, the minutes were unanimously approved.

III. Public Comments:

None

IV. Old Business:

LAFCO Dues - President Fisler asked if everyone had received the letter sent out regarding the OCLAFCO Ad-Hoc Committee. He indicated that he had received some verbal requests to be on the committee, but will make a formal announcement after the deadline stated on the letter.

V. New Business:

ISDOC Member Agency Dues – President Fisler noted that now that the By-Laws had been revised to comply with applicable laws, the next step is to file for non-profit status. Discussion was held regarding the proposal to reduce dues below the \$5,000 gross income threshold that triggers annual IRS tax filings. There was a split opinion regarding various methods of reducing income, including reducing dues. The item will be placed on the agenda for the October meeting for further discussion.

VI. Treasurer's Report – Joan Finnegan

Balance as of 8/31/17 is \$8,963.03. All bills are paid current, but ISDOC is still awaiting a \$500 invoice from OCCOG.

VII. California Special Districts Association (CSDA) Report – Arlene Schafer:

Little Hoover Commission: At their August 24, 2017 meeting, the Little Hoover Commission adopted the 20 recommendations that were contained in the report "Special Districts: Improving Oversight and Transparency." The report focuses on three primary areas of concern to special districts: Oversight by LAFCOs, transparency and public engagement and, climate change adaptation/preparation.

Tour of OCWD, Vector and Cemetery Districts: The October 12, 2017 tour will start at 8:30 a.m. with breakfast; transportation is provided to all venues.

Fixed Terms for LAFCo Commissioners – Discussion ensued regarding this issue, with notation being made that by statute, all LAFCo Commissioners serve a four-year term, with no limit on the number of terms that can be served. Ms. Schafer will report back to the Committee regarding the specifics surrounding this issue.

VIII. Local Agency Formation Commission (LAFCO) Report – John Withers

The LAFCo Meeting for September was cancelled; the next meeting is October 13th. The meeting will be held in the Planning Commission room in the County Hall of Administration at 8:00 a.m.

Little Hoover Commission: There will be a report from LAFCo staff regarding potentially eight recommendations that may be relevant to OCLAFCo.

Consolidation Briefings: The October meeting will continue a series of special briefings regarding consolidations. The City of Orange provided a history of their annexation of several islands. At the next meeting, Huntington Beach will discuss their annexation of Sunset Beach and IRWD will discuss their annexation of the Los Alisos Water District..

City of San Juan Capistrano: LAFCo staff assisted the City with preparing a second RFP to examine the operations and financial aspects of transferring their water and sewer enterprise

to another agency; the RFP was issued in August; LAFCo staff will be assisting the City as a resource to help move the process along.

Municipal Service Reviews: A fourth round of MSRs will be initiated in September with regional meetings between LAFCo staff and stakeholders to discuss what will be examined and how to work collaboratively. Management Partners has been retained to assist LAFCo staff with the preparation of the various MSRs. This will be a four-year process from 2018-2022.

- IX. **Association of California Water Agencies (ACWA) - Saundra Jacobs:**
AB1000/Cadiz Water: ISDOC and ACWA members were thanked for submitting letters of opposition to this bill; it is currently stalled, but could move forward – agencies were encouraged to continue opposition.

Tour of Prado Dam: There will be an ACWA Regions 9&10 Tour of the Prado Dam on October 6, 2017.

ACWA Board of Directors Meeting: This meeting will be held in Sacramento on September 29th; it is open to all members via personal attendance or conference call-in.

Region 10 Officers – A recommended slate of officers will be announced on October 5, 2017.

Water Tax: The Water Tax bill was re-referred to the Rules Committee on September 1, 2017.

Long-Term Water Use Efficiency Legislation – Two identical bills (SB606 and AB1668) are being considered by the legislature that among other things, create indoor and outdoor water use standards and require enforcement, by the retail agency, if not met.

- X. **OCCOG Report-Phil Anthony**
The new dues schedule was handed out; the schedule shows ISDOC's lowered dues rate.

- XI. **Subcommittee Reports**
- **Program – Saundra Jacobs**
Deann Thompson from John Wayne Airport will be the speaker for the October (Quarterly) ISDOC Meeting; she will speak regarding the emergency response related to the recent small airplane crash onto the 405 Freeway.

- **Membership – Mark Monin:**
Discussion was held regarding the potential to pro-rate membership for new Associate Members.

- **Legislative – Mary Aileen Matheis:**
This item was covered in other reports

- XII. President and Committee Member Announcements and Comments:
President Fisler announced that Mesa Water had received many applicants for their open Board seat and were interviewing seven of them.
- XIII. The meeting was adjourned at 8:38 a.m.; the next Executive Committee Meeting will be held on Tuesday, October 3, 2017 at 7:30 a.m.



AGENDA

Friday, October 13, 2017

7:30 a.m. - 9:00 a.m.

Doors open at 7:00 a.m.

OCWD/MWDOC JOINT BOARD ROOM
18700 Ward Street, Fountain Valley

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. Jose Vergara
El Toro Water District

Vice Chair

Hon. Jim Atkinson
Mesa Water District

Staff Contacts

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County

Pledge of Allegiance

Announcements & Introductions

- Jose Vergara, El Toro Water District

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

The State Water Project

- Kevin Donhoff, Resource Implementation Section Manager, Metropolitan Water District of Southern California

Adjourn

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/orangecountywater

Next WACO Meeting

Friday, November 3, 7:30 a.m. @ OCWD/MWDOC Joint Boardroom

Next WACO Planning Committee Meeting

Tuesday, October 17, 7:30 a.m. @ MWDOC 101

To view previous presentations, please visit
<https://www.youtube.com/orangecountywater>



WACO Planning Committee
Tuesday, October 17, 2017
7:30 A.M.

AGENDA

Feedback of October 13 program

- 1) Kevin Donhoff – State Water Project

Items to report

- 1) November 3 – Direct Potable Reuse
 - Kevin Hardy, Executive Director, NWRI (confirmed)
 - Call for nominees – 2018 WACO chair and vice chair

Discussion Items

- 1) Decide December 8 meeting topic and speaker(s)
 - 2018 WACO elections
- 2) Decide January 5 meeting topic and speaker(s)

Meeting topics previously suggested:

- Cybersecurity w/UCI's Bryan Cunningham (Mike Markus)
- UCI Water (Fred O'Callaghan)
- JPL: Snowpack update, atmospheric rivers, WWAO, UASAR data, satellite radar for SoCal (Fred O'Callaghan)
- Executive director of San Juan Basin Authority (Don Froelich/Peer Swan)
- Garry Brown (Stephanie Pacheco)
- Ethics in politics – who is watching elected officials? (Larry Dick)
- Water loss and unaccounted water (Larry Dick)
- Outsourcing agency billing to save money (Peer Swan)
- Urban runoff (Peer Swan)
- OC groundwater cleanup through the sewer / no EPA (Peer Swan)

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

Chair

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El Toro Water District

Vice Chair

Hon. Jim Atkinson
Mesa Water District

Staff Contacts:

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County



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on Facebook, Twitter and YouTube!

DATES TO REMEMBER
OCTOBER/NOVEMBER 2017

1. Oct 26 – 11:30 a.m. – ISDOC Quarterly Meeting
2. Oct 27 – DISTRICT OFFICE CLOSED
3. Oct 27 – 8:00 a.m. – TV-6 (Monin)
4. Oct 31 – 7:30 a.m. – RRC Meeting
5. Nov 1 – 8:30 a.m. – MWDOC/MET Directors Workshop
6. Nov 2 – 8:30 a.m. – SOCWA Board Meeting
7. Nov 2 – 2:30 p.m. – South Orange County Watershed Meeting
8. Nov 2 – 6:00 p.m. – MWDOC Elected Officials Meeting
9. Nov 3 – 7:30 a.m. – WACO Meeting
10. Nov 3 – 11:30 a.m. – Chair/GM Meeting
11. Nov 5 – DAYLIGHT SAVINGS TIME ENDS (Fall Back 1 Hour)
12. Nov 6 – 8:30 a.m. - MWDOC Planning/Operations Meeting
13. Nov 7 – 7:30 a.m. – ISDOC Executive Committee Meeting
14. Nov 7 – 12:00 noon – Joint South Orange County Agencies (MNWD)
15. Nov 8 – 8:00 a.m. – LAFCO Meeting
16. Nov 8 – 8:30 a.m. – MWDOC Admin/Finance Committee Meeting
17. Nov 9 – 8:30 a.m. – SOCWA Engineering Committee Meeting
18. Nov 9 – 11:30 a.m. – CAG Meeting
19. Nov 10 – DISTRICT OFFICE CLOSED
20. Nov 14 – 7:30 a.m. – WACO Planning Committee Meeting
21. Nov 15 – 8:30 a.m. – MWDOC Board Meeting
22. Nov 15 – 2:00 p.m. – Laguna Woods City Council Meeting (Honoring Lee's 100th Birthday)
23. Nov 17 – 11:30 a.m. – Chair/GM Meeting
24. Nov 20 – 8:30 a.m. – MWDOC Public Affairs Committee Meeting
25. Nov 21 – 7:30 a.m. – Agenda Review
26. Nov 23 – THANKSGIVING HOLIDAY

27. Nov 24 – 8:00 a.m. – TV-6 (Vergara)
28. Nov 24 – DISTRICT OFFICE CLOSED
29. Nov 27 – Dec 1 – ACWA Fall Conference (Anaheim)
30. Nov 27 – 7:30 a.m. – Engineering/FIC Meeting
31. Nov 28 – 7:30 a.m. – Regular Board Meeting
32. Nov 28 – 10:30 a.m. – SOCWA Finance Committee Meeting
33. Nov 30 – 11:30 a.m. – SCAP Holiday Luncheon (El Niguel Country Club)

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.