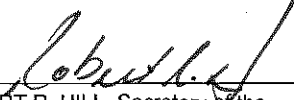


I hereby certify that the following agenda was posted at least 72 hours prior to the time of the meeting so noticed below at 24251 Los Alisos Boulevard, Lake Forest, California.


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

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

July 25, 2017
7:30 a.m.

CALL MEETING TO ORDER – President Goldman

PLEDGE OF ALLEGIANCE – Vice President Kahn

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.)

PRESENTATION OF AWARDS, RECOGNITIONS AND INTRODUCTIONS

a. Service Awards

No acknowledgement this month.

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.

CONSENT CALENDAR

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

1. Approval of Minutes (Minutes Included)

Approve minutes of the June 27, 2017 Board of Directors meeting.

2. Attendance at Conferences and Meetings

- a. Consider authorizing Directors Goldman, Kahn, Monin, Vergara, and Adjarian to attend the Urban Water Institute's Annual Water Conference on August 16-18, 2017 in San Diego, CA.
- b. Consider authorizing Directors Goldman, Kahn, Monin, Vergara, and Adjarian to attend the CASA Fall Conference on August 22-24, 2017 in San Diego, CA.
- c. Consider authorizing Directors Directors Goldman, Kahn, Monin, Vergara, and Adjarian to attend the Watereuse Conference on September 10-13, 2017 in Phoenix, AZ.
- d. Consider authorizing Directors Goldman, Kahn, Monin, Vergara, and Adjarian to attend the CSDA Annual Conference on September 25-28, 2017 in Monterey, CA.
- e. Consider authorizing Directors Goldman, Kahn, Monin, Vergara, and Adjarian to attend the ACWA Fall Conference on November 28 - December 1, 2017 in Anaheim, CA.

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 July 24, 2017 Engineering/FIC Committee Meeting)

- a. Consider approving the minutes for the June 26, 2017 Engineering and Finance/Insurance meeting
- b. Consider authorizing the District's General Manager to enter into a contract with MWH Constructors in the amount of \$435,991 for Construction Management Services for the Phase II Recycled Water Distribution System Expansion Project

- c. Consider authorizing the District's General Manager to enter into a contract with S.S. Mechanical Construction Corp. in the amount of \$68,800 for the 2nd Street Pump Station Demolition Project
- d. Consider approving, ratify and confirm payment of those bills set forth in the schedule of bills for consideration dated July 24, 2017 and receive and file financial statements through June 30, 2017
- e. Consider approving renewing the District's membership in SCAP for calendar year 2017 in the amount of \$3,372

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

- f. Receive and File the Quarterly Insurance Update Report
- g. El Toro Water District Capital Project Status Report
- h. Engineering Items Discussed at Various Conferences and Meetings
- i. Receive and File Prudential's proposal to terminate its current Record Keeping engagement with the District unless the Plan is converted from District Directed Investments to Participant Directed Investments whereby Prudential would replace HighMark Capital
- j. Receive and File 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.

CAMP PRESENTATION

- 3. **California Asset Management Program (CAMP)** (Reference Material Included)

A CAMP Representative will update the Board on the District's investment holdings and philosophy based on the economic outlook. CAMP assists the District with short-term investment alternatives.

DIRECTOR/COMMITTEE REPORTING

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

GENERAL MANAGER ACTION ITEMS

5. **California Special Districts Association (CSDA) Board of Directors – Southern Network – Seat C** (Reference Material Included)

Staff will review and comment on the candidates running for the CSDA Board of Directors – Southern Network, Seat C.

Recommended Action: Staff recommends that the Board of Directors consider supporting a candidate to the CSDA Southern Network, Seat C board position, and to authorize the General Manager to complete the ballot and mail to CSDA by the August 4, 2017 deadline.

6. **General Counsel Service Memorandum** (Reference Material Included)

The former partnership of Redwine and Sherrill has ceased and the attorneys have reorganized into a new firm, Redwine and Sherrill, LLP. Staff will review and comment on a memorandum specifying the terms and conditions under which, Gilbert J. Granito, serves as General Counsel to the District in conjunction with Redwine and Sherrill, LLP.

Recommended Action: Staff recommends that the Board approve the memorandum specifying the terms and conditions under which, Gilbert J. Granito, serves as General Counsel to the District in conjunction with Redwine and Sherrill, LLP.

GENERAL MANAGER INFORMATION ITEMS

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

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

8. **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.

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

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

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

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

- a. SOCWA Board Meeting – July 6, 2017
- b. SOCWA Engineering Committee Meeting – July 13, 2017

12. **Municipal Water District Of Orange County (MWDOC) Report**
(Reference Material Included)
- a. MWDOC Planning & Operations Committee – July 3, 2017 - Canceled
 - b. MWDOC/MET Directors Workshop – July 5, 2017
 - c. MWDOC Administration & Finance Committee – July 12, 2017
 - d. MWDOC Public Affairs & Legislation Committee – July 17, 2017
 - e. MWDOC Board of Directors Meeting – July 19, 2017
 - f. MWDOC Managers Meeting – July 20, 2017
13. **Local Agency Formation Commission (LAFCO) Report**
- a. Report on the July 12, 2017 LAFCO Meeting
14. **South Orange County Watershed Management Area (SOCWMA) Management and/or Executive Committee Report**
- a. Report on the July 17 Management Committee meeting – conference call
15. **ISDOC Meetings** (Reference Material Included)
- a. Report on the June 29, 2017 ISDOC Quarterly Luncheon
 - b. Report on the July 11, 2017 ISDOC Executive Committee meeting
16. **WACO Meetings** (Reference Material Included)
- a. Report on the July 7, 2017 WACO Meeting
 - b. Report on the July 18, 2017 WACO Planning Committee Meeting
17. **City Coordination Efforts**
- There were no meetings.

COMMITTEE AND GENERAL INFORMATION

18. **Dates to Remember for July/August 2017** (Reference Material Included)

19. 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.

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, August 22, 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
June 27, 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 June 27, 2017 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

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

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

DENNIS P. CAFFERTY, Assistant General Manager/District Engineer, was absent.

Also present were ROBERT R. HILL, General Manager/Secretary, 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 (arrived at 8:38 a.m.), JAKE KNOKE, Employee, STEVE SANCHEZ, Employee, GREG KUNATH, Customer, 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 yes, staff received a letter from SOCWA requesting signatures from its member agencies objecting to Legislatures request of an audit of SOCWA.

Mr. Hill stated that the Board needs to make a Motion to determine the need to discuss and take action on this item at today's Board meeting.

President Goldman asked for a Motion.

Motion: Director Vergara made a Motion, seconded by Director Monin, and unanimously carried across the Board to determine that there is a need to add this item to today's agenda prior to the Consent Calendar, to discuss this letter, and take action to support SOCWA's letter of opposition to the Legislature's audit of SOCWA.

Roll Call Vote:

President Goldman	aye
Vice President Kahn	aye
Director Vergara	aye
Director Monin	aye
Director Adjarian	aye

Presentation of Awards, Recognitions, and Introductions

There were no presentations.

Continuing Education & Training, Degree and Certification Program

Acknowledgement

1. Mr. Hill recognized and congratulated on behalf of the Board, Steve Sanchez for obtaining his Wastewater Treatment Plant Operator Grade 3 from the State of California State Water Resources Control Board.
2. Mr. Hill recognized and congratulated on behalf of the Board, Jake Knoke for obtaining his Water Distribution Operator Grade D2 from the State of California Water Resources Control Board.

At approximately 7:37 o'clock a.m. Mr. Sanchez, Mr. Knoke, and Ms. Cimorell left the meeting.

Increases to Certain Water, Sewer and Recycled Water Service Rates and Charges

Mr. Hill stated that included in today's package are the proposed amendments to Schedules 1-W, 1-S, and 3-S of the District's Rules and Regulations as it relates to proposed increases to certain water, sewer and recycled water service rates and charges.

Mr. Hill stated that a Cost of Service Study was prepared independently and presented to the Board along with the 2017/18 budget which the Board approved.

Mr. Hill stated that the Resolution No. 17-6-1 approves amendments to the District's Rules and Regulations which includes Schedules 1-W General Metered Potable Water Service, 1-S Fixed Residential O&M sewer charges , and 3-S Recycled Water Sales and Service.

President Goldman stated that this is the time and place set for the Public Hearing on proposed increases to certain water, sewer and recycled water service rates and charges, which is being held in accordance with the procedural provisions of Prop 218. He then asked Mr. Hill if the Notice of this Hearing has been given.

Mr. Hill replied yes, Notice of this hearing and the proposed increase to certain water, sewer and recycled water service rates and charges were provided by direct mail to all property (parcel) owners within the District's service area and by legal publication in the Orange County Register on June 12 and June 19, 2017.

Mr. Hill stated that customer Notices were prepared in strict compliance with Prop 218 requirements (45 day Notice, explanation of proposed rate increases, purpose, amount, Public Hearing date, time, location and property (parcel) owner procedure for registering a formal protest to the proposed actions).

President Goldman asked for a purpose of this hearing and details related to proposed amendments to the District's Rules and Regulations.

Mr. Granito reported that this Public Hearing is being held pursuant to the procedural requirements of Prop 218. Mr. Granito further reported that the

purpose of which is to determine whether there are sufficient written protests so as to preclude the adoption of the proposed increase to certain water, sewer and recycled water service rates and charges. If there are no written protests or insufficient written protests by the close of the Public Hearing, then the Board may approve the increase to certain water, sewer and recycled water service rates and charges, by the adoption of Resolution No. 17-6-1.

Open Public Hearing

President Goldman declared the Public Hearing open at 7:41 o'clock a.m.

Public Comment

President Goldman asked if there is anyone wishing to speak, and if so please identify yourself and limit your comments to 3 minutes.

Mr. Kunath identified himself and stated that he is a Laguna Woods condo owner, and he is attending the meeting today to oppose the increases because he doesn't believe sufficient financial information was provided to substantiate an increase. He further stated that he opposes the increases because he doesn't know what percent the increase is, and many residents in LWV are on fixed incomes.

Mr. Kunath stated that there is a potential health hazard in ETWD's recycled water reservoir on Moulton Parkway that has been there for many years. He further stated that he spoke to the Assistant General Manager seven months ago, and proposed to him three possible solutions; #1 aerate the water, #2 cover the water, and #3 relocate the storage tank.

Mr. Kanuth feels that the stench is unbearable on the golf course, and he cannot bring guests. He further stated that since meeting with the Assistant General Manager, nothing has been done to rectify the problem, and he is giving the District until Labor Day to correct the problem or he will inform the OC Register of a looming health hazard.

President Goldman stated that the Assistant General Manager is not present at today's meeting. Mr. Hill stated that staff has met with Vector Control and walked the site, and was of the opinion that there is not a health issue at the storage area. He further stated that staff will continue to monitor the area and also treats for mosquitos.

President Goldman asked if there is anyone else wishing to speak, or present a formal protest letter. Mr. Kunath presented a formal protest letter to the General Manager.

President Goldman asked Mr. Hill if the written protests have been tabulated. Mr. Hill replied yes, the District received 11 written protest letters.

Close Public Hearing

President Goldman declared the Public Hearing closed at approximately 7:46 o'clock a.m. and Regular Session resumed.

Regular Session

Resolution No. 17-6-1 Adopting Amendments to the District's Rules and Regulations

Mr. Hill stated that Resolution No. 17-6-1 includes the final clean copies of Schedules 1-W, 1-S, and 3-S.

President Goldman asked for a Motion.

Motion: Director Adjarian made a Motion, seconded by Vice President Kahn, and unanimously carried across the Board to adopt Resolution No. 17-6-1 which Resolution 1) provides for an increase to certain water, sewer and recycled water service rates and charges effective July 1, 2017, and 2) makes findings and determination that the action taken in this Resolution is exempt from the requirements of the California Environmental Water Quality Act (CEQA).

Roll Call Vote:

Director Adjarian	aye
Director Monin	aye
President Goldman	aye
Vice President Kahn	aye
Director Vergara	aye

Consent Calendar

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

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

Roll Call Vote

Director Monin	aye
Director Adjarian	aye
President Goldman	aye
Vice President Kahn	aye
Director Vergara	aye

Approval of Items Removed from Today's Consent Calendar

There were no comments.

Director/Committee Reporting

Director Reports for Meetings Attended

Director Adjarian stated that he attended the SOCWA Board meeting, the WACO meeting, and the MWDOC/MET Directors workshop where they discussed the LRP program. He further stated that he also attended two SOCWA Finance Committee meetings, a Conservation event with the Boy Scouts at Saddleback Church, LAFCO, the OC Water Summit, an Audit Review meeting, Strategic Planning meeting, the South County Economics meeting where Supervisor Bartlett spoke, and the ISDOC Quarterly luncheon.

Director Monin stated that he attended the Strategic Planning meeting, WACO, ISDOC Executive Committee meeting where they voted in Doug Davert. He further attended the MWDOC Admin/Finance meeting where they reviewed policies, and he plans to attend the ISDOC Quarterly luncheon. He also attended the Laguna Woods City Council meeting, and the South County Economic Coalition meeting, the MWDOC/MET Directors workshop.

Vice President Kahn stated that he attended WACO, MWDOC Planning/Operations meeting, MWDOC/MET Directors workshop, MWDOC Board meeting, and the Strategic Planning meeting.

Director Vergara stated that he attended Strategic Planning, WACO, WACO Planning Committee meeting, MWDOC Planning/Operations meeting, Watereuse meeting, the South County Economic Coalition meeting, and he will be attending TV-6.

President Goldman stated that he attended Strategic Planning, a

CASA Board meeting, Watereuse meeting, and the OC Water Summit.

Added Item to today's Agenda – SOCWA Memo Requesting Signatures of Member Agencies Opposing a Legislative Audit of SOCWA

Mr. Hill stated that each of the Directors were given a copy of the SOCWA letter.

President Goldman asked which agencies have agreed to sign the letter. Mr. Hill replied Emerald Bay and the City of Laguna Beach have already signed the letter, and he assumes that South Coast will also sign. He further stated that he has communicated with IRWD who plan to sign the letter, he also communicated with Dan Ferons who is the Chair of SOCWA, and he is recommending that all 9 agencies sign the letter.

Mr. Hill stated that he has not yet spoken with Hector of TCWD or Dave from San Clemente.

Vice President Kahn asked what they are hoping to find from the audit? Mr. Hill replied that specifically they want to review compliance with general accounting principles and the organizations financial policies, SOCWA member agencies cash on hand reconciliation, assess SOCWA'S process for auditor selection, and best practices for auditor rotation. He further stated that they also reference the equity of one agency/one vote.

President Goldman stated that he does not approve the language in the last paragraph, "contractually required" or "disgruntled member agency". He further asked Mr. Hill to see if the letter can be modified.

President Goldman asked for a Motion.

Motion: President Goldman made a Motion to sign the letter as is unless we can get the words “contractually required” removed. Director Adjarian seconded this Motion, and the Motion carried 4-1.

Roll Call Vote:

Director Adjarian	aye
Director Monin	no
President Goldman	aye
Vice President Kahn	aye
Director Vergara	aye

At approximately 8:28 o'clock a.m. Mr. Kunath left the meeting.

General Manager Action Items

Approval of Amended and Restated ISDOC Bylaws

President Goldman asked for a Motion.

Motion: Director Monin made a Motion, seconded by Director Adjarian and unanimously carried across the Board to approve the amended and restated ISDOC Bylaws as proposed by the ISDOC Executive Committee and authorize the Board President to complete and submit the Ballot on or before 5:00 pm Tuesday, June 27, 2017.

Roll Call Vote:

Director Monin	aye
Director Adjarian	aye
Director Vergara	aye
Vice President Kahn	aye
President Goldman	aye

Resolution No. 17-6-2 Adopting the Update to the District's Local CEQA

Guidelines

Mr. Hill stated that staff contracted with BB&K for changes to the 2017 guidelines.

President Goldman asked for a Motion.

Motion: Vice President Kahn made a Motion, seconded by Director Adjarian and unanimously carried across the Board to approve Resolution No. 17-6-2 adopting the update to the District's Local CEQA Guidelines.

Roll Call Vote:

Director Vergara	aye
Vice President Kahn	aye
President Goldman	aye
Director Monin	aye
Director Adjarian	aye

General Manager Information Items

General Manager's Monthly Report

Mr. Hill stated that the reclaimed and potable water sales are close to budget for the fiscal year.

State Drought Regulations – Monthly Report

Mr. Hill stated that cumulative reduction compared to 2013 is 27%.

Legislative Reports

There were no comments.

Public Education and Outreach/Water Conservation Reports

Ms. Seitz stated that staff is working on the Phase II Recycled Water Expansion project, and outreach studies with key stakeholders. She further stated that general notices and construction alerts will be going out.

Ms. Seitz stated that staff continues to work on signage for the Demo Garden, and a dedication will be done after the signage is complete.

Ms. Seitz stated that a South County Watershed Wise Professional Landscaper Workshop is scheduled for August 16-17 at the Norman P. Murry Center in Mission Viejo. The 2-day workshop will be hosted by 9 south county water agencies and presented by the Green Gardeners Group and will focus on water quality and supply.

Ms. Seitz stated that the new LDAP program provides access to landscape conversion design ideas and resources for residents to remove turf in their front yard.

Ms. Seitz stated that staff had a booth at the Cub Scout/Boy Scouts Saddleback District roundtable event on June 8th, where approximately 100-200 troop leaders attended and inquired about Water Recycling Plant tours. She further stated that Director Adjarian attended.

At approximately 8:45 o'clock a.m. Ms. Seitz left the meeting.

SOCWA Reports

Director Adjarian stated that at the SOCWA Board meeting they discussed a change order for PC-17 which was approved. He further stated that ETWD's request for withdrawal from PC-12 was approved.

Director Adjarian stated that there was a Special Board meeting, and two Finance Committee meetings where they discussed the budget and legislative request for an audit. He further stated that there was discussion about hiring

staff, and the general fund. Director Adjarian stated that the SOCWA budget was approved 9-1.

MWDOC

Vice President Kahn stated that he attended the MWDOC/MET workshop where they are discussing the value of turf removal. He further stated that they had a poster contest.

LAFCO

Director Adjarian stated that the 2017/18 budget and fee schedule were discussed, and ETWD's share is approximately \$28,000, or 5% which is included in our budget. He further stated that they discussed the comprehensive quarterly report, and the MSR process.

Mr. Hill stated that Carolyn Emery will be at our September Board meeting to discuss the MSR process.

SOCWMA

There were no comments.

ISDOC Meetings

There were no comments.

WACO Meetings

Director Vergara stated that Tim Quinn of ACWA will be speaking this Friday to provide an update on legislation.

City Coordination Efforts

There were no comments.

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

Director Adjarian stated that the South County Economic Coalition was very well attended, and Supervisor Bartlett provided some information on projects her office is working on.

Attorney Report

Mr. Granito reported that there is a need for a Closed Session at today's meeting to discuss item #3 of today's Closed Session agenda.

Closed Session

At approximately 8:56 o'clock a.m. the Board went into Closed Session. Also at this time, Ms. Freshley, Ms. Shahbakhti, and Ms. Welsch left the meeting.

Open Report

At approximately 9:18 o'clock a.m. Regular Session resumed. Also at this time, Ms. Welsch returned to the meeting.

Mr. Granito reported that the Board did go into Closed Session at approximately 8:56 o'clock a.m. to discuss item #3 of today's Closed Session agenda. Mr. Granito reported that during the Closed Session, Director Adjarian (the District's Alternate to SOCWA) led a discussion containing information

obtained and discussed in the June 1, 2017 Closed Session SOCWA meeting.

No further reportable action was taken.

Adjournment

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

Motion: Director Adjarian moved, seconded by Vice President Kahn and unanimously carried that today's meeting be hereby adjourned at 9:20 o'clock a.m. to Tuesday, July 25, 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 Adjarian	aye
Director Monin	aye
President Goldman	aye
Vice President Kahn	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

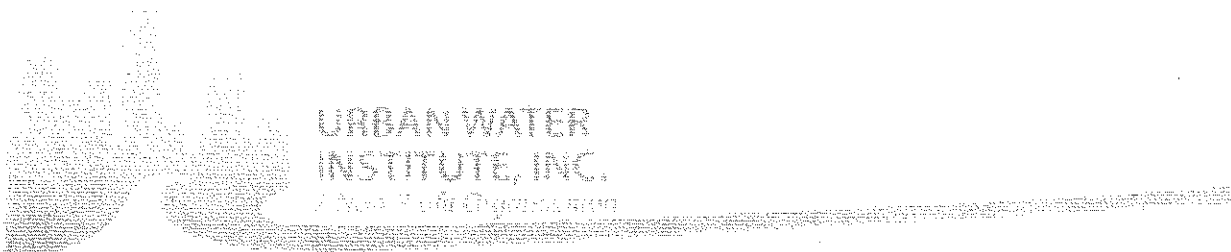
**URBAN WATER INSTITUTE'S
24TH ANNUAL WATER CONFERENCE**

AUGUST 16-18, 2017

SAN DIEGO, CA

Polly Welsch

From: Urban Water Institute <admin@urbanwater.ccsend.com> on behalf of Urban Water Institute <eva@urbanwater.com>
Sent: Tuesday, June 13, 2017 2:42 PM
To: Polly Welsch
Subject: CONFERENCE REMINDER: Please Register for Urban Water Institute's 24th Annual Water Conference!



CONFERENCE REMINDER:

Don't miss out on hearing from water experts from around the country! Please register today at www.urbanwater.com!

Urban Water Institute's 24th Annual Water Conference

*"Risk, Crisis & Uncertainty:
Are We Ready?"*

Please Join Us For Urban Water Institute's 24th
Annual Water Conference On August 16-18, 2017!

Hilton San Diego Resort & Spa
1775 East Mission Bay Drive || San Diego, CA 92109

(619) 276-4010

www.urbanwater.com

Conference Registration:

\$375

UWI Member Registration Fee

*(Must be a current member of the UWI
with current dues paid in full)*

\$475

Non-Member Registration Fee

[Click here to register for
UWI's 24th Annual Water
Conference!](#)

Hotel Information:

The Hilton San Diego Resort & Spa is offering a special conference rate of **\$219**. To make your room reservation call The Hilton San Diego Resort & Spa directly at (619) 276-4010 or [click here](#).

Please note the cut-off date for the group rate is **July 26, 2017**.

Exhibitor Opportunities:

Please join us as an exhibitor for our 24th Annual Water Conference! Your support will allow for the sharing of important information & technology to all conference attendees.

[Click here to become
an exhibitor!](#)

Sponsorship Opportunities:

Please join us as a conference sponsor! Your sponsorship includes your organization's information printed in our program agenda, logo displayed on all conference signs & projected on our presentation screens.

[Click here to become a sponsor!](#)

[Click Here to View the Conference Agenda!](#)

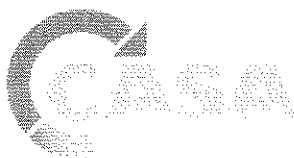
For more information please contact the Urban Water Institute
at (949) 679-9676 or eva@urbanwater.com

Please visit our website at www.urbanwater.com

CASA
62 nd ANNUAL CONFERENCE

AUGUST 22-24, 2017

SAN DIEGO, CA



California Association of Sanitation Agencies

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CASA 62nd Annual Conference

Event Details

[Preliminary Program](#)

[Attendee Registration](#)

Hotel Reservations: \$259.00 +10.5% (State & Local Taxes) + \$0.20 (Commerce Fee) + 2% (San Diego Tourism Fee)

1-877-622-3056 (Let the Group Reservationist know you are with CASA)

Additional parking is available at the Convention Center parking lots near the Hotel.

[CSRMA Registration](#)

[Date/Time](#)

August 22, 2017 - August 24, 2017

All Day

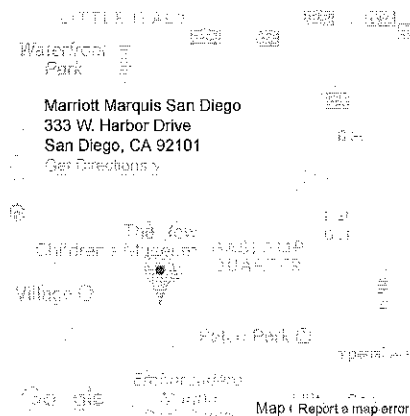
[Location](#)

Marriott Marquis San Diego

333 W. Harbor Drive

San Diego, CA 92101

[Get Directions »](#)



[Related CASA Events](#)

CASA 62nd Annual Conference

AUGUST 22, 2017 - AUGUST 24, 2017

ALL DAY

Preliminary Program Attendee Registration Hotel Reservations: \$259.00 +10.5% (State & Local Taxes) + \$0.20 (Commerce Fee) + 2% (San...



62nd ANNUAL CONFERENCE

August 22-24, 2017

Marriott Marquis - San Diego, CA

Turning Waste into
Energy

Tuesday, August 22, 2017

- 7:00 a.m. - 12:00 p.m. CSRMA Training Seminar & Breakfast
- 9:00 a.m. - 5:00 p.m. Registration
- 10:00 a.m. - 12:00 p.m. CASA Board of Directors Meeting
- 12:00 p.m. - 1:00 p.m. Communications Workgroup Meeting
- 1:00 p.m. - 4:00 p.m. Breakout Session: Track 1 Utility Rates, ADUs and Prop. 218
Carl Nelson, Bold, Polisner, Maddow, Nelson & Judson
Robert Kwong, Arnold LaRoche Mathews VanConas & Zirbel LLC
- 1:00 p.m. - 4:00 p.m. Breakout Session: Track 2 Operational Best Practices
- 1:00 p.m. - 4:00 p.m. Breakout Session: Track 3 Regulatory Hot Topics
- 4:15 p.m. - 5:30 p.m. Federal Legislative Committee Meeting
- 4:15 p.m. - 5:30 p.m. Associates Committee Meeting
- 5:00 p.m. - 6:30 p.m. CSRMA Executive Board Meeting

Wednesday, August 23, 2017

- 7:30 a.m. - 5:00 p.m. Registration
- 7:45 a.m. - 9:00 a.m. Breakfast
- 7:30 a.m. - 9:00 a.m. CSRMA Board of Directors Meeting
- 7:30 a.m. - 9:00 a.m. Utility Leadership Committee Meeting
- 9:00 a.m. - 12:00 p.m. Morning Session
- 9:00 a.m. - 9:30 a.m. Opening Address: Representative Duncan Hunter (invited)
- 9:30 a.m. - 10:00 a.m. Kevin Faulconer, Mayor, San Diego
- 10:00 a.m. - 11:15 a.m. Public Private Partnerships Panel
Hala Titus, CDM Smith, Overview/Moderator
Ben Munoz, Selma Kingsburg Fowler Sanitation District & Ashu Jain, Opterra
Energy, Energy Storage Project
Traci Minamide, City of LA Sanitation, *Digester Gas Utilization Project*

11:15 a.m. - 11:45 a.m.	Presentation of the CASA Awards of Excellence
12:00 p.m. - 1:45 p.m.	Conference Luncheon & Business Session
2:00 p.m. - 4:30 p.m.	Afternoon Session
2:00 p.m. - 2:30 p.m.	Research Update from the Water Environment and Reuse Foundation Melissa Meeker, Executive Director
2:30 p.m. - 4:00 p.m.	Watershed Solutions Panel Pamela Creedon, Executive Officer, Central Valley Regional Water Board, <i>CV SALTS</i> Dave Williams, Bay Area Clean Water Agencies, <i>Bay Area Nutrients</i> Ashli Desai, Larry Walker Associates, <i>Santa Margarita River</i>
4:30 p.m. - 5:30 p.m.	Bay Area Biosolids Coalition Meeting
5:30 p.m. - 6:30 p.m.	Reception

Thursday, August 24, 2017

7:30 a.m. - 11:00 a.m.	Registration
7:30 a.m. - 9:30 a.m.	Breakfast
8:00 a.m. - 9:00 a.m.	State Legislative Committee Meeting
9:15 a.m. - 11:00 p.m.	Closing Session
9:15 a.m. - 10:00 a.m.	State Controller Betty Yee
10:00 a.m. - 10:45 a.m.	Joaquin Esquivel, Member, State Water Board
10:45 a.m. - 11:00 a.m.	Passing of the Gavel, announcement of election results
11:00 a.m. - 3:00 p.m.	Attorneys Committee Meeting

2017 Annual Conference



Register for this event below.

▼ (Guest)

Cancel

Registrant Name*

First Name

MI

Last Name

Nickname

Title

Agency/Firm*

Email

Main Email*

Guest Name

Check Membership Type(s)*

- ☐ Board Director
- ☐ Manager/Staff
- ☐ Associate Member
- ☐ Attorney
- ☐ Guest/Student
- ☐ Agency Member

Registration Type*

- ☐ Full Conference - \$550.00
- ☐ Tuesday Only - \$340.00
- ☐ Wednesday Only - \$450.00
- ☐ Thursday Only - \$200.00
- ☐ Guest/Student Lunch Wednesday - \$50.00
- ☐ Guest/Student (Breakfast & Reception) - \$75.00
- ☐ Non Member - \$1100.00
- ☐ Honorary - \$0.00

Upcoming Events

Tue Aug 22, 2017

62nd Annual Conference

Category: Events

Wed Aug 23, 2017

62nd Annual Conference

Category: Events

Thu Aug 24, 2017

62nd Annual Conference

Category: Events

[View Full Calendar](#)

Our Tweets

Tweets by

@CASA_CleanWater

CASA_CleanWater
@CASA_CleanWater

CASA staff lunch to welcome new summer intern, Brittany Allison!

[Embed](#)[View on Twitter](#)

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California A...
[Like Page](#)California
Association of
Sanitation
Agencies
1 hrBreaking News | Monterey
Regional WPCA has a new
name!

Monterey One W...

Monterey One Water embr...

MONTEREYONEWATER.ORG

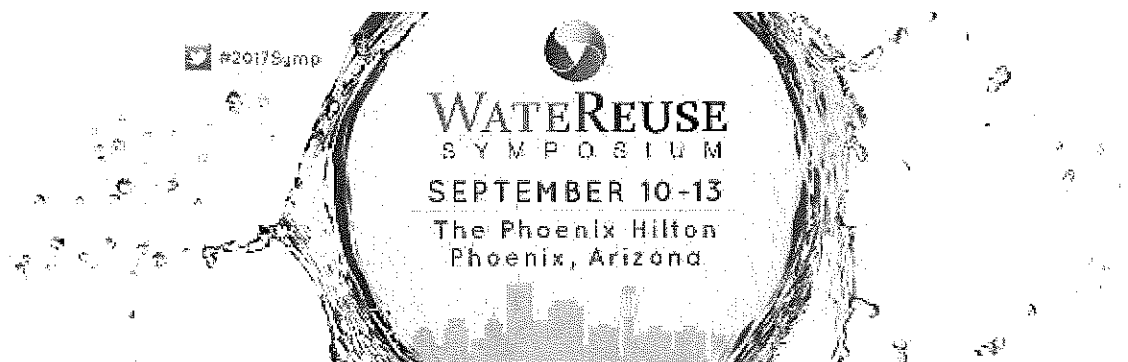
WATEREUSE
32 nd ANNUAL SYMPOSIUM

SEPTEMBER 10-13, 2017

PHOENIX, AZ

Polly Welsch

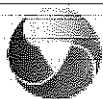
From: WateReuse <info@watereuse.org>
Sent: Monday, May 22, 2017 4:30 PM
To: Polly Welsch
Subject: Don't Miss the 32nd Annual WateReuse Symposium



32nd Annual WateReuse Symposium

Join us September 10-13, 2017 for the 32nd Annual WateReuse Symposium in Phoenix, AZ. The annual event presents what's new and what's next in water reuse policy, operations, technology and public perception. This year's Symposium will feature more than 100 presentations, panel discussions, and workshops—as well as a Reuse Bootcamp.

Networking opportunities include a busy exhibit hall, an awards luncheon, networking dinner, and an optional baseball game. The Reuse Beer Fest will celebrate a statewide brewing challenge and mobile outreach program.



Conference Program

32nd Annual WaterReuse Symposium | September 10-13, 2017

Advance Registration Form



Please select the appropriate registration fees.

Full Conference Registration Rates	On or Before 7/17/17	Between 7/18/17- 9/28/17	Onsite After 9/28/17
<input type="checkbox"/> WaterReuse Member	\$600	\$650	\$700
<input type="checkbox"/> Nonmember	\$700	\$750	\$800
<input type="checkbox"/> Symposium Speaker	\$450	\$500	\$550
<input type="checkbox"/> Full-Time Student	\$150	\$200	\$250
<input type="checkbox"/> Regulatory Agency	\$450	\$500	\$550
<input type="checkbox"/> Nonprofit Staff	\$450	\$500	\$550
One Day Registration Rates			
<input type="checkbox"/> Sunday Only	\$150	\$200	\$250
<input type="checkbox"/> Monday Only	\$300	\$350	\$400
<input type="checkbox"/> Tuesday Only	\$300	\$350	\$400
<input type="checkbox"/> Wednesday Only	\$150	\$200	\$250

ADDITIONAL ACTIVITIES

- ☐ Town of Gilbert Riparian Preserve at Water Ranch & Scottsdale Water's Reclamation and Advanced Water Treatment Plant (Sunday) \$55
- ☐ Monday Night Optional Event – Arizona Diamondbacks vs. Colorado Rockies (ticket includes dinner, drinks and access to the game from a private group suite) (Monday) \$80

GUEST TICKETS

- ☐ Guest at Sunday's Welcome Reception \$25
- ☐ Guest at Monday's Networking Luncheon \$35
- ☐ Guest at Tuesday's Award Luncheon \$35
- ☐ Guest at Tuesday's Networking Dinner \$50
- ☐ Guest at Wednesday's Breakfast
Panel Discussion \$25

E-mail your registration form to
ctharpe@watereuse.org

Mail your registration form to: 1199 N. Fairfax
Street, Suite 900, Alexandria, VA 22314

Full Name

First Name as it should appear on your badge

Job Title

Organization

Street Address

City State/Province Postal/Zip Code

Phone

Fax

Email Address

cc: Email Address

☐ This is my first WaterReuse Symposium

☐ I have the following dietary restrictions _____

PAYMENT

Full payment must accompany your registration form. Your signature below authorizes WRA to charge your credit card the total payment and acknowledges there are no refunds after August 28, 2017.

☐ Check (payable to WaterReuse Association)

☐ VISA ☐ MasterCard ☐ AMEX

☐ Purchase Order # _____

Card Number

Expiration Date

Security Code

Print Cardholder's Name

Total Due

Billing Address

City/State/Zip

Signature

Date

CSDA ANNUAL CONFERENCE

SEPTEMBER 25 – 28, 2017

MONTEREY, CA



2017 CSDA ANNUAL CONFERENCE & EXHIBITOR SHOWCASE

Attendee Registration Form

one form per attendee, please print

Aug. 28-31, 2017
Monterey, California



Three Ways to Register:

1. ONLINE by visiting the CSDA Annual Conference website at conference.cdda.net.
2. FAX your registration form to 916-520-2465. All faxed forms must include payment.
3. MAIL to CSDA, 1112 I Street, Suite 200, Sacramento, CA 95814, please include registration form with payment. Check should be made payable to: California Special Districts Association.

Not sure if you are a member?

Contact the CSDA office at 877-924-2732 to find out if your agency or company is already a member. To learn more about the benefits of membership, contact Member Services Director Cathrine Lemaire at cathrine@cdda.net or call toll-free 877-924-2732.

Full conference registration fee includes:

- President's Reception with the Exhibitors Monday evening
- Keynote Sessions
- Continental Breakfast with the Exhibitors on Tuesday
- Lunch with the Exhibitors on Tuesday
- Mix and Mingle in the Exhibit Hall on Tuesday
- SDRMA Full Plated Breakfast on Wednesday
- Awards Luncheon on Wednesday
- All Breakout Sessions on Tuesday, Wednesday, and Thursday
- SRLF "Taste of the City" Reception on Wednesday
- Closing Breakfast on Thursday

Name:		Title:	
District:			
Address:			
City:	State:	Zip:	
Phone:	Fax:		
Email:	Website:		
Member status: <input type="checkbox"/> Member <input type="checkbox"/> Non-member			
Emergency Contact:		<input type="checkbox"/> Vegetarian <input type="checkbox"/> Any Special Needs:	
Conference Registration Fees		Regular (after Aug. 25, 2017)	SUBTOTAL
<input type="checkbox"/> CSDA Member - Full Conference		\$580.00	\$630.00
<input type="checkbox"/> Non-member - Full Conference		\$670.00	\$845.00
<input type="checkbox"/> Guest - Full Conference (Cannot be from a district/company) <input type="checkbox"/> Vegetarian		\$275.00	\$315.00
<input type="checkbox"/> CSDA Member - One-day registration <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday		\$275.00 each day	\$290.00 each day
<input type="checkbox"/> Non-member - One-day registration <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday		\$415.00 each day	\$435.00 each day
Separate Registration Fees		Member	Non-member
<input type="checkbox"/> Pre-Conference Workshop: SDLA Module 1: Governance Foundations - Sept. 25		\$225.00	\$340.00
<input type="checkbox"/> Pre-Conference Workshop: Building Your District Strong - Sept. 25		\$150.00	\$225.00
<input type="checkbox"/> Pre-Conference Tour: Monterey Regional Airport District - Sept. 25		\$ 50.00 (includes transportation/lunch) (limited to 45 attendees)	
<input type="checkbox"/> Pre-Conference Tour: Elk Horn Slough Safari & Moss Landing Harbor District - Sept. 25		\$ 56.00 (includes trans./two-hour boat tour) (limited to 24 attendees)	
<input type="checkbox"/> SRLF Scramble for Scholarships Golf Tournament - Sept. 25		\$ 115.00 (Includes lunch)	
<input type="checkbox"/> CSDA Awards Luncheon (Guests only) - Sept. 27		\$ 45.00	
<input type="checkbox"/> SRLF "Taste of the City" Reception (Guests only) - Sept. 27		\$ 60.00 CSDA Member Guest	\$ 90.00 Non-member Guest
TOTAL			
Payment type: <input type="checkbox"/> Check <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> AMEX <input type="checkbox"/> Discover			
Account name:		Account Number:	
Expiration date:		Authorized Signature:	

Cancellation/Substitution Policy: Cancellations must be in writing and received by CSDA no later than Friday, September 1, 2017. All cancellations received by this date will be refunded less a \$75 processing fee. There will be no refunds for cancellations made after September 1, 2017. Substitutions are acceptable and must be done in writing no later than September 15, 2017 at 5:00 p.m. Please submit any cancellation notice or substitution request to emily@cdda.net or fax to 916-520-2465.

Consent to Use Photographic Images: Registration and attendance at, or participation in, CSDA meeting and other activities constitutes an agreement by the registrant to CSDA's use and distribution (both now and in the future) of the registrant or attendee's image or voice in photographs, videotapes, electronic reproductions, and audiotapes of such events and activities.

ACWA FALL CONFERENCE

NOVEMBER 28 – DECEMBER 1, 2017

ANAHEIM, CA

Polly Welsch

From: Fred Adjarian
Sent: Tuesday, July 18, 2017 2:30 PM
To: Polly Welsch
Subject: Re: Registration is now open - Register Today!

Hi Polly,

Yes, I will be attending ACWA. Please sign me up for the full conference, including ACWA -JPIA. at your convenience, please sign me up for the ACWA-JPIA luncheon on Monday, plus a request to receive a hard copy of the ACWA -JPIA agenda packet.

Thanks,
Fred

Sent from my iPad

On Jul 18, 2017, at 2:25 PM, Polly Welsch <pwelsch@etwd.com> wrote:

Please let me know if you plan to attend the ACWA Fall Conference and I will register you.
Other than registration, costs should be minimal since it's local.

From: ACWA 2017 Fall Conference & Exhibition [<mailto:events@acwa.com>]
Sent: Monday, July 17, 2017 2:15 PM
To: Polly Welsch <pwelsch@etwd.com>
Subject: Registration is now open - Register Today!

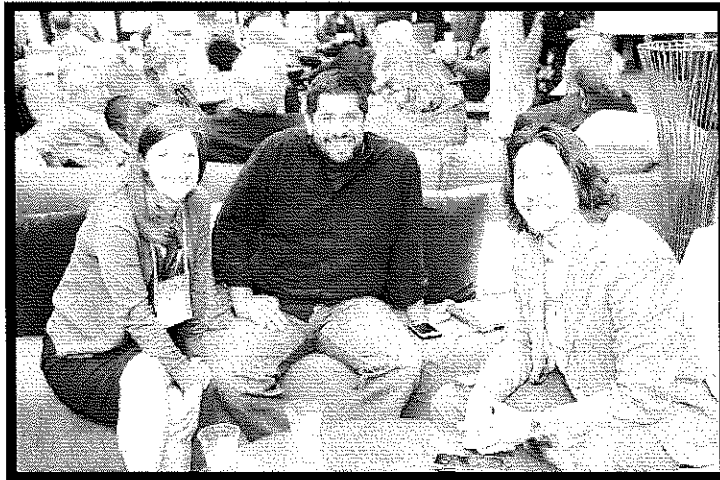
Click [here](#) if you are having trouble viewing this message.

ACWA 2017 FALL
CONFERENCE & EXHIBITION
NOV. 28-DEC. 1, 2017
ANAHEIM, CALIFORNIA



ACWA
www.acwa.com

Join your Peers at ACWA's 2017 Fall Conference & Exhibition



This event is set to take place November 28 - December 1 at the Anaheim Marriott, in Anaheim, California.

Why Attend?

- ? Network with the California water community all in one place.
- ? Hear from top officials and industry experts on increasing regulatory, environmental, and economic challenges.
- ? Join fellow water leaders to show the importance of California water issues.
- ? Learn about new products and services in Exhibit Hall to better manage your water agency.
- ? Continuing education credits offered in the legal, financial, energy, and drinking water areas for professionals seeking contact hours.

Register by 11/1/17 for Best Value!

>> REGISTER TODAY

[ACWA Fall Conference](#) | [ACWA Website](#) | [MY ACWA](#)



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Association of California Water Agencies.

910 K Street, Suite 100, Sacramento, CA 95814

phone: 916.441.4545 | email: events@acwa.com

FOOD AND FUN

2017 Steve Hall Golf Tournament

September 15, 2017

DarkHorse Golf Club, Auburn

>> REGISTER TODAY

2017 Regulatory Summit

October 2017

Sacramento, CA

Registration coming soon!

2017 CLE Workshop

November 28, 2017

Anaheim, CA

>> REGISTER TODAY

DEGRIST

CONFERENCE

WORKSHOP

- ? [Pricing Reference Sheet](#)
- ? [Registration Terms and Conditions](#)
- ? [Sponsorship Information](#)
- ? [Preliminary Agenda](#)





El Toro Water District

Portfolio Update

Period Ending June 30, 2017

Presented By:
Richard Babbe, Senior Managing Consultant

July 25, 2017

PFM Asset Management LLC
www.pfm.com

601 South Figueroa
Suite 4500
Los Angeles, CA
90017
Tel: (213) 489-4075

50 California Street
Suite 2300
San Francisco, CA
94111
Tel: (415) 982-5544



Key Themes

Economic conditions:

- I. Disappointing GDP growth in Q1, but it is expected to pick up in Q2 and the 2nd half of 2017
- II. Labor market continuing to strengthen, but some slack remains
- III. Inflation pressures have moderated
- IV. Shorter-term U.S. Treasury yields moved higher following the Federal Reserve's rate hikes in March and June, but longer-term yields have lagged due to moderating inflation expectations
- V. Interest rates are likely to trend higher if the Fed follows through with rate hikes/balance sheet reductions and economic conditions remain stable or growing
- VI. Geopolitical risks continue to loom in the background (North Korea, Middle East, Russia)

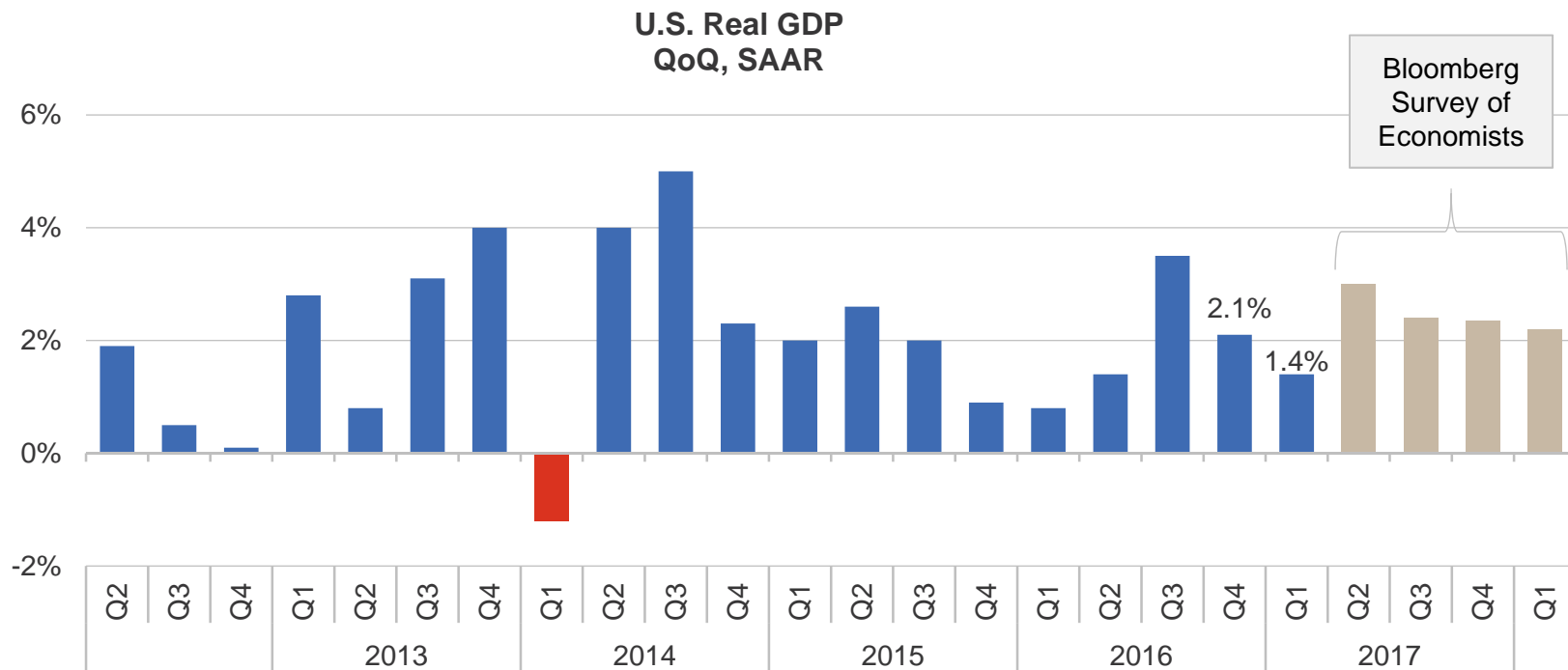
Strategy Considerations:

- I. The portfolio performed well relative to the agreed upon strategy
- II. We have fully implemented the shift to a discretionary management, which enabled us to be more disciplined in our management of the portfolio. The portfolio is well diversified across sectors and issuers.
- III. Given current economic conditions, we believe it is important to maintain investment discipline. Increasing rates provide opportunities to enhance the portfolio's long-term return, but will result in market value depreciation



Economic Growth Slowed in the First Quarter

- Gross domestic product increased at an annualized rate of 1.4% in first quarter of 2017, with growth averaging 2.1% over the last four quarters.
- The weaker GDP growth, largely expected to be transitory, was dragged down by a fall in consumer spending as motor vehicle and retail sales softened in the first three months of the year, while warm weather also induced lower energy consumption.



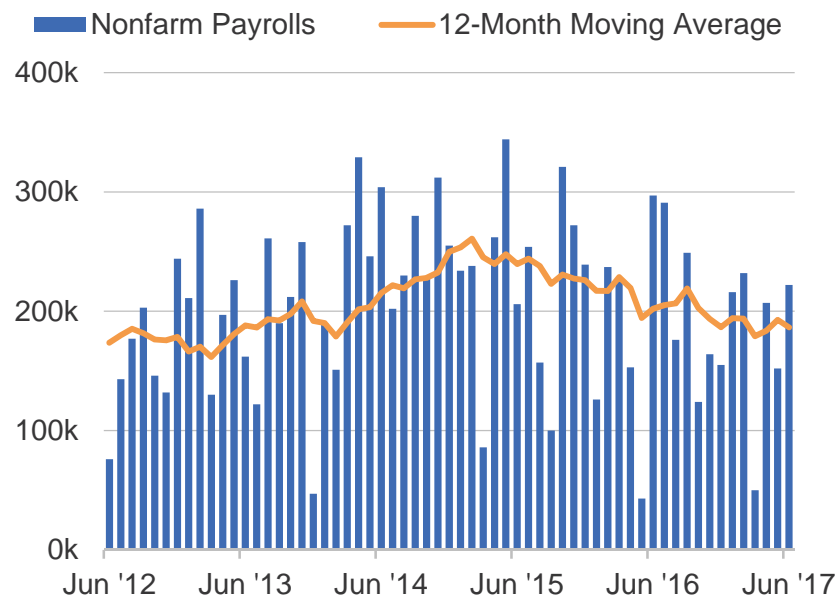
Source: Bloomberg, as of June 2017. SAAR is seasonally adjusted annualized rate. Orange denotes rolling four-quarter averages.



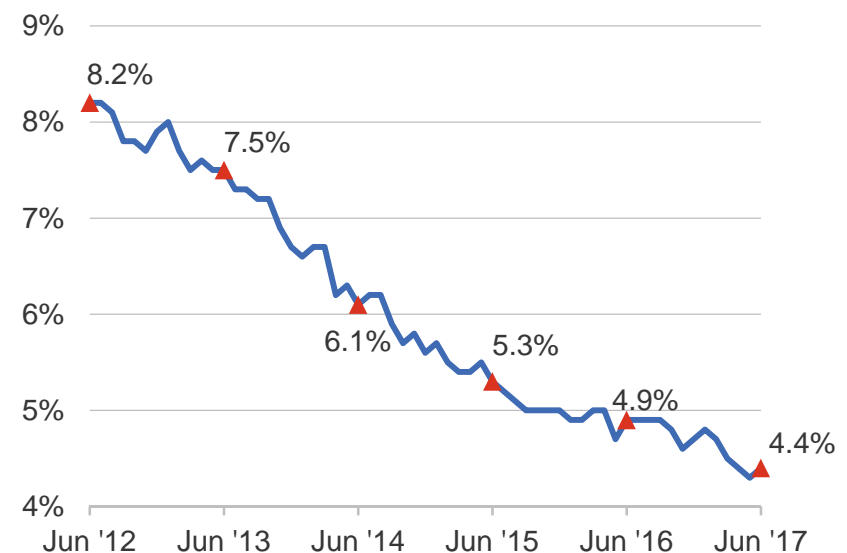
Labor Market Strength Continues

- ◆ The U.S. labor market remains strong, adding 581,000 jobs in the second quarter with an average of 187,000 jobs added per month over the past year.
- ◆ The headline unemployment rate ticked up to 4.4% as labor force participation rate also rose to 62.8%.
- ◆ Average hourly earnings – an important gauge of wage growth – grew 2.5% over the past 12 months.

Monthly Change in Nonfarm Payrolls



Unemployment Rate

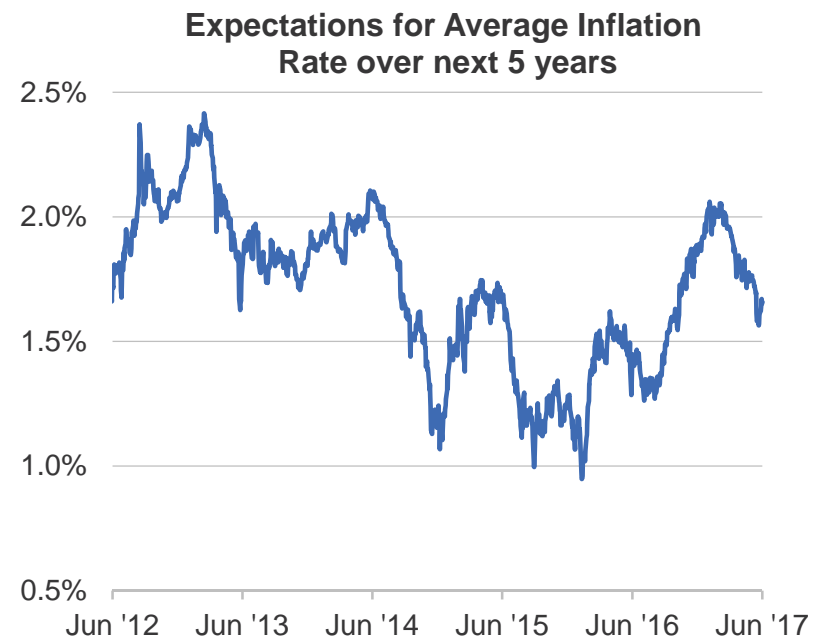
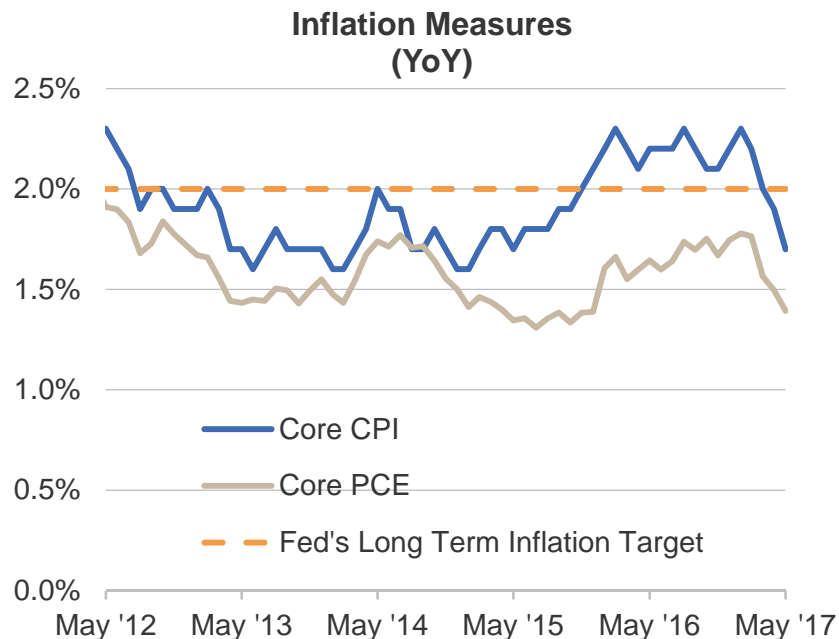


Source: Bloomberg, as of June 2017.



Inflation Continues to Trend Lower

- The core personal consumption expenditures (PCE) price index, slipped to 1.4% year-over-year in May, marking the fourth consecutive month of decline. The prospect for another rate hike in 2017 may be diminished should this trend continue.
- Following the U.S. election, inflation expectations jumped as President Trump's proposed spending policies would likely increase price pressures. The inflation outlook has since softened, reflecting doubts in the new administration's ability to implement its agenda.

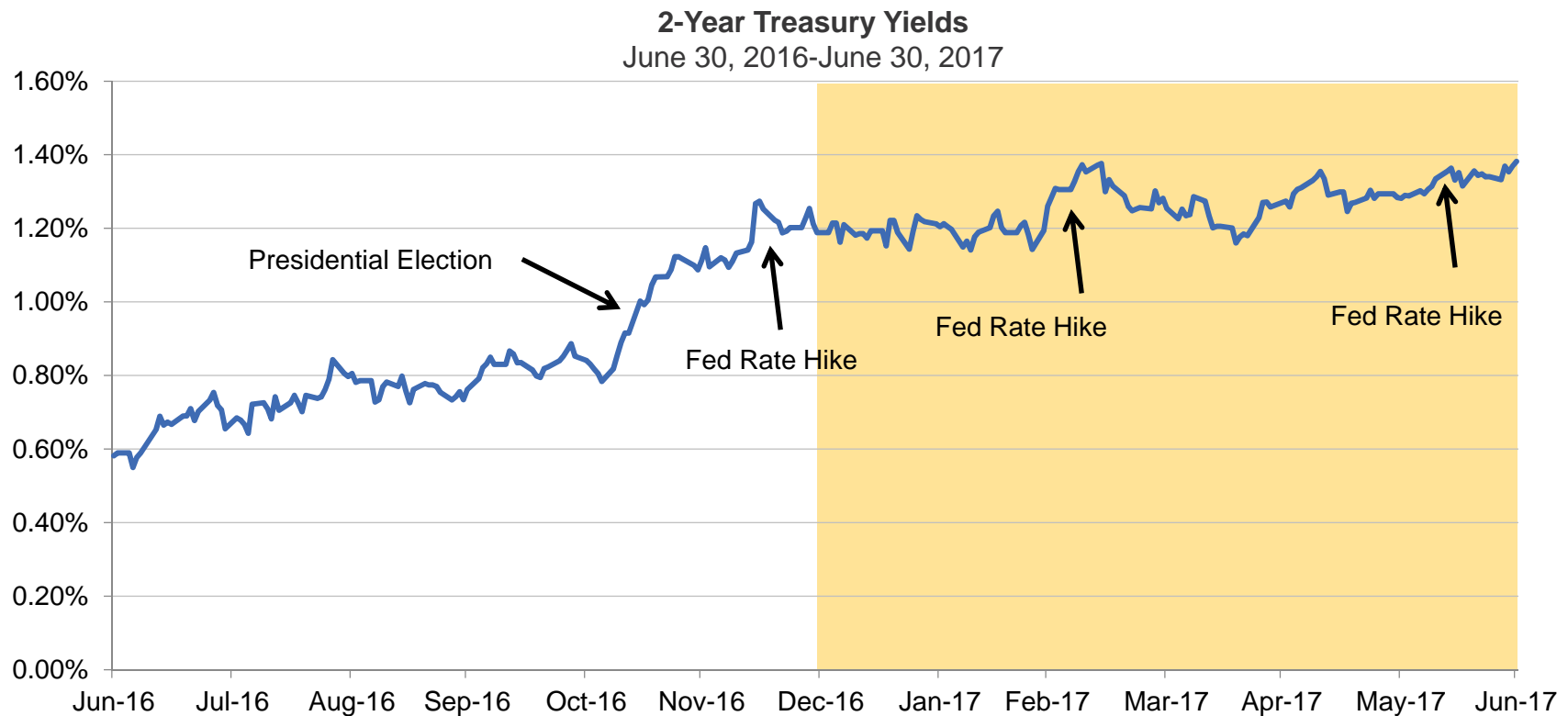


Source: Bloomberg, as of 6/30/17. Inflation expectations based on yield difference between 5-year Treasury note and 5-year Treasury Inflation Protected Securities (TIPS).



2-Year U.S. Treasury History

- The 2-year Treasury yield has moved substantial higher over the past twelve months. However, most of the increase occurred in 2016 with the 2-year Treasury yield moving only modestly higher during 2017.

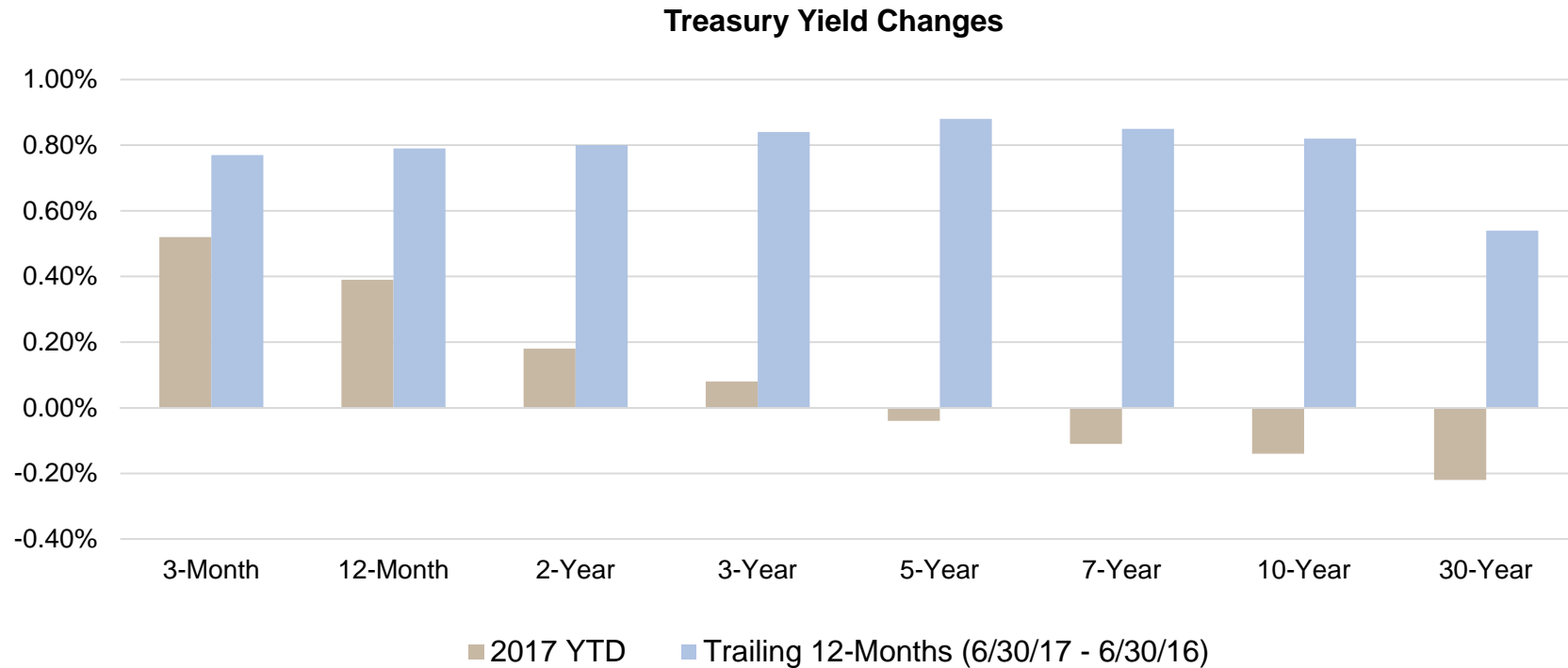


Source: Bloomberg, as of 6/30/17.



Yield Curve Flattens During 2017 as Inflation Expectations Moderate

- Although interest rates are up substantial over the past twelve months, the yield curve has flatten during 2017 as shorter-term yields are up on two hikes in the federal funds while longer-term rates are down on lower inflation expectations.



Source: Bloomberg, as of 6/30/17.



FOMC Statement Highlights

June

14

- Information received since the FOMC met in May indicates that the **labor market has continued to strengthen** and that economic activity has been rising moderately so far this year. **Job gains have moderated but have been solid**, on average, since the beginning of the year, and the **unemployment rate has declined**.
 - Inflation on a 12-month basis **is expected to remain somewhat below 2 percent in the near term** but to stabilize around the Committee's 2 percent objective over the medium term.
 - The Committee decided to **raise the target range for the federal funds rate to 1 to 1-¼ percent**. The committee expects that economic conditions will evolve in a manner that will warrant **gradual increases in the federal funds rate**.
-
- The Committee currently **expects to begin implementing a balance sheet normalization program this year**, provided that the economy evolves broadly as anticipated. This program, which would gradually reduce the Federal Reserve's securities holdings by **decreasing reinvestment of principal payments** from those securities.
 - All voting members supported the monetary policy actions, except for Neel Kashkari (Minneapolis Fed President), who preferred to maintain the existing target range for the federal funds rate.

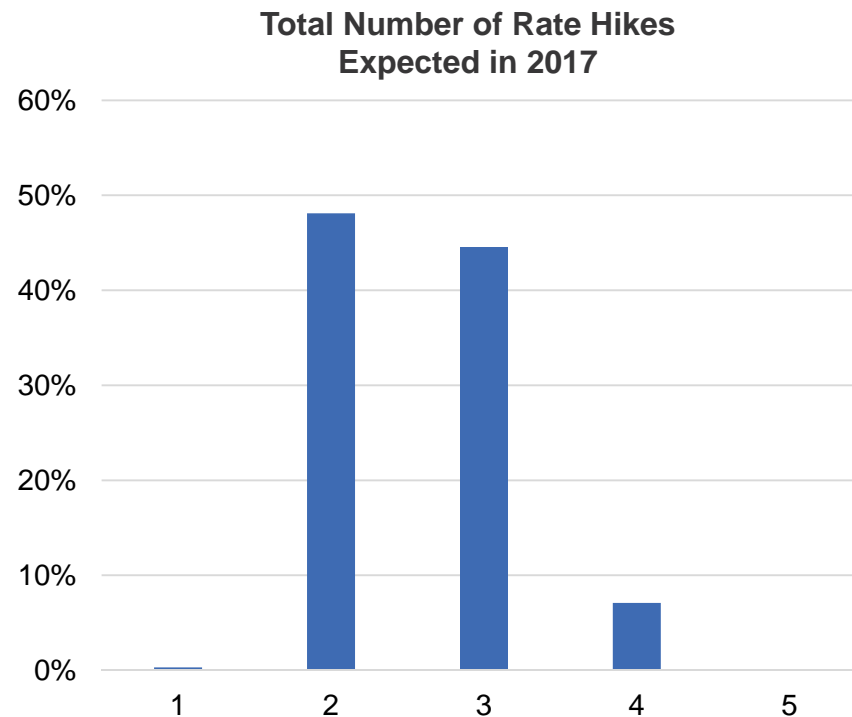
Source: Federal Reserve.



Fed Rate Hike Probabilities

- Market implied probabilities indicate that there is a 52% chance of the Federal Reserve raising rates at their December meeting. Additionally, the market has priced in a roughly 45% chance of three total rate hikes in 2017.

Meeting	6/30/17
7/26/2017	0%
9/20/2017	16%
11/1/2017	17%
12/13/2017	52%
1/31/2018	53%

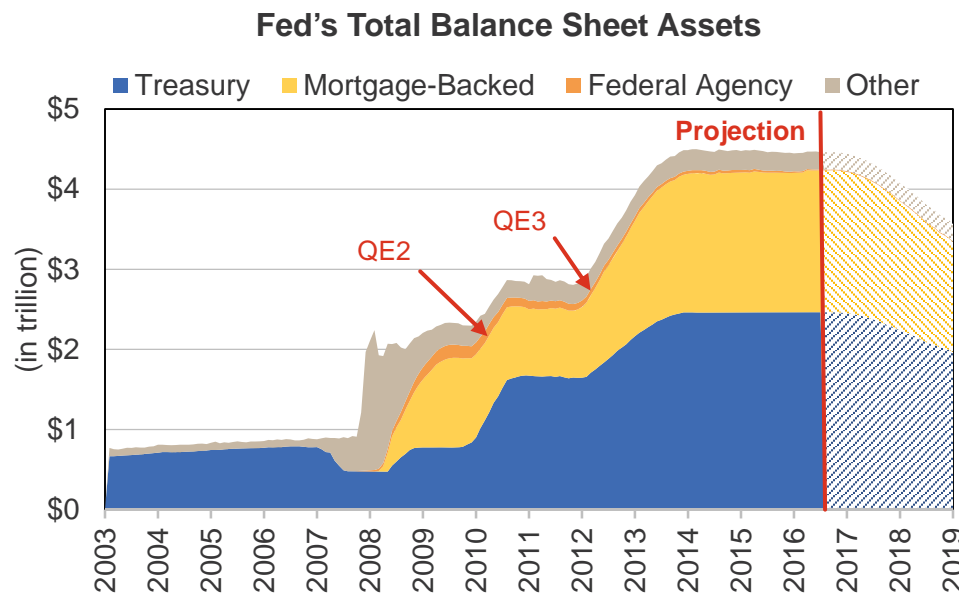


Source: Bloomberg, as of 6/30/17.



Fed's Balance Sheet Normalization Plan

- The Federal Reserve laid out its plan at the June FOMC meeting to reduce the size of its balance sheet, which grew to \$4.5 trillion after multiple rounds of quantitative easing following the 2008 financial crisis. Fed officials currently expect to begin implementing the program this year, provided the economy evolves broadly as anticipated.
- The Fed plans to gradually reduce its holdings by decreasing reinvestments of principal payments on its U.S. Treasury and agency mortgage-backed securities. The pace of this decline will start at a cap of \$10 billion per month, increasing by \$10 billion per month every three months, until it reaches \$50 billion per month.



(in billion)	Treasury Holdings	MBS Holdings	Total Fed Assets
Sep 2017	\$2,465	\$1,770	\$4,460
Dec 2019 (Projected)	\$1,965	\$1,350*	\$3,540
Difference	\$(500)	\$(420)*	\$(920)

*MBS projection assumes that principal payments will always exceed the cap over the horizon period (i.e. the monthly run off amount is equal to the cap).

Source: PFM, Bloomberg, The Federal Reserve, FRB of St. Louis, as of 06/15/17. Projection is based on maturity schedule of Fed's Treasury holdings and caps on reinvestments as described in FOMC's June 2017 addendum to the Policy Normalization Principles and Plans, assuming normalization begins in October 2017.



Portfolio Composition

- ◆ The portfolio is in compliance with the District's Investment Policy.

Portfolio Market Value¹
June 30, 2017 versus December 31, 2016

Investment Type	6/30/17	% of Portfolio	12/31/16	% of Portfolio	Permitted by Policy
U.S. Treasury	\$482,608	3%	\$2,426,347	15%	100%
Federal Agency	\$4,198,957	25%	\$5,779,824	36%	100%
Supranational	\$241,034	1%	\$0	0%	30%
Corporate	\$2,013,065	12%	\$716,715	4%	30%
Negotiable CD	\$996,622	6%	\$0	0%	30%
Asset-Backed Securities	\$944,698	6%	\$716,715	4%	20%
CAMP Pool	\$6,213	<1%	\$49,791	<1%	50%
LAIF	\$7,744,029	46%	\$7,216,742	45%	30%
Total	\$16,775,977	100%	\$16,189,419	100%	

¹. Market value including accrued interest.



Issuer Distribution

- The portfolio is well diversified across sectors and issuers.

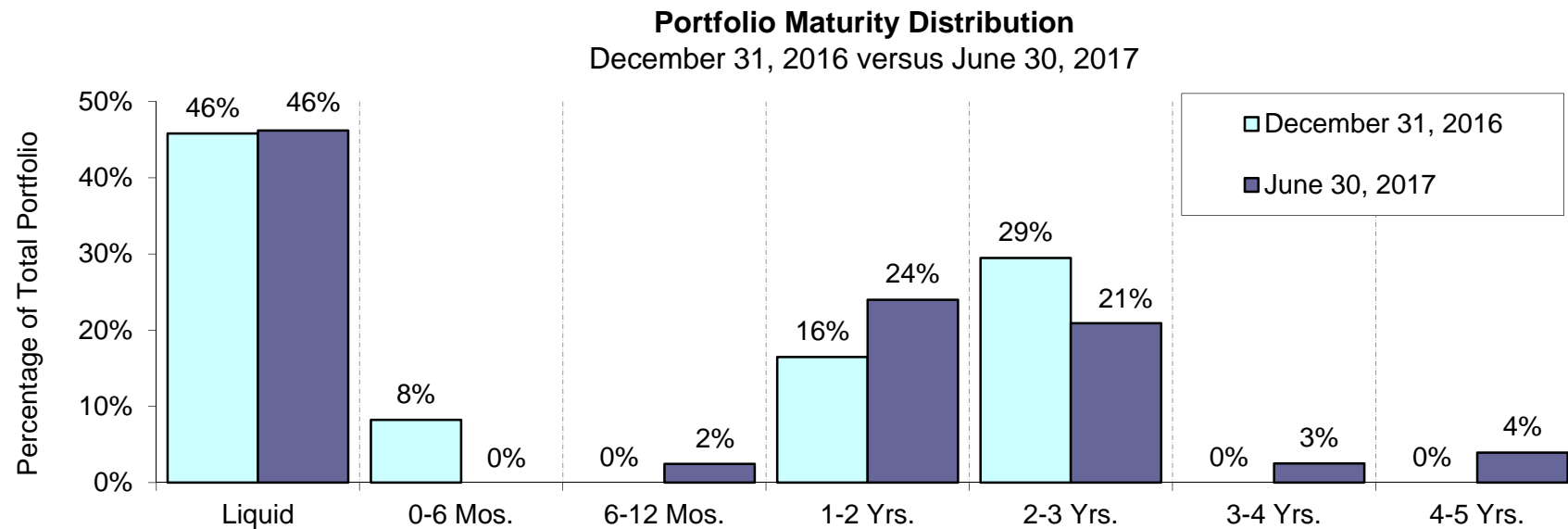
Sector	Issuer	Percentage
Treasury	US Treasury	2.9%
Agency	FNMA	12.2%
Agency	FHLB	8.1%
Agency	FHLMC	4.7%
Supra	IADB	0.9%
Supra	IBRD	0.5%
Corp	JP Morgan Chase	1.5%
Corp	US Bancorp	0.9%
Corp	Toyota Motor	0.9%
Corp	American Express	0.9%
Corp	Cisco Systems	0.9%
Corp	American Honda	0.9%
Corp	Apple	0.8%
Corp	BB&T Corp	0.6%
Corp	IBM	0.6%
Corp	Deer &Co	0.5%
Corp	Microsoft	0.5%
Corp	Exxon Mobil	0.5%
Corp	Intel	0.5%
Corp	Walt Disney	0.5%
Corp	Chevron	0.4%
Corp	PepsiCo	0.3%
Corp	Morgan Stanley	0.2%
Corp	Home Depot	0.2%

Sector	Issuer	Percentage
CD	Canadian Imperial Bank	1.5%
CD	Svenska Handelsbanken	1.2%
CD	Bank of Montréal	1.1%
CD	Sumitomo Mitsui	1.1%
CD	Bank of Nova Scotia	1.1%
ABS	CNH Equipment Trust	1.1%
ABS	Toyota Auto Receivables	0.9%
ABS	Honda Auto Receivables	0.8%
ABS	Citibank Credit Card	0.6%
ABS	American Express Credit	0.6%
ABS	Ally Auto Receivables	0.4%
ABS	Ford Auto Receivables	0.4%
ABS	Nissan Auto Receivables	0.4%
ABS	Hyundai Auto receivables	0.2%
ABS	John Deere Trust	0.2%
CP	Mitsubishi Financial	0.9%
CAMP	CAMP	0.0%
LAIF	LAIF	46.3%
TOTAL		100.0%



Maturity Distribution

- The individual investments are concentrated in the 1-3 year maturity range, consistent with the benchmark. In addition, the District maintains significant assets in LAIF to provide liquidity.



	12/31/16	6/30/17
Weighted Average Duration (portfolio)	1.82 years	1.83 years
Weighted Average Duration (overall)	1.00 years	0.98 years



Portfolio Total Return Performance

- The portfolio continues to perform well relative to the benchmark.
- The portfolio's total returns were very strong in 2017, but the since inception numbers are lower due to the sharp rise in rates during the fourth quarter 2016. The rise in interest rates drove market values lower (market values move inversely to the direction of interest rates). Market value fluctuations drive quarterly total return volatility but tend to average out over longer periods of time.

Total Returns ^{1,2,3,4,5}				
	Duration (yrs.)	Unannualized Total Returns Periods Ending 6/30/17		
		First Quarter	Six Months	Since Inception (9 Months)
El Toro Water District	1.83	0.33%	0.66%	0.37%
Merrill Lynch 1-3 Year UST Index	1.82	0.17%	0.43%	0.00%
Difference	0.00	0.16%	0.23%	0.37%

Notes:

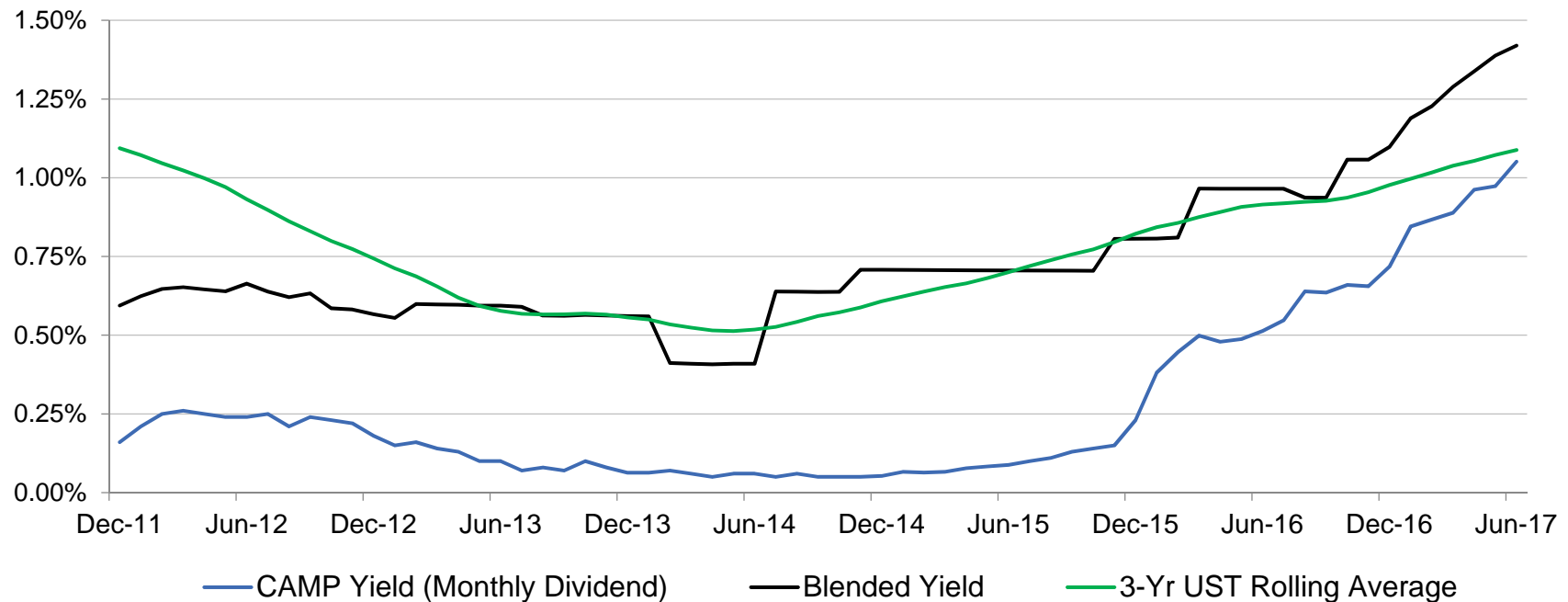
1. Performance on trade date basis, gross (i.e., before fees), in accordance with the CFA Institute's Global Investment Performance Standards (GIPS).
2. Merrill Lynch Indices provided by Bloomberg Financial Markets.
3. Returns for less than a year are unannualized. Returns periods longer than a year are presented on an annualized basis.
4. Excludes money fund balance in performance, duration, and yield computations.
5. Inception date is 9/30/16.



Yield Comparison

- The portfolio's yield moved sharply higher during the past six months, as the portfolio adjusts to current interest rate levels.
- The portfolio's yield should continue to trend upward with any further increases in interest rate levels.

Portfolio Yield Comparison History
December 2011 – June 2017



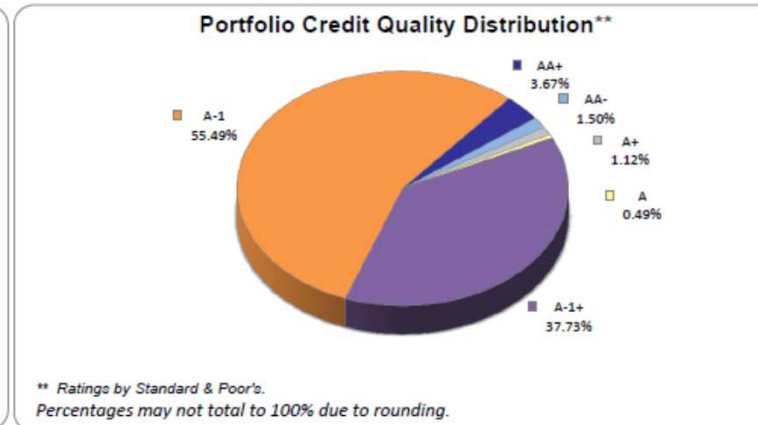
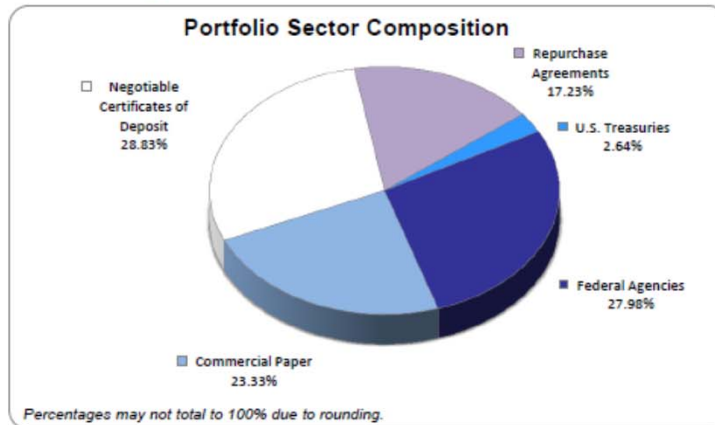
Treasury Yield Source: U.S. Department of the Treasury.



CAMP Characteristics as of June 30, 2017

Total Fund Net Assets¹ \$2,672,156,465
 Current 7-Day Yield² 1.09%
 S&P Rating³ AAAm

Weighted Average Maturity 49 Days
 Net Asset Value per Share \$1.00



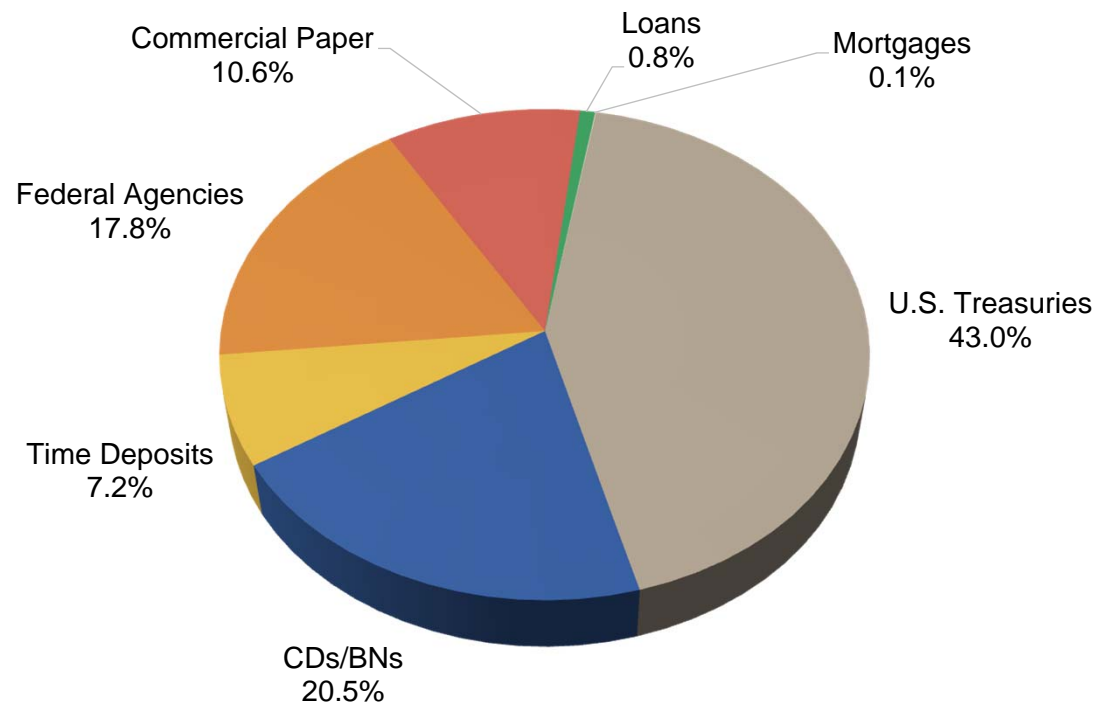
1. Total fund net assets, portfolio holdings valued at amortized cost, trade date based.
2. As of June 30, 2017, the current seven-day yield of the CAMP Cash Reserve Portfolio may, from time to time, be quoted in reports, literature and advertisements published by the Trust. The current seven-day yield, also known as the current annualized yield, represents the net change, exclusive of capital changes and income other than investment income, in the value of a hypothetical account with a balance of one share (normally \$1.00 per share) over a seven-day base period expressed as a percentage of the value of one share at the beginning of the seven-day period. This resulting net change in account value is then annualized by multiplying it by 365 and dividing the result by 7. Past performance is not indicative of future results and yields may vary.
3. Standard & Poor's fund ratings are based on analysis of credit quality, market price exposure, and management. According to Standard & Poor's rating criteria, the AAAm rating signifies excellent safety of investment principal and a superior capacity to maintain a \$1.00 per share net asset value. However, it should be understood that the rating is not a "market" rating nor a recommendation to buy, hold or sell the securities. For a full description on rating methodology, visit Standard & Poor's website (http://www.standardandpoors.com/en_US/web/guest/home).

This information is for institutional investor use only, not for further distribution to retail investors, and does not represent an offer to sell or a solicitation of an offer to buy or sell any fund or other security. Investors should consider the Trust's investment objectives, risks, charges and expenses before investing in the Trust. This and other information about the Trust is available in the Trust's current Information Statement, which should be read carefully before investing. A copy of the Trust's Information Statement may be obtained by calling 1-800-729-7665 or is available on the Trust's website at www.camponline.com. While the Trust seeks to maintain a stable net asset value of \$1.00 per share, it is possible to lose money investing in the Trust. An investment in the Trust is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Shares of the Trust are distributed by PFM Fund Distributors, Inc., member Financial Industry Regulatory Authority (FINRA) (www.finra.org) and Securities Investor Protection Corporation (SIPC) (www.sipc.org). PFM Fund Distributors, Inc. is a wholly owned subsidiary of PFM Asset Management LLC.



LAIF Characteristics as of June 30, 2017

Pooled Money Investment Account Sector Distribution
\$77.6 Billion as of June 30, 2017



Average Maturity: 194 days

Source: http://www.treasurer.ca.gov/pmia-laif/performance/PMIA-LAIF_perform.pdf



Disclosures

This material is based on information obtained from sources generally believed to be reliable and available to the public, however PFM Asset Management LLC cannot guarantee its accuracy, completeness or suitability. This material is for general information purposes only and is not intended to provide specific advice or a specific recommendation. All statements as to what will or may happen under certain circumstances are based on assumptions, some but not all of which are noted in the presentation. Assumptions may or may not be proven correct as actual events occur, and results may depend on events outside of your or our control. Changes in assumptions may have a material effect on results. Past performance does not necessarily reflect and is not a guaranty of future results. The information contained in this presentation is not an offer to purchase or sell any securities.



California Special
Districts Association

Districts Stronger Together

CALIFORNIA SPECIAL DISTRICTS ASSOCIATION

2017 BOARD ELECTIONS

MAIL BALLOT INFORMATION

Dear Member:

A mail ballot has been enclosed for your district's use in voting to elect a representative to the CSDA Board of Directors in your Network for Seat C.

Each of CSDA's six (6) networks has three seats on the Board. Each of the candidates is either a board member or management-level employee of a member district located in your network. Each Regular Member (district) in good standing shall be entitled to vote for one (1) person to represent its network.

We have enclosed the candidate information for each candidate who submitted one. Please vote for **only one** candidate to represent your network in Seat C, **unless otherwise noted on the actual ballot**, and be sure to sign, date and fill in your member district information. If any part of the ballot is not complete, the ballot will not be valid and will not be counted.

Please utilize the enclosed return envelope to return the completed ballot. Ballots must be received at the CSDA office at 1112 I Street, Suite 200, Sacramento, CA 95814 by **5:00pm on Friday, August 4, 2017**.

If you do not use the enclosed envelope, please mail in your ballot to:

California Special Districts Association

Attn: 2017 Board Elections

1112 I Street, Suite 200

Sacramento, CA 95814

Please contact Beth Hummel at 877.924.2732 or bethh@csda.net with any questions.



**California Special
Districts Association**
Districts Stronger Together

2017 CSDA BOARD CANDIDATE INFORMATION SHEET

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

Name: Arlene Schafer

District/Company: Costa Mesa Sanitary District

Title: Secretary

Elected/Appointed/Staff: Elected

Length of Service with District: 20 Years

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

Current member of the CSDA Board of Directors, Legislative Committee, Membership Commission Chair, Fiscal Committee and attendee of Legislative Days, Annual Conference, SDLA certificate holder.

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

Member of CSAC and was a member of the League when serving on the City Council.

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

LAFCO member representing special districts, former Chair and Vice Chair of the ISDOC and currently serving as an Executive Committee member, OCCOG Board member.

- 4. List civic organization involvement:**

President of Harbor-Mesa Lions (2 terms), Costa Mesa Republican Federation of Women, OC Federation of Women, 3rd Vice President Ways & Means, Costa Mesa for Responsible Government member.

RE-ELECT ARLENE SCHAFER CALIFORNIA SPECIAL DISTRICTS ASSOCIATION SOUTHERN NETWORK

Arlene Schafer—Secretary
Costa Mesa Sanitary District



PREVIOUS CSDA EXPERIENCE

- ◆ Board President
- ◆ Board Vice President
- ◆ Board Secretary
- ◆ Finance Corporation
- ◆ Legislation Committee
- ◆ Fiscal Committee
- ◆ CSDA Membership Committee
- ◆ Recruitment & Planning Committee

As the former Mayor of the City of Costa Mesa, it has been an honor to serve as your representative on the California Special Districts Association (CSDA) for the past two years and now I humbly ask for your support to re-elect me to the Southern Network for another term. I believe my 28 years of experience as a local government leader that includes 20 years serving special districts in a variety of different capacities makes me the best candidate. In March, the Little Hoover Commission will release its report on special districts and its very likely the report will focus on the role Local Agency Formation Commissions play in special district formation and reorganization. CSDA was an active participant in the public hearings where commissioners learned how special districts provide vital services in our communities and are directly accountable to our voters and ratepayers. During my term as a member of the Board of Directors, CSDA successfully advocated for special districts by using the latest technology for outreaching such as CSDA's campaign website, "Districts Make the Difference" and the new online video, "Districts Empower our Communities." I believe it is extremely important for CSDA to keep its foot on the pedal on advocacy by letting legislators, media, business leaders, schools and the general public know how important we are in our communities.

Currently, I am serving on the Board of Directors for the Costa Mesa Sanitary District (CMSD) where I have been a Board member for 20 years. I am proud to be part of an organization that has been a District of Distinction since 2009, earned the Transparency Certificate of Excellence for four consecutive years and CMSD is one of few special districts in California that received Gold Recognition in Special District Governance.

If re-elected, I will continue to support CSDA's public outreach campaign about the essential services we provide and I will work collaboratively with CSDA Board of Directors and staff on providing essential training and professional development to help your agency succeed. Please vote for Arlene Schafer by August 4, 2017.



California Special
Districts Association
Districts Stronger Together

2017 CSDA BOARD CANDIDATE INFORMATION SHEET

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

Name: Kristin Bloomer

District/Company: Desert Water Agency

Title: Secretary-Treasurer

Elected/Appointed/Staff: Elected

Length of Service with District: 12/4/15 - Current

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

I recently attended the CSDA Legislative Days event.

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

I am a member of ACWA and attend their conferences.

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

City of Palm Springs Measure J Oversight Committee, Desert Water Agency Finance
and Legislative Committees

4. List civic organization involvement:

Palm Springs SunUp Rotary Club, Palm Springs Woman's Club, St. Theresa

School PTA President, Desert Roundtable

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after May 31, 2017 will not be included with the ballot.**

Kristin Bloomer's Candidate Statement

I was first elected to the Desert Water Agency Board in 2015 and currently serve as Secretary-Treasurer on the Board of Desert Water Agency. However, service to my community has always played an important role in my life. I am dedicated to improving the quality of life for my community. Throughout my life, influence in community affairs and local government has grown. I have focused on the priority of shaping local government to strengthen the local and regional economies and create solutions to local and regional challenges. Southern California is faced with many challenges and I believe that challenges present opportunities, and that the Southern Network cannot afford to miss capitalizing upon those opportunities.

I am a longtime Palm Springs resident. My community service started early, when as a teenager, I volunteered with The Braille Institute and the National Charity League of Palm Springs.

My dedication to community service includes:

- Palm Springs Measure J Oversight Commission Vice-Chair
- Palm Springs Sunup Rotary Club past-President and current Assistant District Governor
- Founding President of the Desert Valley Women's Club
- Member of the Palm Springs Woman's Club
- St Theresa School Parent Teacher Group Board President
- Volunteer Volleyball Coach at Palm Springs High School
- Finance and Legislative Committee of Desert Water Agency



**California Special
Districts Association**
Districts Stronger Together

2017 CSDA BOARD CANDIDATE INFORMATION SHEET

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

Name: John DeMonaco

District/Company: Chino Valley Independent Fire District

Title: Director

Elected/Appointed/Staff: Elected

Length of Service with District: 11 years

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

I am on the Legislative and Fiscal Committees

I have also served on the Education and Membership Committees

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

I am on the Board of Directors for the Fire Districts Association of California

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

N/A

- 4. List civic organization involvement:**

I am a member and past Chairman of the Rotary Club of Chino. I am also a Board Member of the Chino Rotary Foundation.

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after May 31, 2017 will not be included with the ballot.**

I am seeking election to a seat on the Board of Directors of the California Special Districts Association.

I have served on the Board of Directors of the Chino Valley Independent Fire District for 11 years, elected in 2006. I am very proud to state that our Fire District is the **first** fire district to receive the District of Distinction Accreditation from the Special Districts Leadership Foundation (SDLF). We have been a District of Distinction since 2008. We also have obtained a District of Transparency Certificate of Excellence. I have completed the SDLF Recognition of Special District Governance.

I serve on the CSDA Legislative and the Fiscal Committees. I have previously served on the CSDA Education and Membership committees.

I am a retired Fire Chief with 33 years of Fire Service experience. I have been involved in city, county, JPAs and special districts in various capacities. I am currently on the Board of Directors of the Fire Districts Association of California and also serve on their Conference Committee. I am a Past President of the Chino Rotary Club and past Chairman of the Chino Rotary Foundation.

I understand, and I am committed to legislative advocacy for special districts. Special Districts provide one of the most effective, efficient, and accountable forms of local service. It is vital that we continue to work together to influence and monitor policy decisions affecting California special districts.

My commitment, extensive experience, and education in public service and as a special district board member and policy-maker, provides me with the ability to effectively serve as a CSDA Board Member representing all California Special Districts. I look forward to your support!

Please contact me at (909) 816-8396 or email at jdemonaco@chofire.org.

John DeMonaco



California Special
Districts Association

Districts Stronger Together

2017 CSDA BOARD CANDIDATE INFORMATION SHEET

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

Name: Richard Hall

District/Company: Mojave Water Agency

Title: Director, Division 3

Elected/Appointed/Staff: Elected

Length of Service with District: 17 years

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

Currently serving on the Professional Development
Committee and Membership Committee

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

Mojave Water Agency is a member of ACWA

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

Currently President of the Association of San Bernardino
County Special Districts

4. List civic organization involvement:

Member of the Elks Association, Kiwanis, Summit Valley
Property Owners

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after May 31, 2017 will not be included with the ballot.**

CANDIDATE STATEMENT

My name is Richard Hall and I am currently a Director for the Mojave Water Agency and President of the Association of the San Bernardino County Special Districts and have served as an elected official for more than 35 years in two Special District organizations. I am interested in the CSDA Board of Directors position for Southern District Seat C – here is a list of my qualifications:

- First-hand knowledge and experience to ensure that we have safe, quality drinking water.
- Knowledge and experience in Recreation and Parks through 20 years on the Hesperia Recreation and Parks Special District board and served as president four times.
- Knowledge and experience in Property Owners Association in Summit Valley, California where I helped to bring electricity and natural gas to the owners and served as president.
- Knowledge and experience in Engineering and Management at General Dynamics Program Office working with the Federal and State government.
- Reduced taxes through leadership as well as set policy to purchase quality water, build water discharge facilities, and given tax money back to residents who helped reduce water usage.
- Continue to fight to bring 21st century technology to our Agency to study in order to better ensure management of our water resources by advanced computer systems, deep monitor wells, and other state of the art methods.
- Worked closely with community leaders and residents for best policies and strategies including getting State and Federal funding for safe, drinkable water and other needed projects and programs..
- Support funding colleges and students for research and development for continued new resource solutions for present and future issues.

I know that more needs to be done and have plans to meet these challenges. Let us protect our future and provide leadership with someone who knows how.



California Special
Districts Association
Districts Stronger Together

2017 CSDA BOARD CANDIDATE INFORMATION SHEET

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

Name: Michael Mack

District/Company: Rainbow Municipal Water District

Title: Director, Division 5

Elected/Appointed/Staff: Elected

Length of Service with District: 5 months

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

I am the officially appointed RMWD representative for CSDA.

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

I serve as the RMWD representative of both ACWA & CSDA.

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

I worked for the city of San Marcos, CA for over 30 years as Parks Superintendent.

4. List civic organization involvement:

Past President of P.T.A.

* SEE ATTACHED STATEMENT *

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after May 31, 2017 will not be included with the ballot.**

ENDLESS POSSIBILITIES



My name is Michael Mack and I am honored to be seeking election to be on the Board of Directors of California Special Districts Association.

I was elected to the Rainbow Municipal Water District Board of Directors in December 2016 and appointed to serve as the District's representative at both ACWA and CSDA. My background includes a degree in horticulture and worked for the City of San Marcos for over thirty years. As the Parks Department Supervisor, I had many responsibilities including reviewing plans and inspection of new park and street median installations. I was both a Certified Playground Inspector and Irrigation Auditor. One of my main responsibilities was ensuring efficient usage of water resources. I calculated, determined, and programmed water requirements for the plant material for all parks and street medians within the City.

I have learned the importance of CSDA is we are the support system to help ensure efficient and productive services to both small and large communities throughout California at the local level of city governments. As your CSDA Board Member, I see endless possibilities and promise to tackle and meet the challenges our districts face. We all must work together for present and future needs for our special districts and by doing so we can and will achieve our goals. We must be proactive with our legislators and with this energy and commitment we can make the difference between success and failure.

I am very honored to have this chance to serve all of you and given this opportunity. I feel extensive service and experience in the public sector, I will work effortlessly to make those endless possibilities become reality.

John DeMonaco
jdemonaco@chofire.org
(909) 816-8396

June 1, 2017

Dear CSDA Colleague,

My name is John DeMonaco and I am requesting your **VOTE** in the upcoming 2017 election for a seat on the Board of Directors of the California Special Districts Association, Southern Network. The CSDA Southern Network is very large and includes approximately 180 Special Districts within the Counties of San Diego, Imperial, Riverside, San Bernardino, Los Angeles and Orange.

I am a strong advocate of Special Districts. I believe that Special Districts are the strongest form of government that impacts our residents on a daily basis. Immediately after I was elected, I became involved with CSDA and volunteered to serve on numerous committees. I have previously served on the CSDA Education and Membership Committees and I now serve on the CSDA Legislative and the Fiscal Committees. I also serve on the CSDA Little Hoover Commission Working Group.

Serving on these main CSDA committees has given me the insight and understanding into the "workings" of the association. I understand CSDA'S budget and finances, the educational programs, and what CSDA needs to offer its member districts. With this experience, I will be an effective board member from the "get-go."

Serving on the Legislative Committee, I understand, and I am committed to legislative advocacy for special districts. I recognize the importance of working together to represent the common interest of all California Special Districts and the residents we serve. Special Districts provide one of the most effective, efficient, and accountable forms of local service. The California Special District Association monitors ALL legislation so that special districts can continue to deliver core services and can continue to be efficient. It is vital that the CSDA Legislative Staff with the direction of the Board of Directors continues to work to influence and monitor policy decisions affecting California special districts.

I am on the Board of Directors of the Chino Valley Independent Fire District since 2006, serving my community for 11 years. I will be up for re-election in 2020. I am very proud to state that our Fire District is the **first** fire district to receive the District of Distinction Accreditation from the Special Districts Leadership Foundation (SDLF). We have been a District of Distinction since 2008. We also have obtained a District of Transparency Certificate of Excellence. I have completed the Special District Leadership Academy and have earned the SDLF Recognition of Special District Governance. Our District Board is in process of receiving the SDLF Gold Recognition of Special District Governance.

I am a retired Fire Chief with 33 years of Fire Service experience. I have been involved in city, county, JPAs and special districts in various capacities. I am currently on the Board of Directors of the Fire Districts Association of California and also serve on the FDAC Conference Committee. I am a current board member and Past President of the Chino Rotary Club and past Chairman and member of the Chino Rotary Foundation.

I believe in Special Districts and the service that we provide. Special Districts provide one of the most effective, efficient, and accountable forms of local service. I am committed to legislative advocacy for special districts. It is vital that we continue to work together to influence and monitor policy decisions affecting California special districts.

My commitment and extensive experience, education in public service and as a special district board member & policy-maker, provides me with the ability to effectively serve as a CSDA Board Member representing all California Special Districts. If elected, I will work hard to support all Special Districts. Your District's **VOTE** will be greatly appreciated. I look forward to your support. If you would like to speak with me or I can be of any assistance, please contact me at (909) 816-8396 or email at jdemonaco@chofire.org. Thank you.

Respectfully,

A handwritten signature in black ink, appearing to read 'John DeMonaco', with a stylized flourish at the end.

John DeMonaco

CSDA BOARD OF DIRECTORS 2017 ELECTION



**SOUTHERN
NETWORK**

SEAT C
term ends 2020

Please vote for only one.

- ☐ **Arlene Schafer***
Costa Mesa Sanitary District
- ☐ **Kristin Bloomer**
Desert Water Agency
- ☐ **John DeMonaco**
Chino Valley Independent Fire District
- ☐ **Richard Hall**
Mojave Water Agency
- ☐ **Michael Mack**
Rainbow Municipal Water District

All fields must be completed for ballot to be counted.

** incumbent running for re-election*

SIGNATURE:	DATE:
MEMBER DISTRICT:	

Must be received by **5pm, August 4, 2017**. CSDA, 1112 I Street, Suite 200, Sacramento, CA 95814

GILBERT J. GRANITO
STEVEN B. ABBOTT

GERALD D. SHOAF, of Counsel

LAW OFFICES

REDWINE AND SHERRILL, LLP

3890 11th STREET, SUITE 207
RIVERSIDE, CALIFORNIA 92501-3577
AREA CODE 951
TELEPHONE 684-2520
FAX 684-5491

13611 WINTHROPE STREET
SANTA ANA, CALIFORNIA 92705-2705
AREA CODE 714
TELEPHONE 832-2256
FAX 832-1719

July 18, 2017

REPLY TO: Riverside Office

Via U.S. Mail and E-mail bhill@etwd.com

El Toro Water District
Board of Directors & General Manager
Attn: Robert R. Hill
P. O. Box 4000
Laguna Hills, CA 92654

RE: General Counsel Services

Honorable Board Members and Mr. Hill,

The purpose of this letter is to furnish the El Toro Water District ("District") with a written memorandum of the terms and conditions under which I serve as General Counsel to the District in conjunction with Redwine and Sherrill, LLP.

The former partnership of Redwine and Sherrill has ceased operations and the attorneys have reorganized into a new firm, Redwine and Sherrill, LLP.

There is no change in billing rates and there will be no change in the attorneys who generally work on matters for the District.

The terms of this memorandum are as follows:

1. Gilbert J. Granito shall serve as General Counsel to the District, and all legal services provided by Redwine and Sherrill, LLP inclusive of Gerald W. Eagans shall be performed by or at the direction of Gilbert J. Granito.
2. Gilbert J. Granito inclusive of Redwine and Sherrill, LLP shall serve hereunder at the pleasure of the Board of Directors of the District and may be discharged at any time, with or without cause.
3. Attorney hourly rates hereunder are \$220.00 per hour, billable in one-tenth (1/10th) of an hour increments. This hourly rate is presently in effect and any increase will be subject to Board approval. The billing rates to the District have always been kept well within the realm of reasonableness as intended. Our bills are presented on a monthly basis and are payable upon receipt.

4. Billable rates apply to all time spent on a matter, including but not limited to, telephone conferences, research, preparing, analyzing and reviewing documents, depositions, discovery, court appearances, travel, negotiations and internal office conferences.
5. We will also bill the District for monthly expenses incurred by us in a matter and will itemize such billings for your convenience. These expenses include, but are not limited to, filing fees with government offices, process service and attorney service charges, allowable court costs (e.g., filing fees, clerk's fees, notary fees, deposition fees, reporter's fees, witness fees and mileage, jury fees), mileage at the IRS Standard Mileage Rate, on-line legal research charges, actual expenses away from our office on client business, long distance telephone calls, fax charges, Xerox costs, the costs of producing or reproducing any photographs, documents or physical things necessary for the preparation and presentation of a District matter, and the fees of expert witnesses we retain in these matters. We will discuss retention of such witnesses in advance with the District's General Manager and obtain authorization from the District's General Manager to retain specific witnesses.
6. The services of Special Counsel for labor and other matters, as needed, will also be included in our billing. Such services shall be subject to the authorization of the District's General Manager.
7. We advise you that this firm has and maintains errors and omissions (malpractice) insurance in the amounts not less than prescribed by California Corporations Code section 16956(a)(2)(A).
8. Finally, while we will devote our best professional abilities to representing the District, we cannot guarantee that the District will prevail in any litigation or administrative proceeding.

If these terms are acceptable to the District's Board of Directors and General Manager, please indicate approval in the appropriate space on the enclosed copy of this letter and return it to the undersigned. Please keep a copy for the District's records.

Very truly yours,
REDWINE AND SHERRILL, LLP

By: 

Gilbert J. Granito

El Toro Water District

July 18, 2017

Page | 3

I UNDERSTAND AND ACCEPT THE TERMS OF THIS MEMORANDUM

EL TORO WATER DISTRICT

Dated: _____

By: _____
M. Scott Goldman,
Board President

By: _____
Robert R. Hill,
General Manager

GENERAL MANAGER'S REPORT

July 2017

I. OFFICE OF THE GENERAL MANAGER

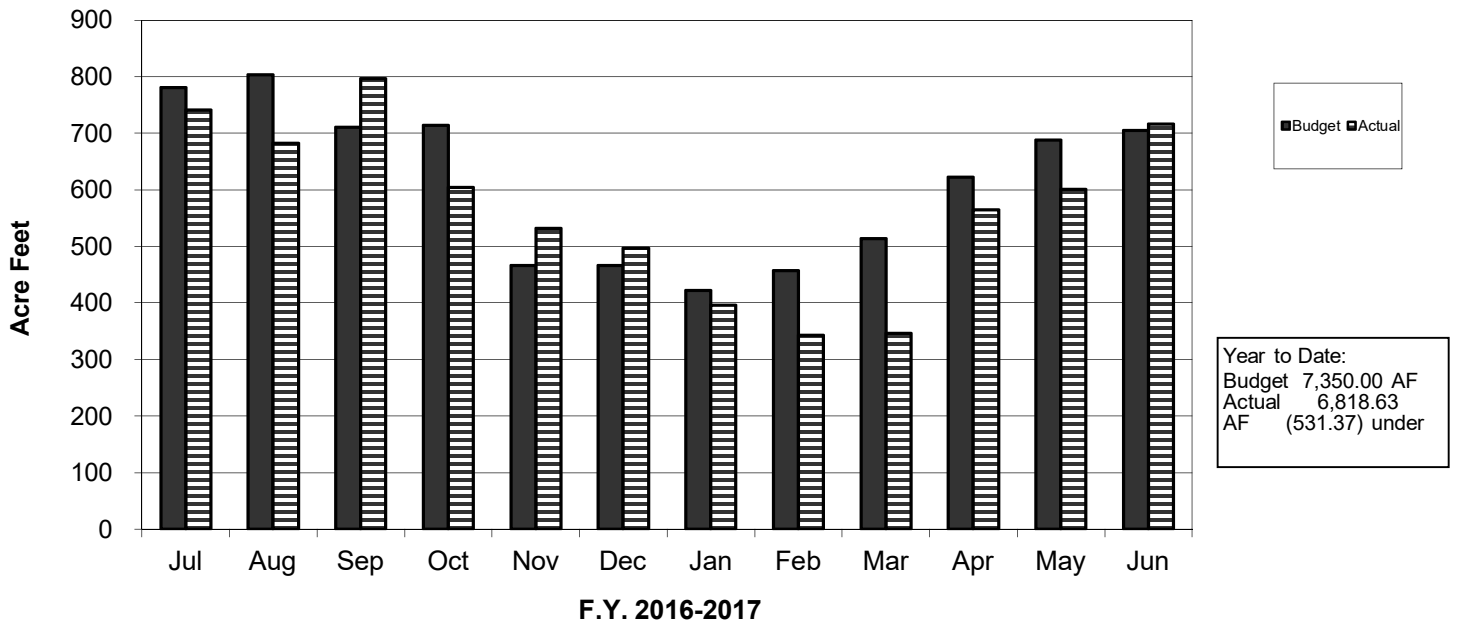
- Attended Chair/GM Meetings
- Attended a South County Agencies Meeting at MNWD
- Attended Region 10 Nominating Committee Conference Call

II. DOMESTIC AND RECLAIMED WATER SALES

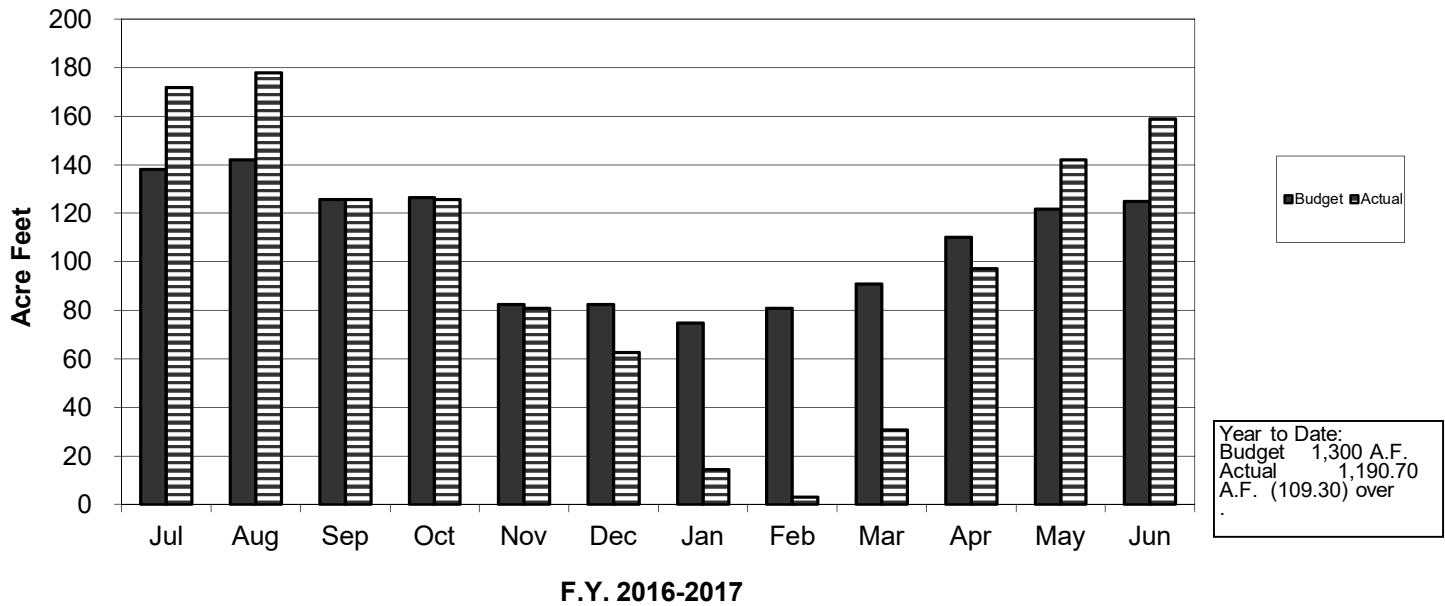
Actual domestic sales for the year-to-date as of June 30, 2017 are 6,808.63 acre-feet. This compares to year-to-date budgeted domestic sales of 7,349.81 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 541.18 acre-feet. Actual sales are 57.23 acre-feet higher than last year-to-date actual sales for the same period.

Recycled water sales for the year-to-date are 1,249.28 acre-feet, compared to 1,300 acre-feet budgeted for the same period.

DOMESTIC WATER SALES



RECLAIMED WATER SALES



Customer Service Activity Report

June-17

Regular Service Calls	JUNE 2017	JUNE 2016	Telephone Calls	JUNE 2017	JUNE 2016
Serviceman Dispatched to Read, Connect/Disconnect Service	84	90	Change of Service	146	128
Field Investigations:			Billing/Payment & Graph Inquires	615	588
Check for leaks-calls to the CS			Credit Card Info/payment	244	216
office(irrigation,meter,street leaks):			Variance/Waiver Request	132	159
Customer Responsible	26	23	Variance/Waiver Requests Processed	16	29
District Responsible	11	6	Ordinance Infraction	6	4
None found/other	13	13			
High Reads Checked - High Consumption (Billing Dept)	36	39	Other District	113	166
Cust Leaks _13_ No Leaks _23_			Departments	130	186
Check StoppedSlowed Meters-Low Consumption (Billing)	9	11	Calls for the B.O.D.	7	2
Re-Check Read	6	8	Recycled Water	10	2
Ordinance Infraction	6	9	Water Quality Taste - Odor - Color	4	4
Recycled Water	4	0	Leaks/Breaks	57	76
Water Quality Taste-Odor-Color Total	4	4	Flooding (Hydrant) Meter calls	3	2
Phone response _3_ Field response _1_			Sewer Problems	5	5
Flooding (Hydrant) Meters issued	2	0	Backflow/Cross Connection	3	16
Sewer - Odor/Stoppage/ Manhole Covers	11	8	ETWD Facilities Check - Boxes, Covers,Lids, Hydrants, Pump Stations, Graffiti - "Gen. Maint"	2	2
Meter Box /Lids/Covers Replaced	56	21	Tyco (ADT) Calls	7	0
Meter Box Clean, Digout	27	11	ATT Calls	2	4
Raised Meter Box	0	1	SCE Calls	1	2
Trim Bushes/Meter Obstruction	26	6	Pager Calls for Pump Stations - SCADA	0	0
General Maint Response	1	16	Payment Extensions	143	199
Fire Hydrants - Hit / Leaks / Caps	1	2	Delinquent Payment Calls to Customer 's (*No longer made by CS)	0	36
Pressure(psi) Checks /Reads	4	1	Return Calls on Customer's VM & Email's	69	47
CSSOV(Angle Meter/Gate/Glob Valve - chk,repair,replace)	10	10	Email Correspondence	297	197
Bees Removed	0	3	**Misc. - Bees, PSI, Fogged/Dirty Register	1	0
Backflow/Cross Connection	0	1			
Fogged Registers	0	4			
OMCOP-Old Meter Change- Out Program	6	16			
Other - (uncommon non-maintenance calls)	7	1			
On-Call After Hrs. CS Response	37	19			
# 48/24 Hr. Door Hangers Hung	148	147			
# Locked Off For Non-Pay (Disconnect)	12	8			
Removed Meter	46	*			
New Meter	1	*			
Total Field Investigations	594	478	Total Telephone Calls	2013	2070
Uncollectible Accounts:			Credit Card Payments	JUNE 2017	JUNE 2016
Budget YTD	25,000	\$30,000	REGULAR	542	\$55,847.24
Actual YTD	26,758	\$15,037	DISCONNECTS	369	\$37,688.42

* = New Code

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

MONTH ENDING:

June

2017

ODOR COMPLAINTS	NUMBER	LOCATION, ORIGIN, ACTION:		
Outside Laguna Woods Village				
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Private System				
Other: WRP				
TOTAL	0			
ROOT FOAMING	FOOTAGE	CHEMICAL USED	CHEMICAL COST	COMMENTS:
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
Other				
TOTAL	0			
ROOT CUTTING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village				
New World				
TOTAL	0			
HYDRO-CLEANING	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village	17,467			
New World				
Private System		Laguna Village		
Hot Spots	16,237			
ETWD TOTALS:	33,704			
SANTA MARGARITA TOTALS:				
COMBINED TOTALS:	33,704			
TV INSPECTIONS	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village	9,469			
Laguna Woods Village				
New World				
Private System				
Other				
TOTAL	9,469			
Wet Wells	4	Mathis - La Paz-Veeh 1 & 2		
Flow Meter/Sampling	0			
WATER TANK FILLS	32,000			

**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:		JUNE		YEAR : 2017	
CONSTITUENT ANALYSIS		INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	156(A)	Pres/Absence	0	Average
2 Chlorine (ppm)	Detectable Resid	114	Average = 1.42 ppm	0	
3 TTHM (ppb) (Stage 2)	0.080 ppb		N/A	8	24.8 ppb
3 HAA5 (ppb) (Stage 2)	0.060 ppb		N/A	8	11.2 ppb
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.01 to 0.10	0	
Odor	3 Units	20	ND<1	0	
Color	15 Units	20	ND<5	0	
Temperature	No standard	20	64.5°F To 75°F	0	
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	77	0.000 to 0.165 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

MICROBIOLOGICAL MONITORING

JUNE 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

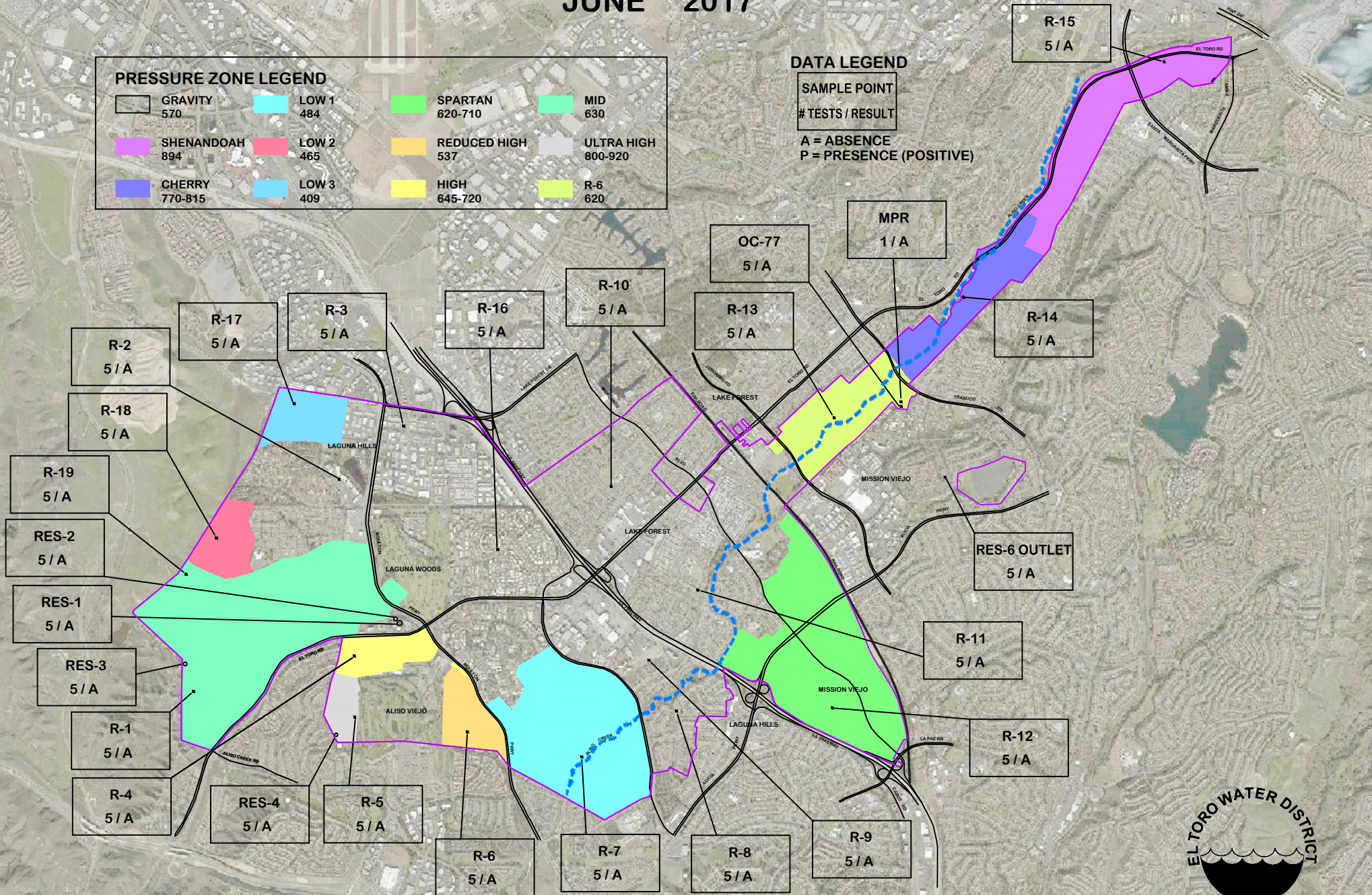
DATA LEGEND

SAMPLE POINT

TESTS / RESULT

A = ABSENCE

P = PRESENCE (POSITIVE)



CHLORINE RESIDUAL MONITORING

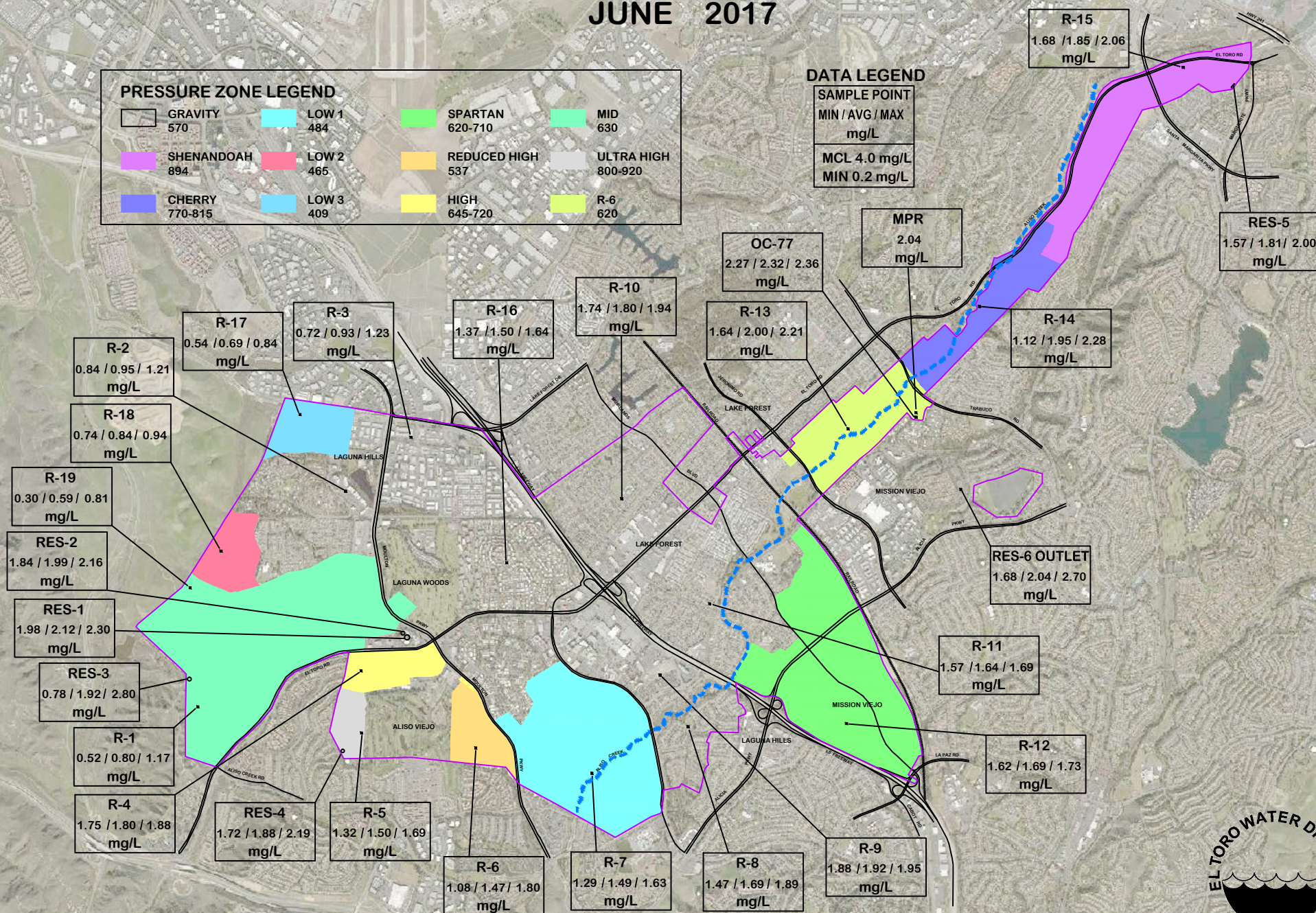
JUNE 2017

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

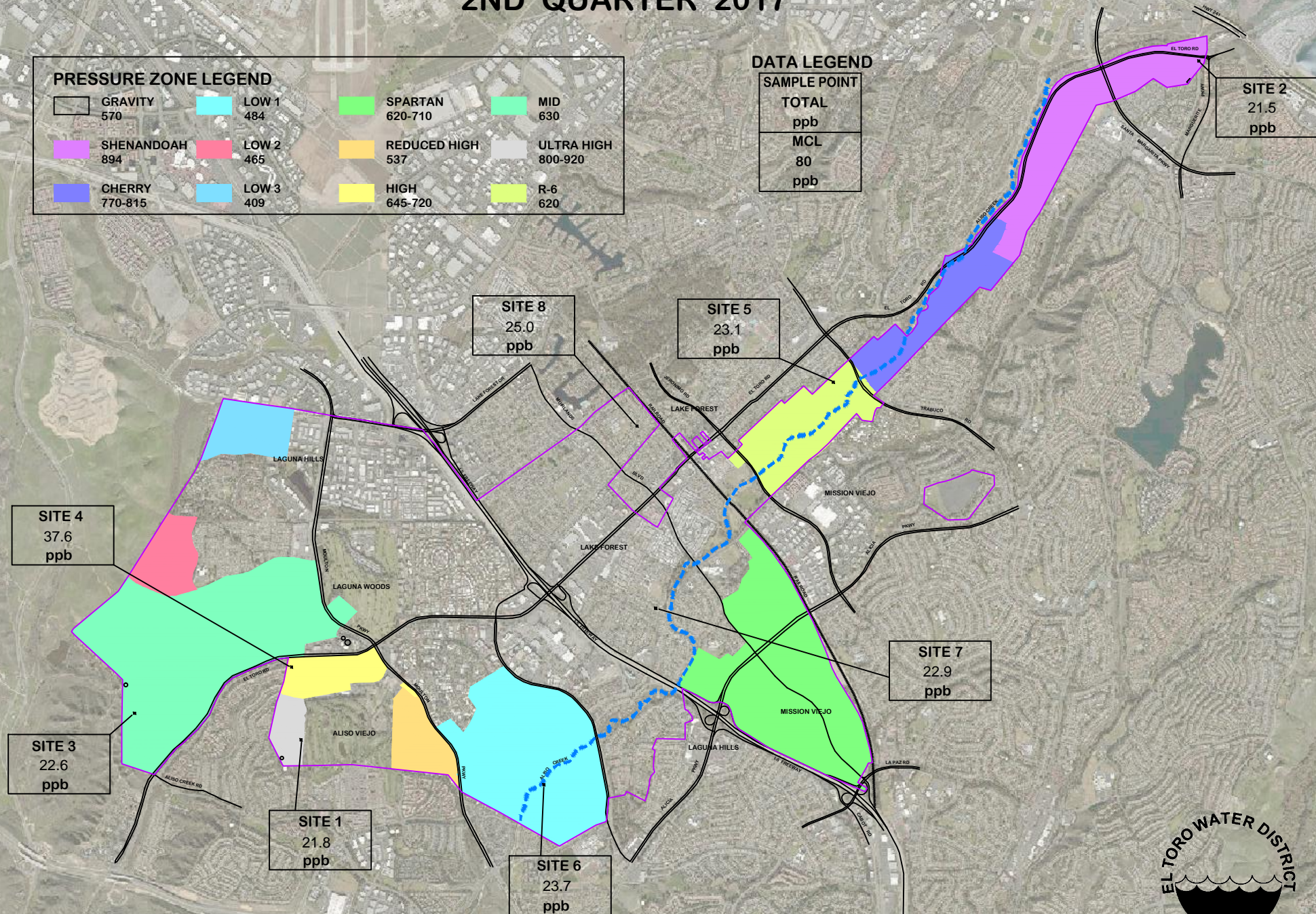
DATA LEGEND

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



STAGE 2 TOTAL TRIHALOMETHANES (TTHM) MONITORING

2ND QUARTER 2017



STAGE 2 HALOACETIC ACIDS (HAA5) MONITORING

2ND QUARTER 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 ppb
MCL 60 ppb

ND: NONE
DETECTED

SITE 2
12.0
ppb

SITE 8
8.9
ppb

SITE 5
10.8
ppb

SITE 4
15.3
ppb

SITE 3
10.8
ppb

SITE 1
12.9
ppb

SITE 6
10.2
ppb

SITE 7
8.8
ppb



NITRITE MONITORING

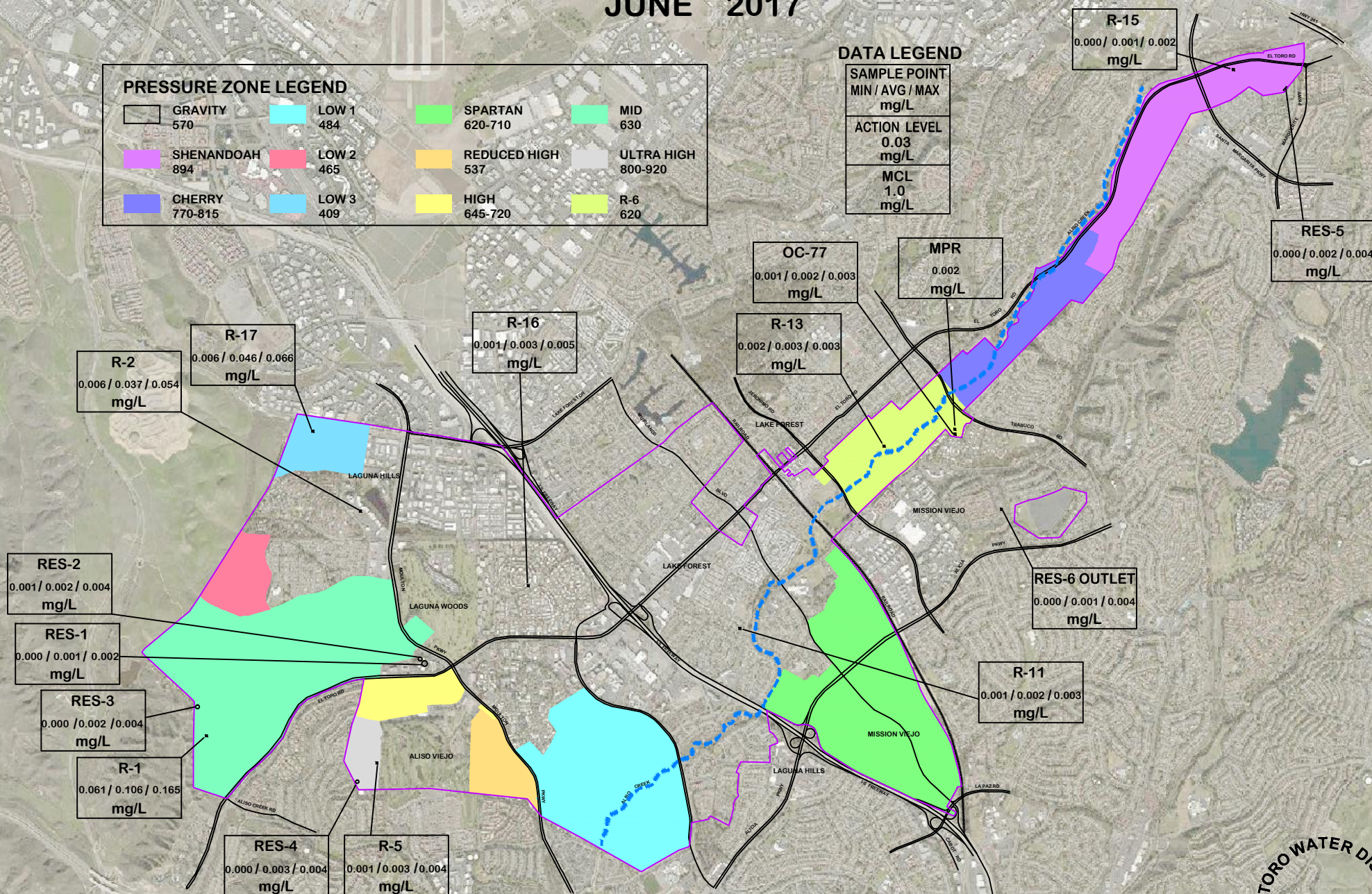
JUNE 2017

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
ACTION LEVEL 0.03 mg/L
MCL 1.0 mg/L



FLUORIDE MONITORING

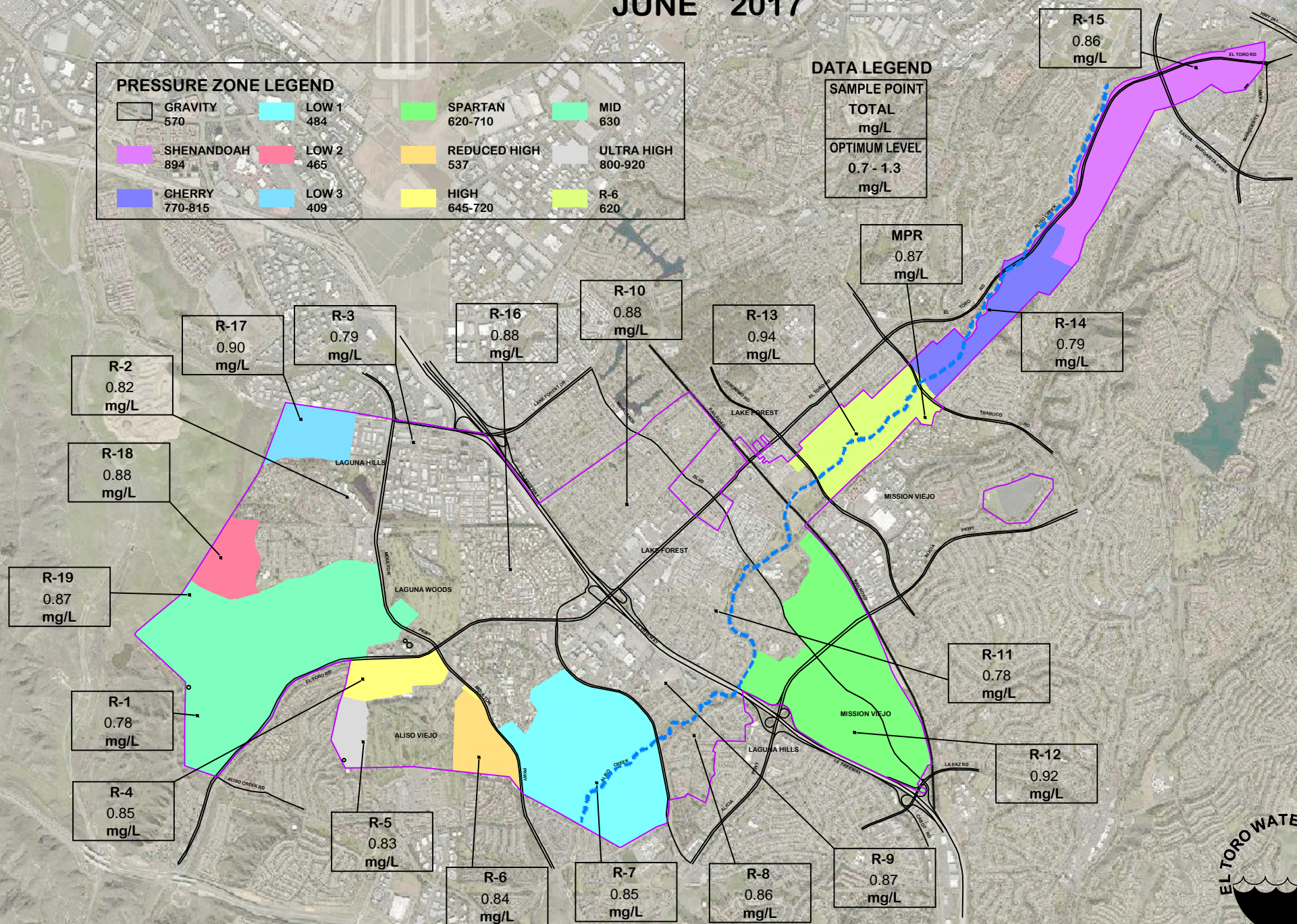
JUNE 2017

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

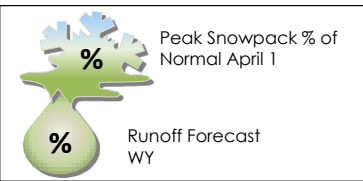
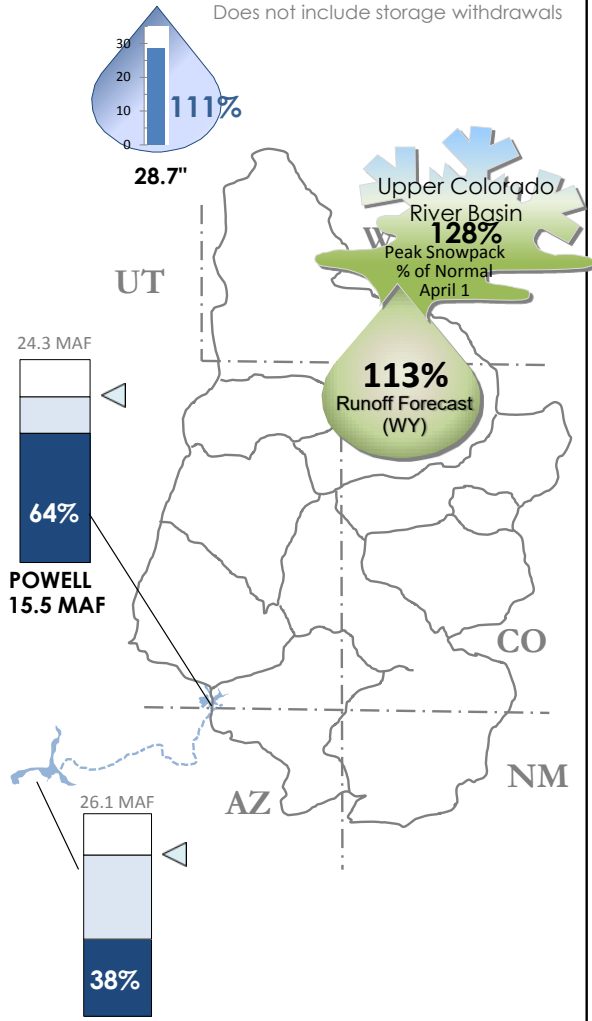
SAMPLE POINT
TOTAL mg/L
OPTIMUM LEVEL 0.7 - 1.3 mg/L








2017 Colorado River

923,000 AF
74% of full CRA






Does not include storage withdrawals

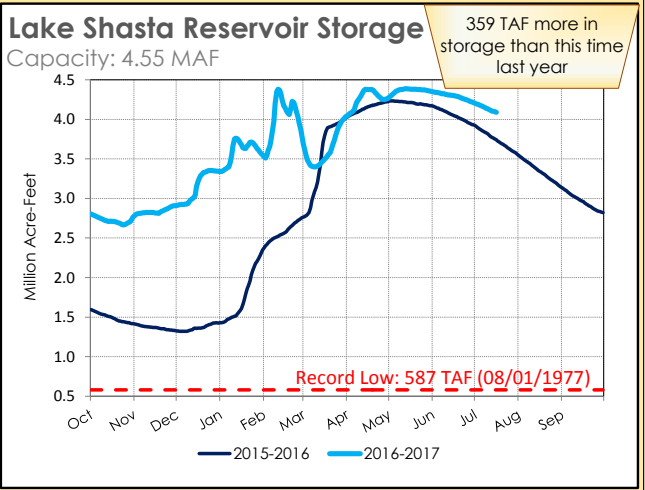
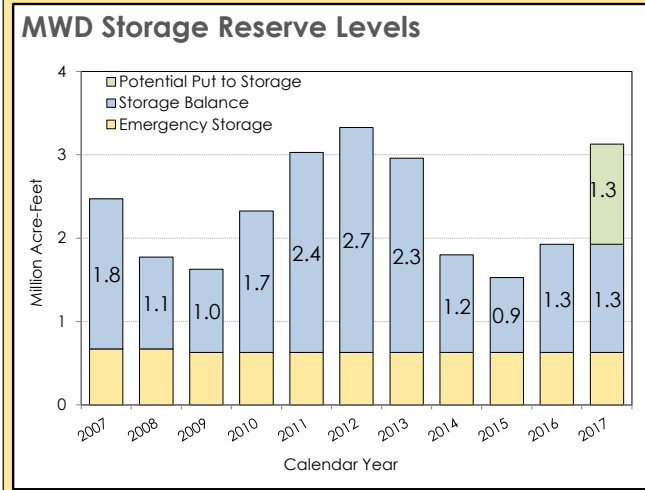
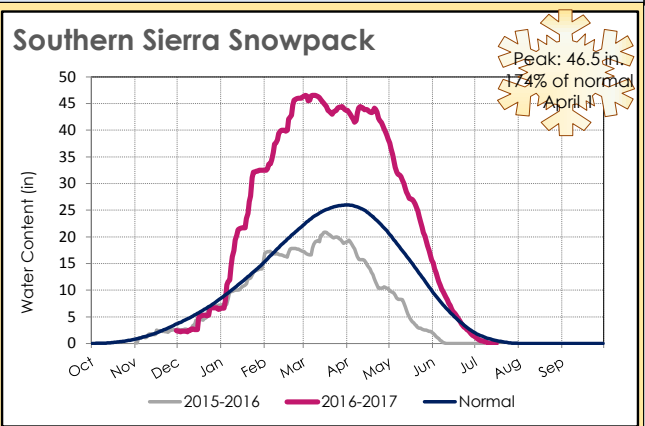
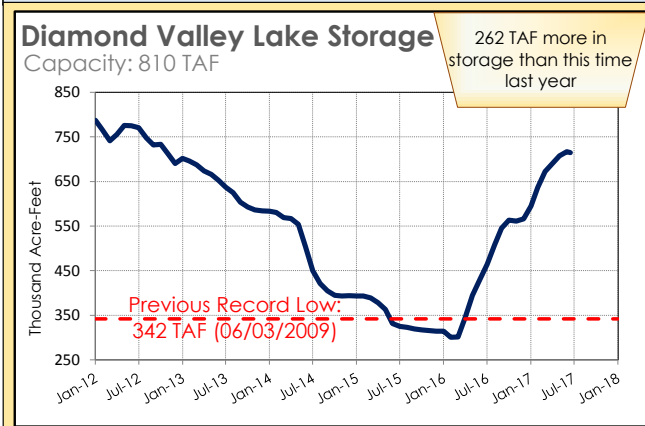


Highlights

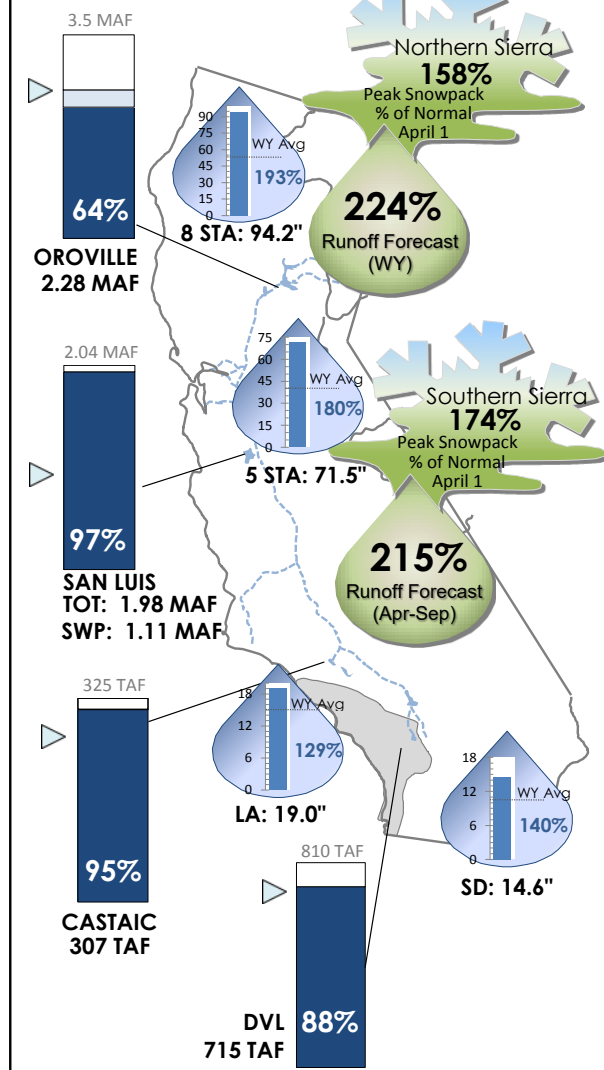
- Oroville Reservoir storage is being held at safe levels as spillway repair work continues
- State share of San Luis Reservoir is full
- Opportunities to store supplies in Diamond Valley Lake are being maximized, with current storage levels above 700 TAF.



2017 SWP Allocation

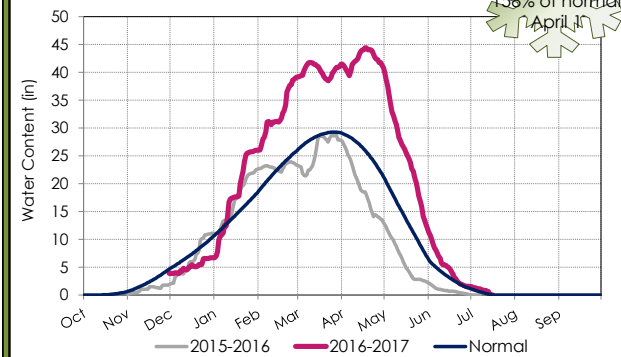
1,624,775 AF
85% of Table A



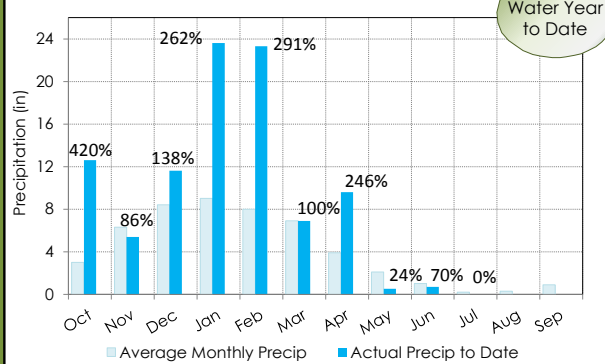
As of: 07/16/2017

State Water Project Resources

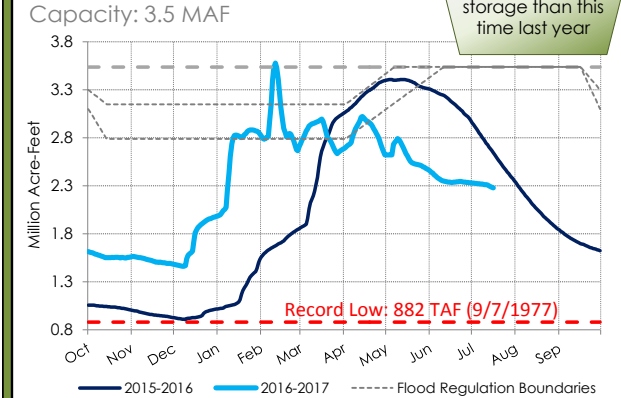
Northern Sierra Snowpack



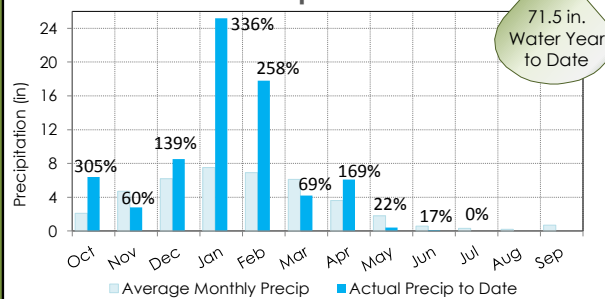
8 Station Index Precip



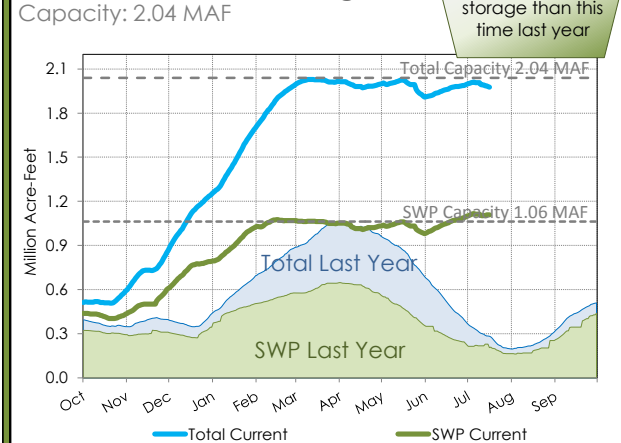
Oroville Reservoir Storage



5 Station Index Precip



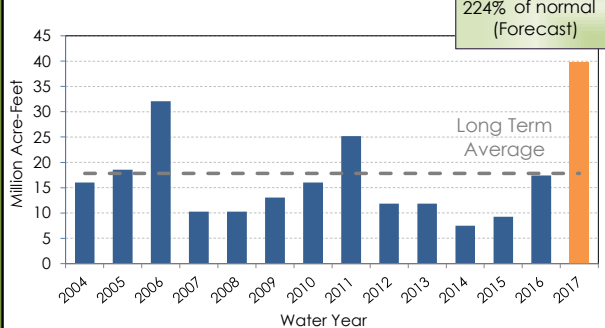
San Luis Reservoir Storage



Other SWP Contract Supplies for 2017 (AF)

Transfer/Exchanges	16,000
Article 21	124,000
Pool A/B (Purchased)	0
Carryover Supplies	200,000

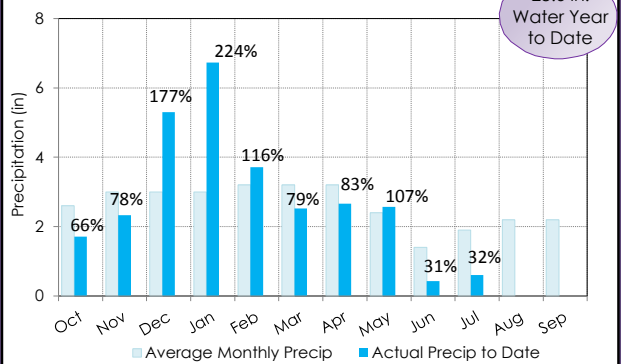
Sacramento River Runoff



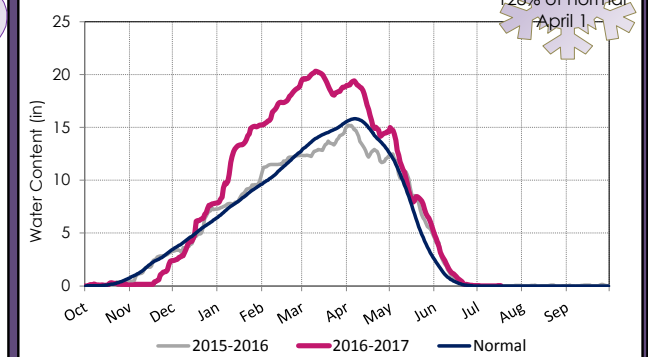
Colorado River Resources

As of: 07/16/2017

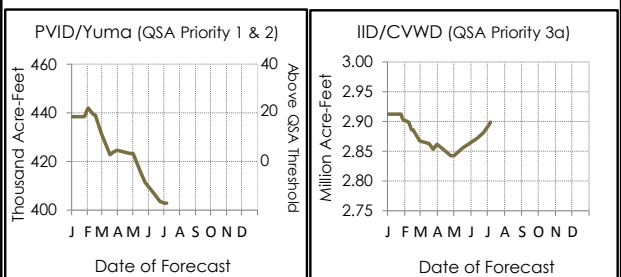
Upper Colorado Basin Precip



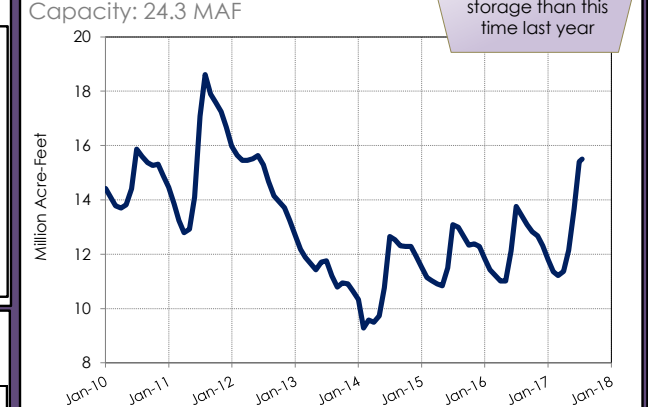
Upper Colorado Basin Snowpack



2017 Colorado River Ag Use



Lake Powell Storage

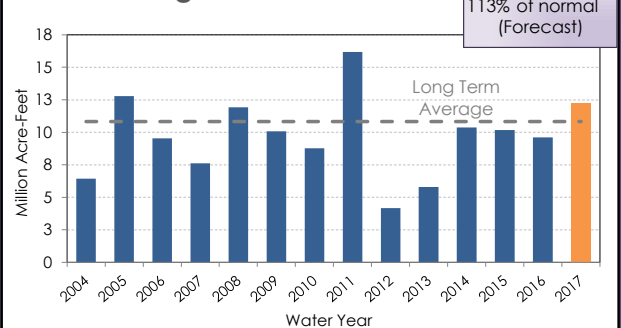


Lake Mead Shortage/Surplus Outlook

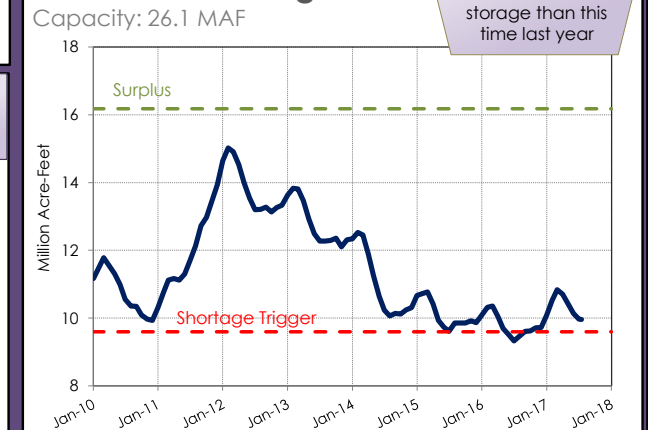
	2018	2019	2020	2021	2022
Shortage	N	31%	32%	34%	39%
Surplus	0%	5%	13%	18%	21%

Likelihood based on results from the April 2017 USBR MTOM/CRSS model run. Chance of shortage for 2018 is "N" - Negligible.

Powell Unregulated Inflow



Lake Mead Storage



Weekly Water Quality System Status

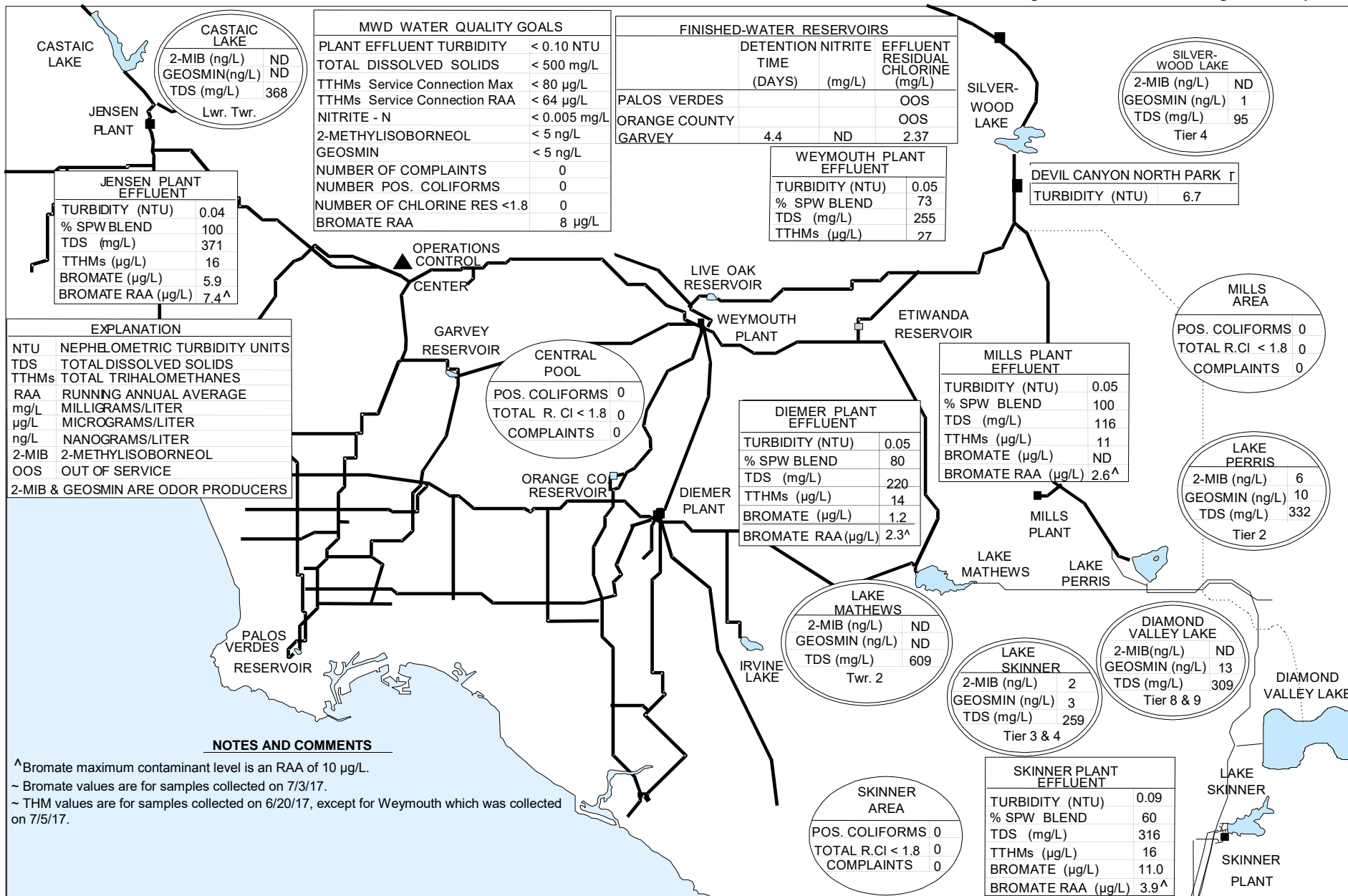
Wednesday, July 12, 2017

Printed On: 7/12/2017 10:59:26 AM



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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



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

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



Memorandum

DATE: July 13, 2017
TO: Member Agencies – MWDOC 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 MWDOC, and selected water supply information.

- Fig. 1 OC Water Usage, Monthly by Supply OCWD Groundwater water was the main supply in May.
- Fig. 2 OC Water Usage, Monthly, Comparison to Previous Years Water usage in May 2017 was slightly below average compared to the last 5 years but was higher than in May of 2015 and 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 MWDOC agencies.
- Fig. 3 Historical OC Water Consumption OC water consumption is projected to be 523,000 AF in FY 2016-17 (*this includes ~15 TAF of agricultural usage and non-retail water agency usage*). This is about 31,000 AF more than FY 2015-16 and is about 48,000 AF less than FY 2014-15. Water usage per person is projected to be slightly higher than in FY 2016-17 for Orange County at 147 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.

MWDOC “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.

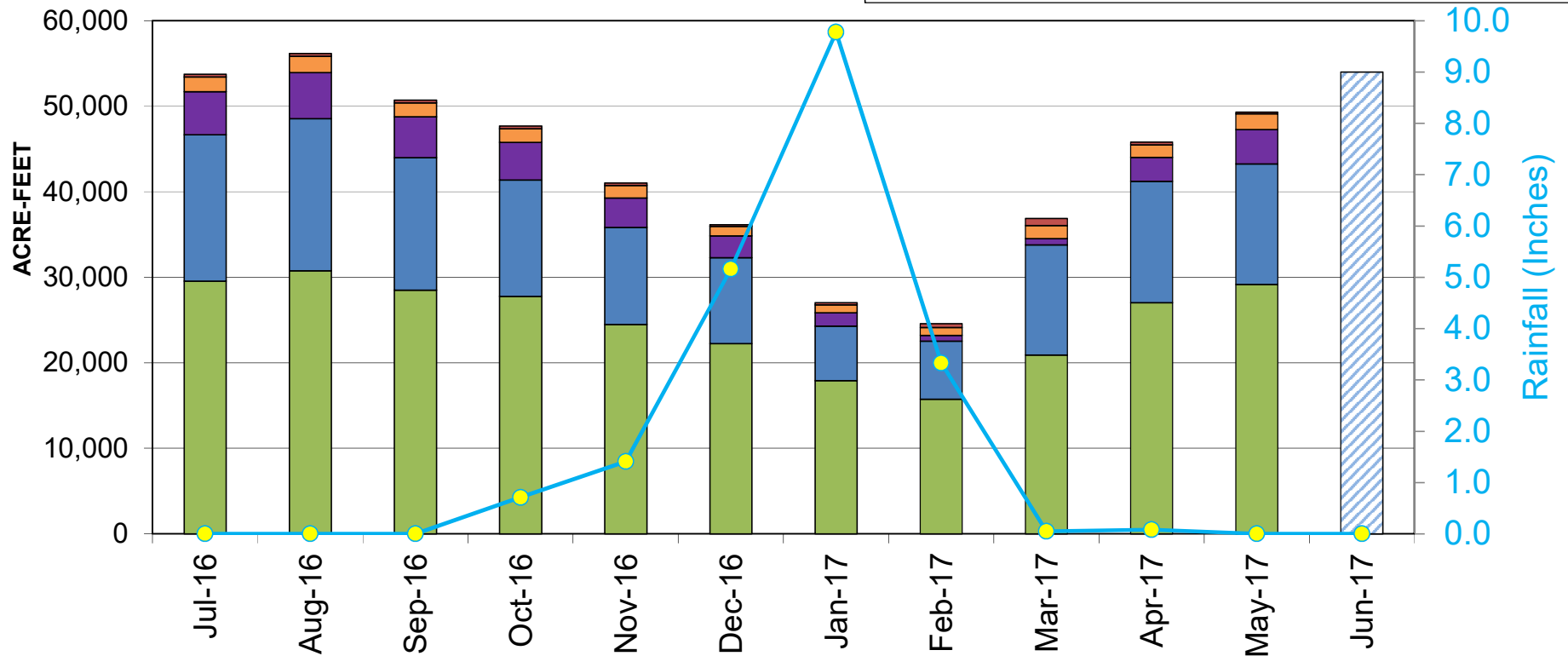
Water Supply Information Includes data on: Rainfall in OC; the OCWD Basin overdraft; Northern California and Colorado River Basin hydrologic data; the State Water Project (SWP) Allocation, and regional storage volumes. The data has implications for the

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 June was well above average for this period. Orange County has had below average rainfall for the past 5 hydrologic years.
- Northern California accumulated precipitation through June was around 195% of normal for this period. June 2017 rainfall was average for that month and the region is seeing the wettest water year on record. The Northern California snowpack is 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 late April drought conditions have improved significantly and only 8% of California is still suffering from moderate or severe drought. The State Water Project Contractors Table A Allocation has increased to 85% as of the end of April.
- Colorado River Basin accumulated precipitation through June was 111% average for this period. The Upper Colorado Basin snowpack was 152% of normal as of May 22nd. This follows five below-average hydrologic years; the Colorado River Basin is in the recovery of a long-term drought. Lake Mead and Lake Powell combined have about 67% 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 for the Lower Basin states. As of late June Lake Mead levels were 7' 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] MWDOC'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

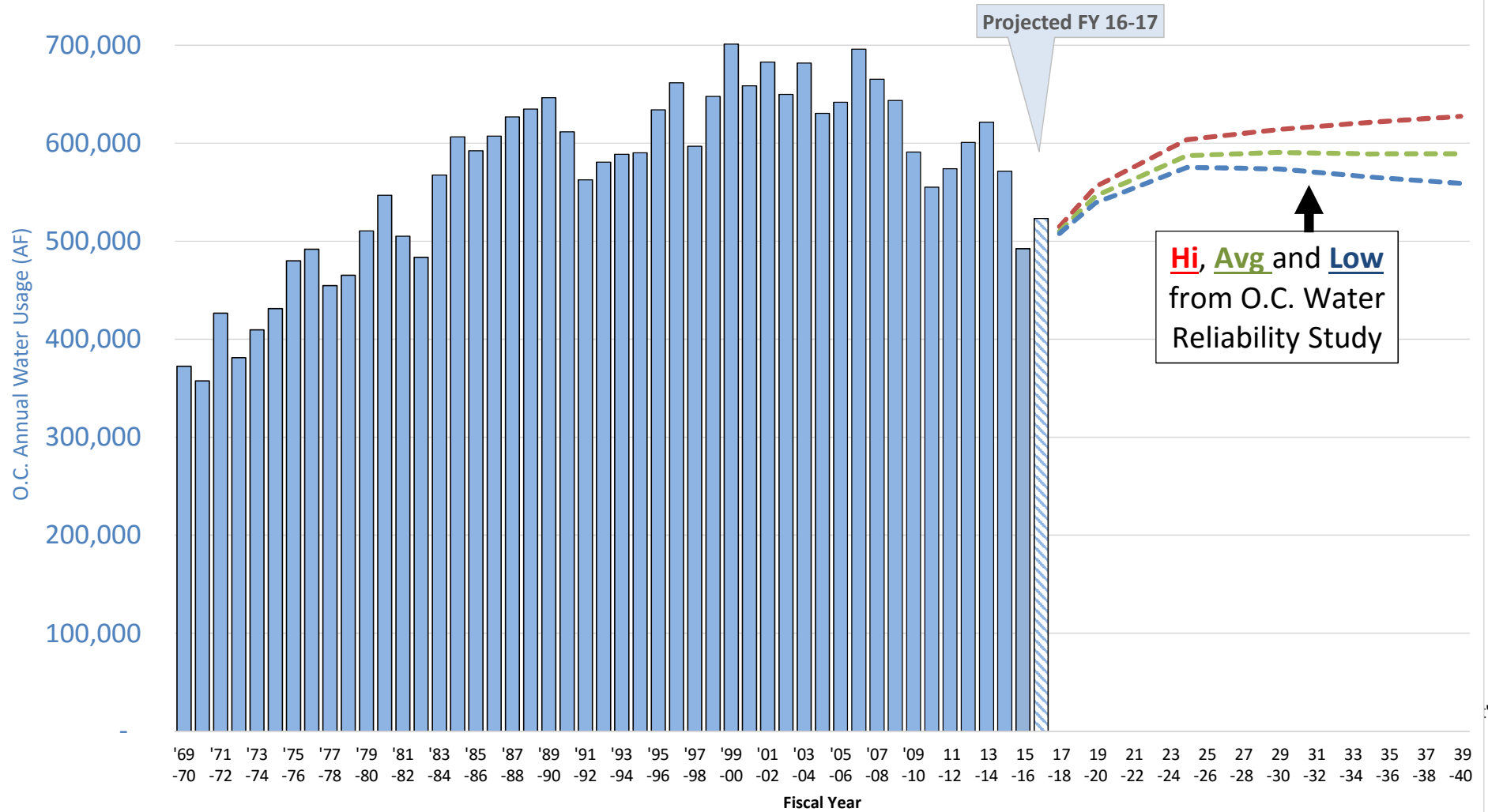
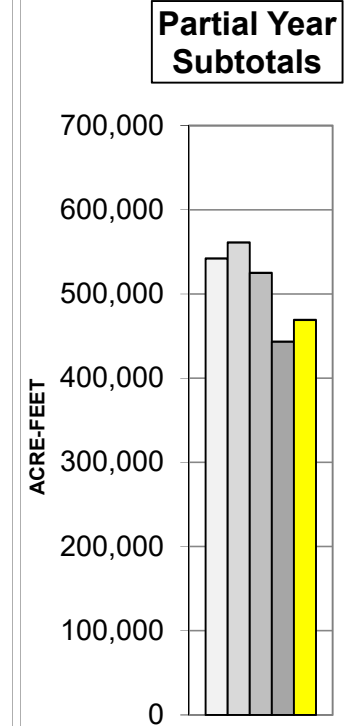
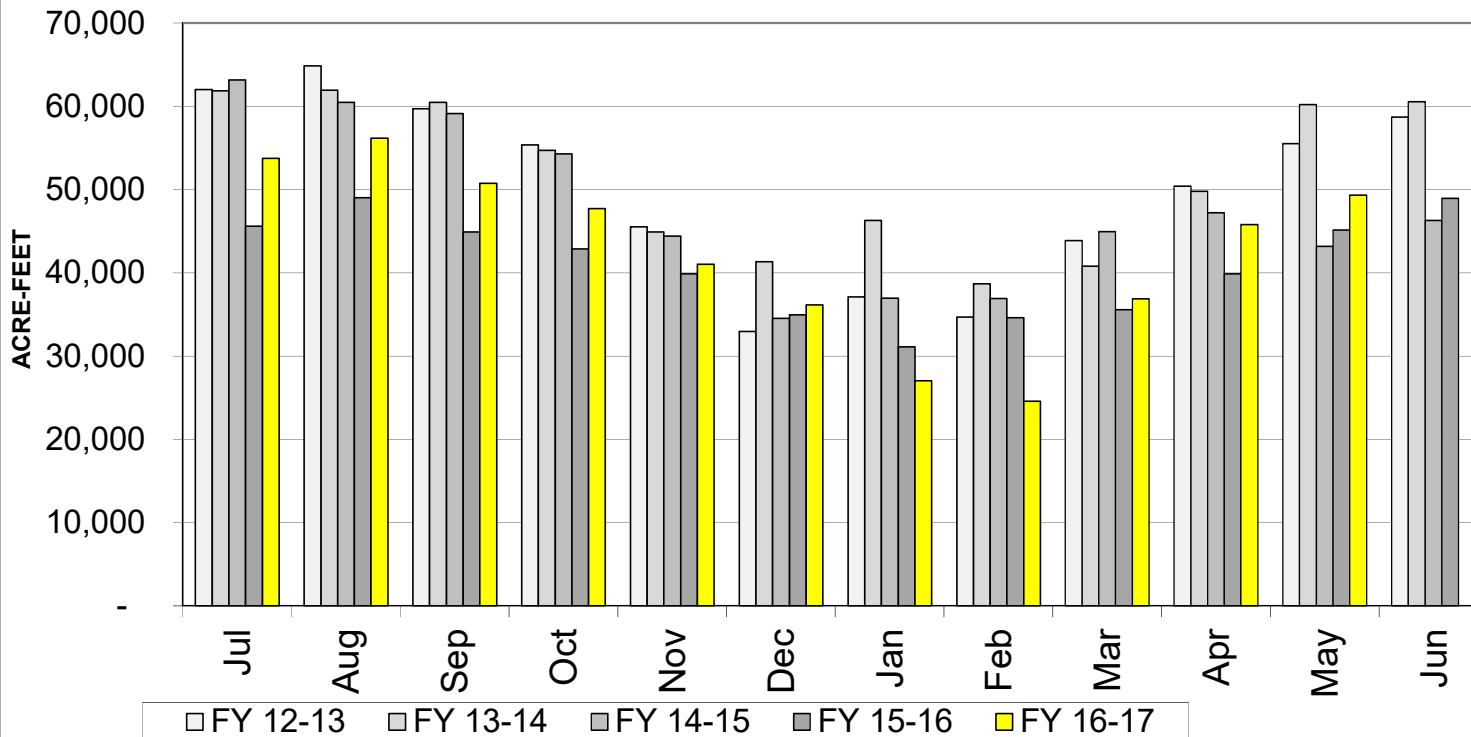


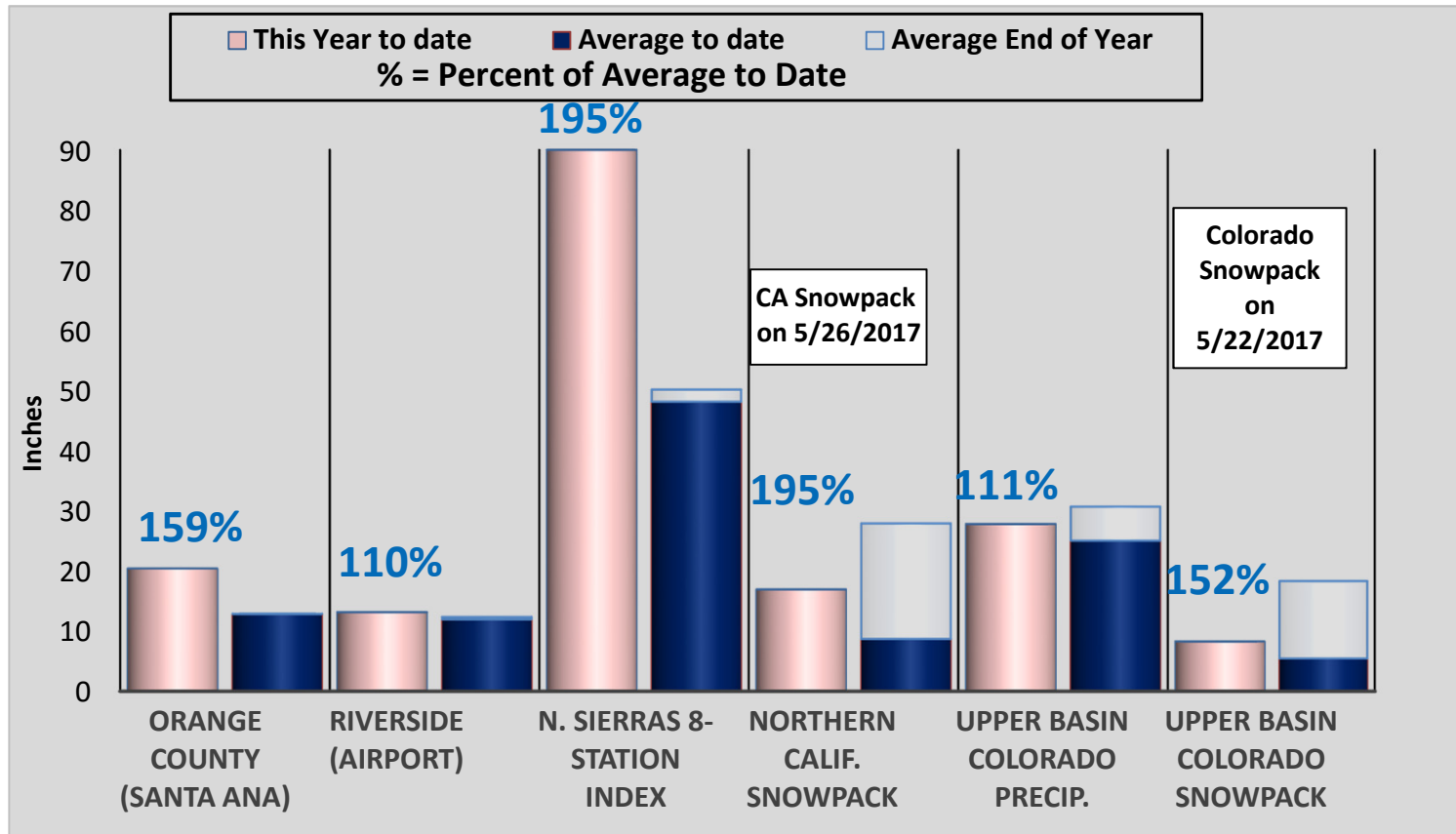


Fig. 2A OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years



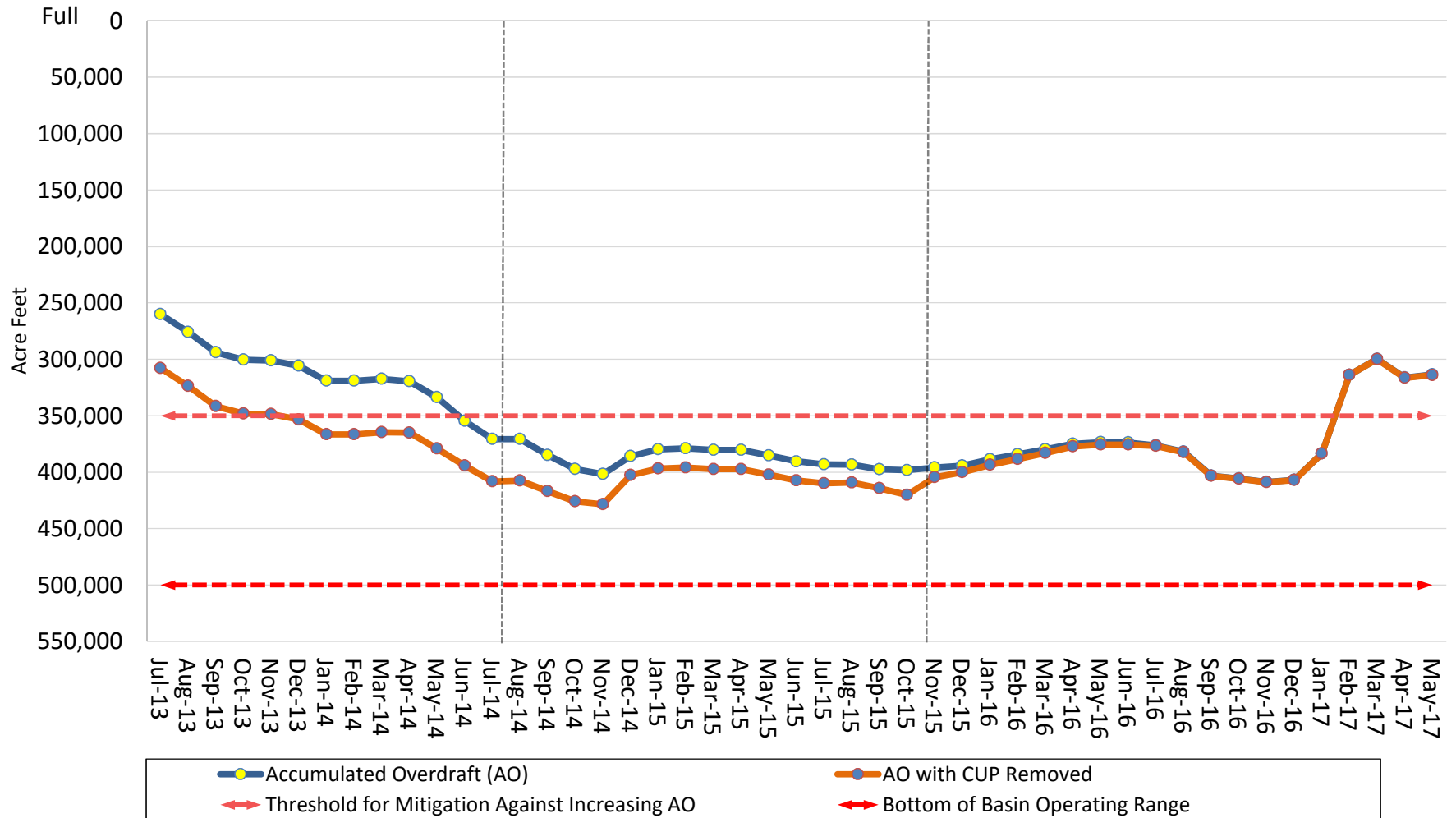
[1] Sum of Imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water; excludes GWRS production, groundwater pumped to waste, and waste brine from water treatment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

Accumulated Precipitation for the Oct.-Sep. water year, through June 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 May 2017

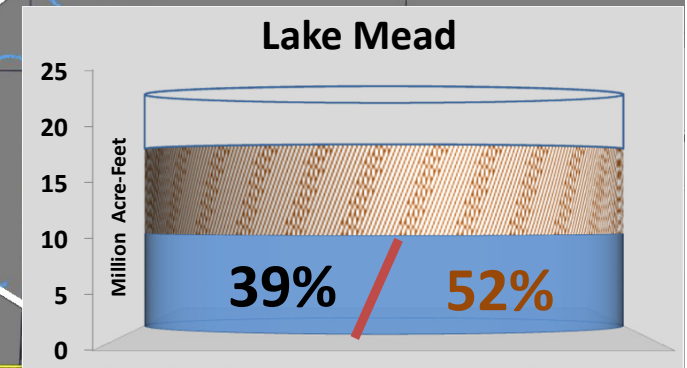
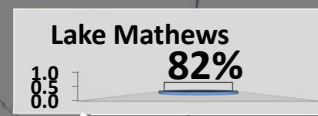
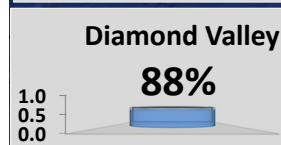
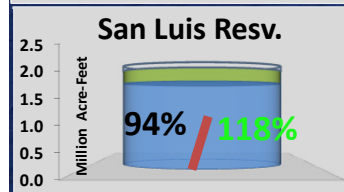
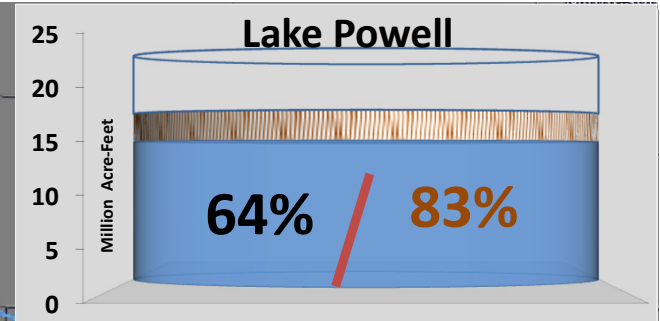
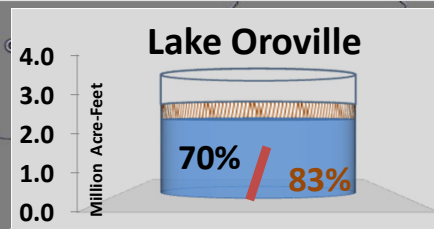
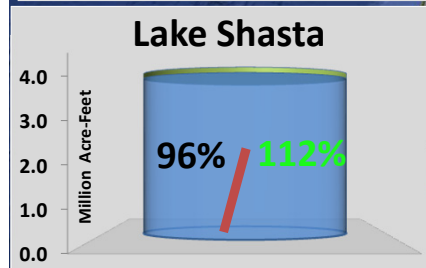


	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
AO (AF)	393,062	393,310	397,441	398,116	395,923	394,176	388,571	384,332	379,876	374,994	373,576	373,784
AO w/CUP removed (AF)	409,934	409,934	414,215	420,145	404,421	400,033	393,463	388,409	382,993	377,233	375,634	375,506
	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	
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	



State Water Project, Colorado River, and MWD Reservoir Storage

as of May, 28th 2017

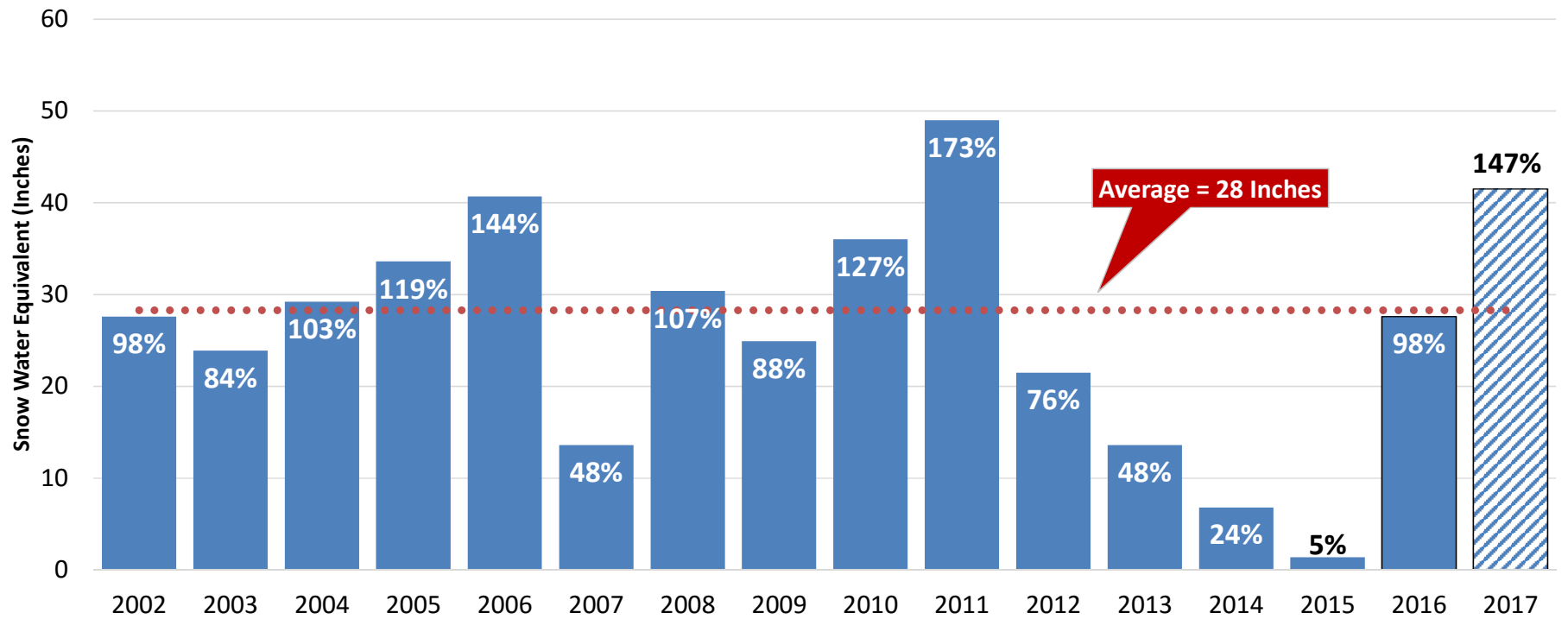


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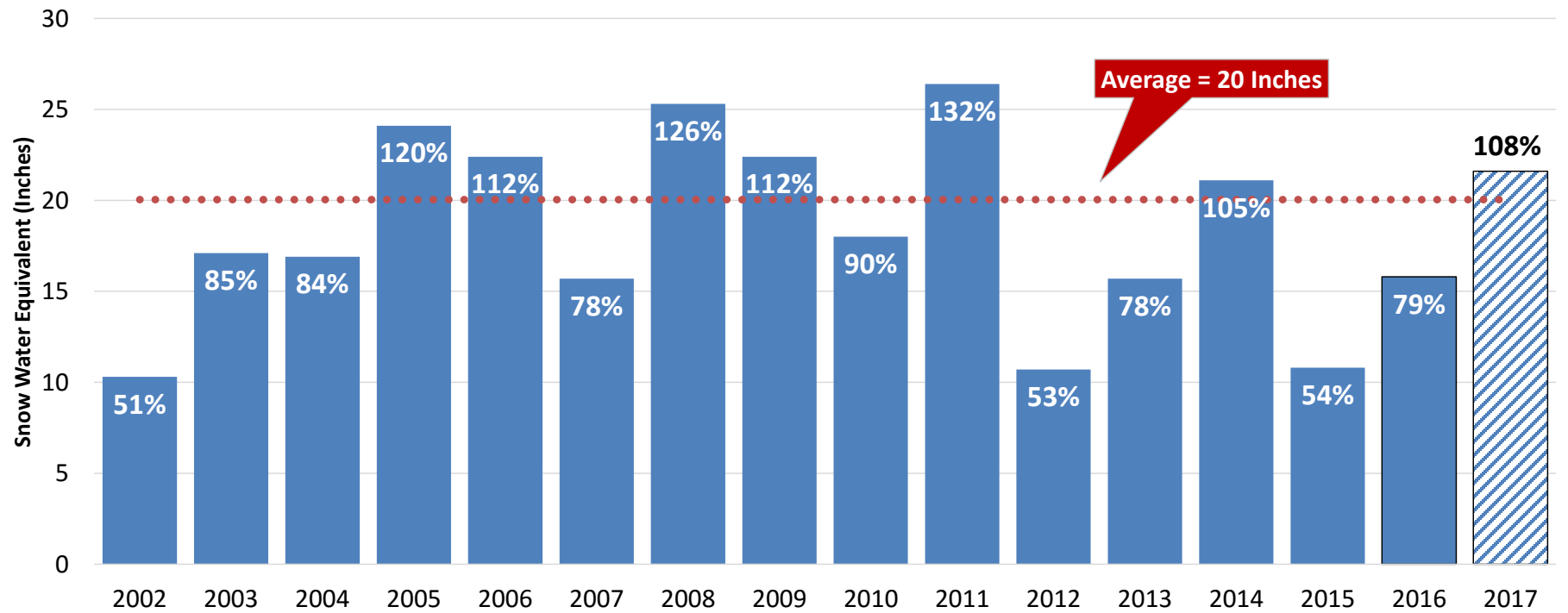


prepared by the Municipal Water District of Orange County
*Numbers are Subject to Change

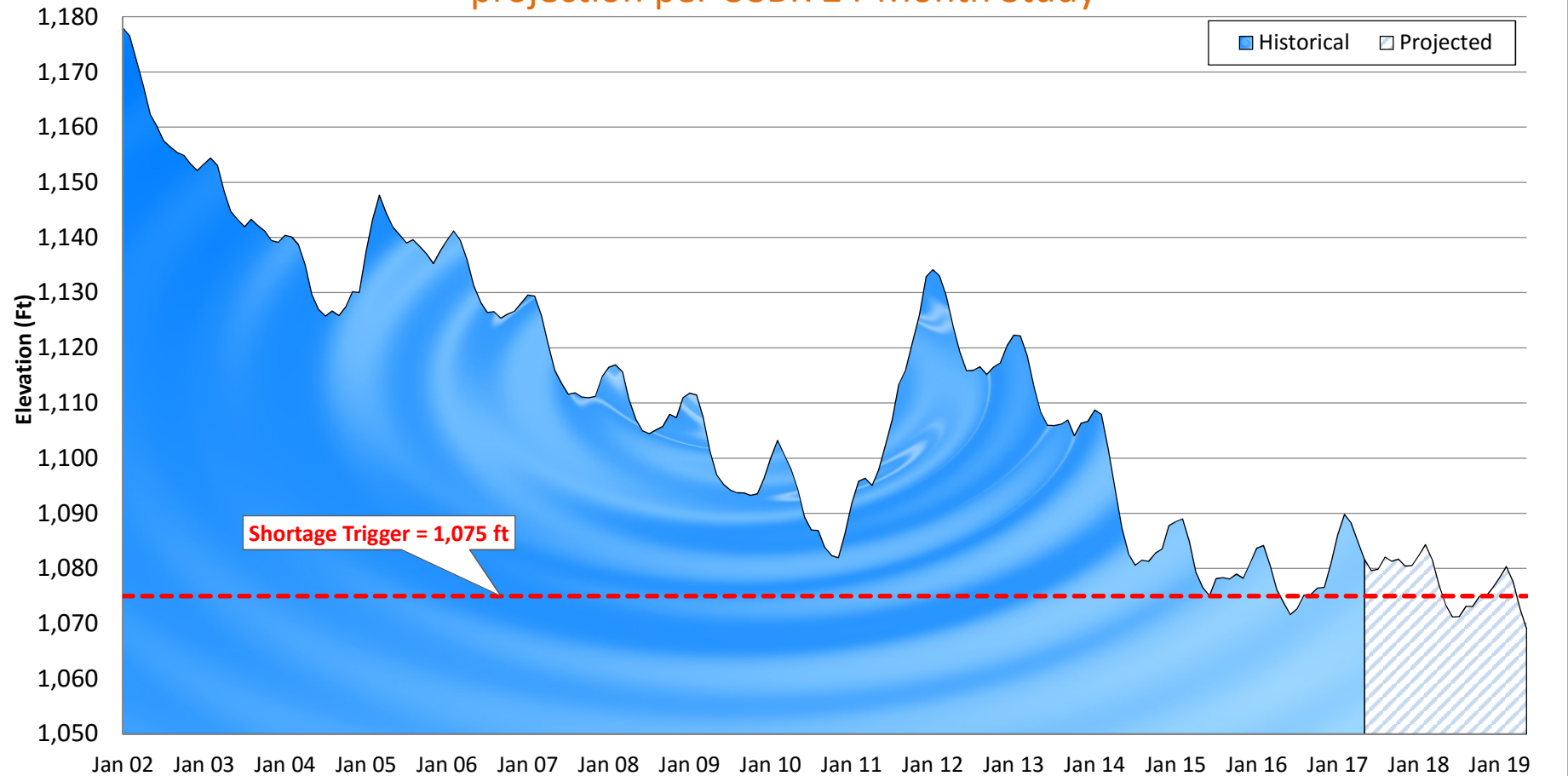
Historical Northern California April 1st Peak Snow Water Equivalent



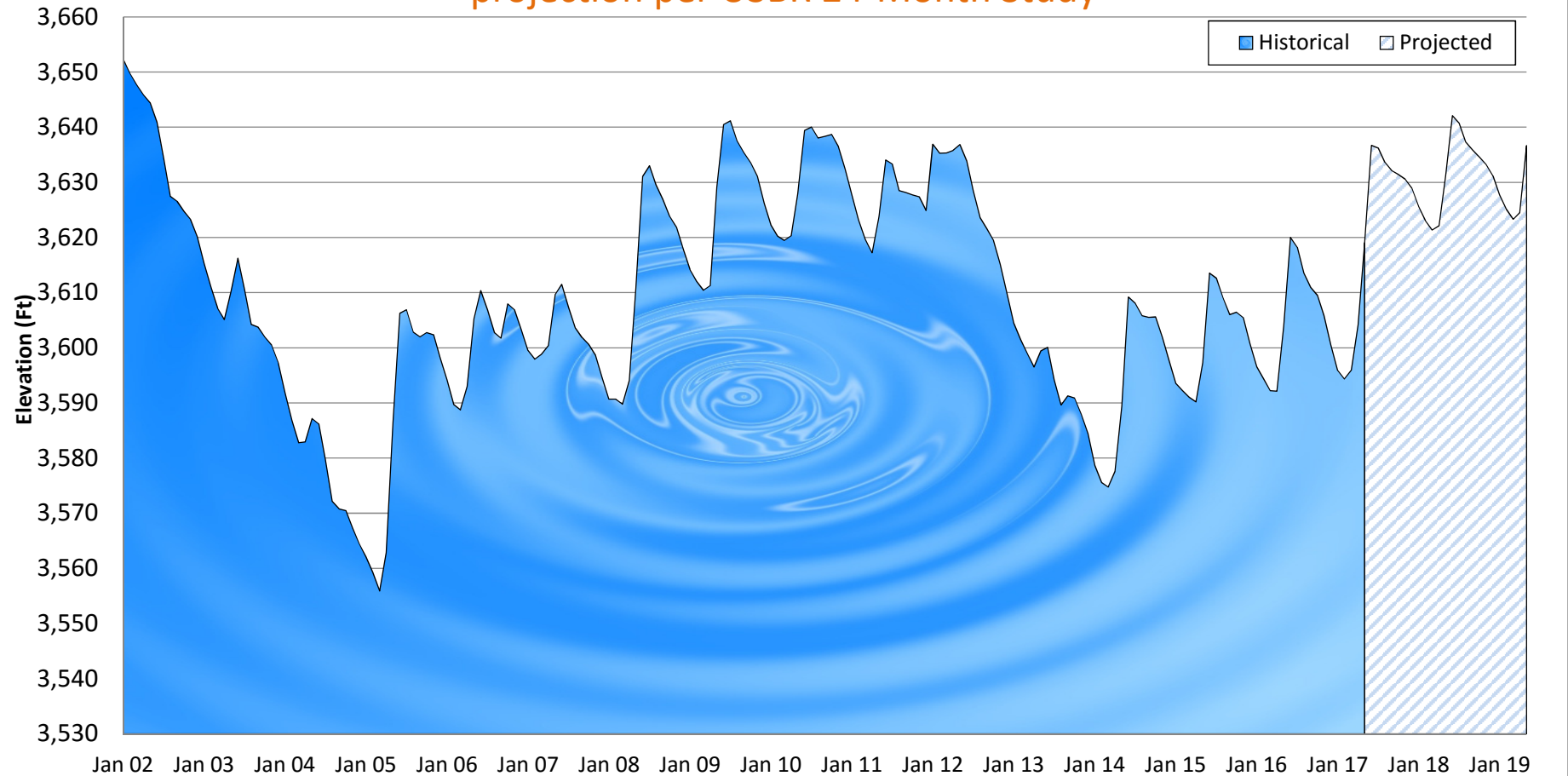
Historical Colorado Basin April 15th Peak Snow Water Equivalent



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

(June 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
8/3/16	Raintree Realty, LLC	Adult Day Services	ND	24260 El Toro Rd.	Issued	8/16/16
6/28/16	MPG FUND X LAGUNA HILLS, LLC	Ruby's Diner Laguna Hills Mall	ND	24155 Laguna Hills Mall, #1840	Issued	8/17/16
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

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			0	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			0	0	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			0	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	0	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				0	1,220	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
											0	0	15	3,320	
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								

El 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
Total	20,175.90	111.60	14,783.12	105.97	-5392.78	-27%	68.36%	9,965.77	88	974.76	2,511.91

Bob Hill

From: SWRCB Office Research, Planning & Performance <drinc@waterboards.ca.gov>
Sent: Wednesday, July 12, 2017 10:23 AM
To: Bob Hill
Subject: Monitoring Report Acknowledgement for 0617

Hello Robert Hill,

Thank you for your Monitoring Report. Below is the information you have submitted for the month of 0617. If this information is incorrect, please 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	0617
Stage/Mandatory	None No
Days Outside Irrigation	
Total Potable Water Production	734.87 AF
2013 Same Month Production	996.66 AF
CII Water	84.73 AF
Commercial Agricultural Water	0 AF
Commercial Agricultural Water 2013	AF
Recycled Water	168.67 AF
Non-revenue Water	AF
Residential Use Percentage	67.01 %
Population	48628
Estimated R-GPCD	110
Number Complaints	7
Number Follow-ups	7
Number Warnings	0
Rate Penalties	0

Other Penalties

0

Enforcement Actions

Actions Taken

Restricted allowed outdoor irrigation
times

Implementation Comments

Qualification

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



(WRP) Tertiary Treatment Plant

Jun-17

Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.427	1.344	0.061	1.832
Total Q MG	12.807	40.332	1.822	54.961
Total Acre Feet	39.300	123.774	5.592	168.666



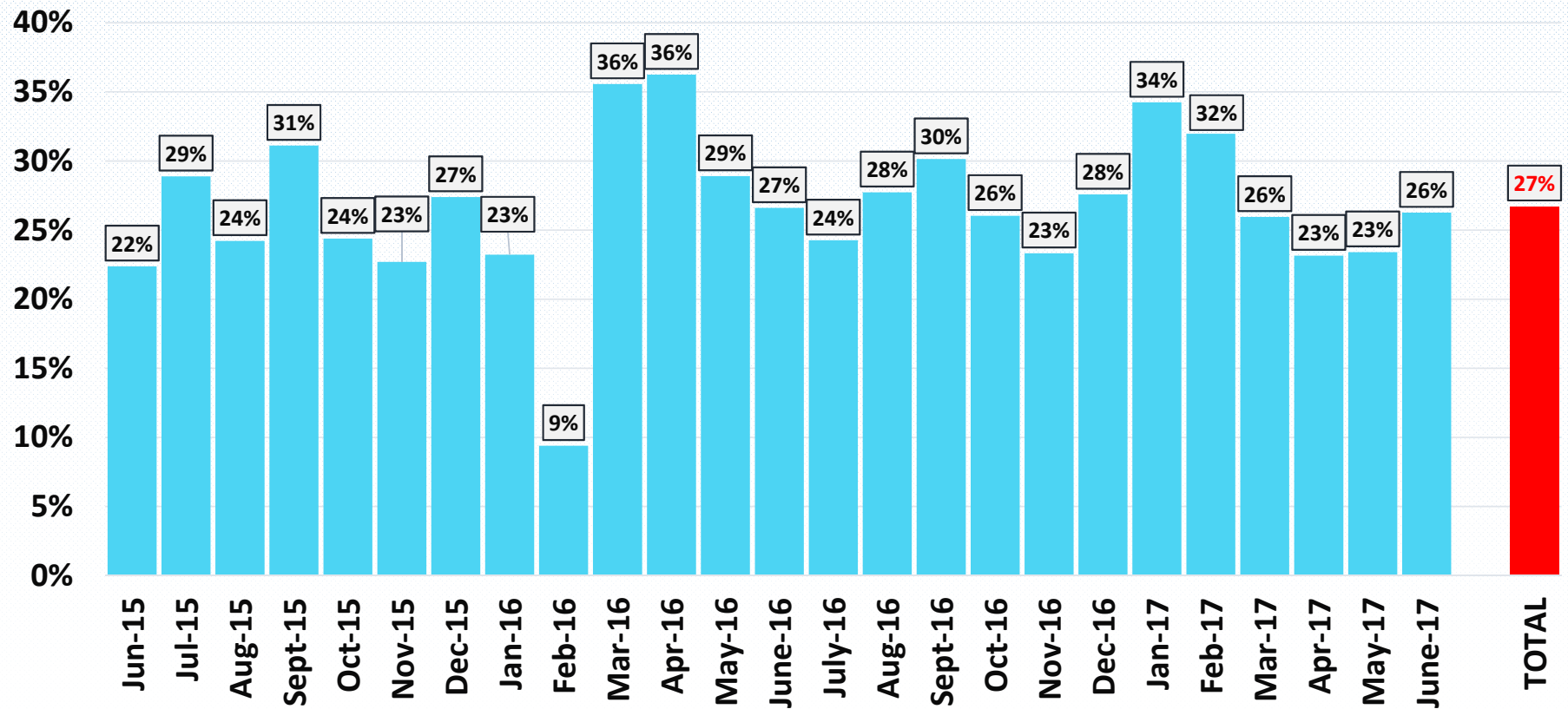
Customer Service Drought Log

June 2017

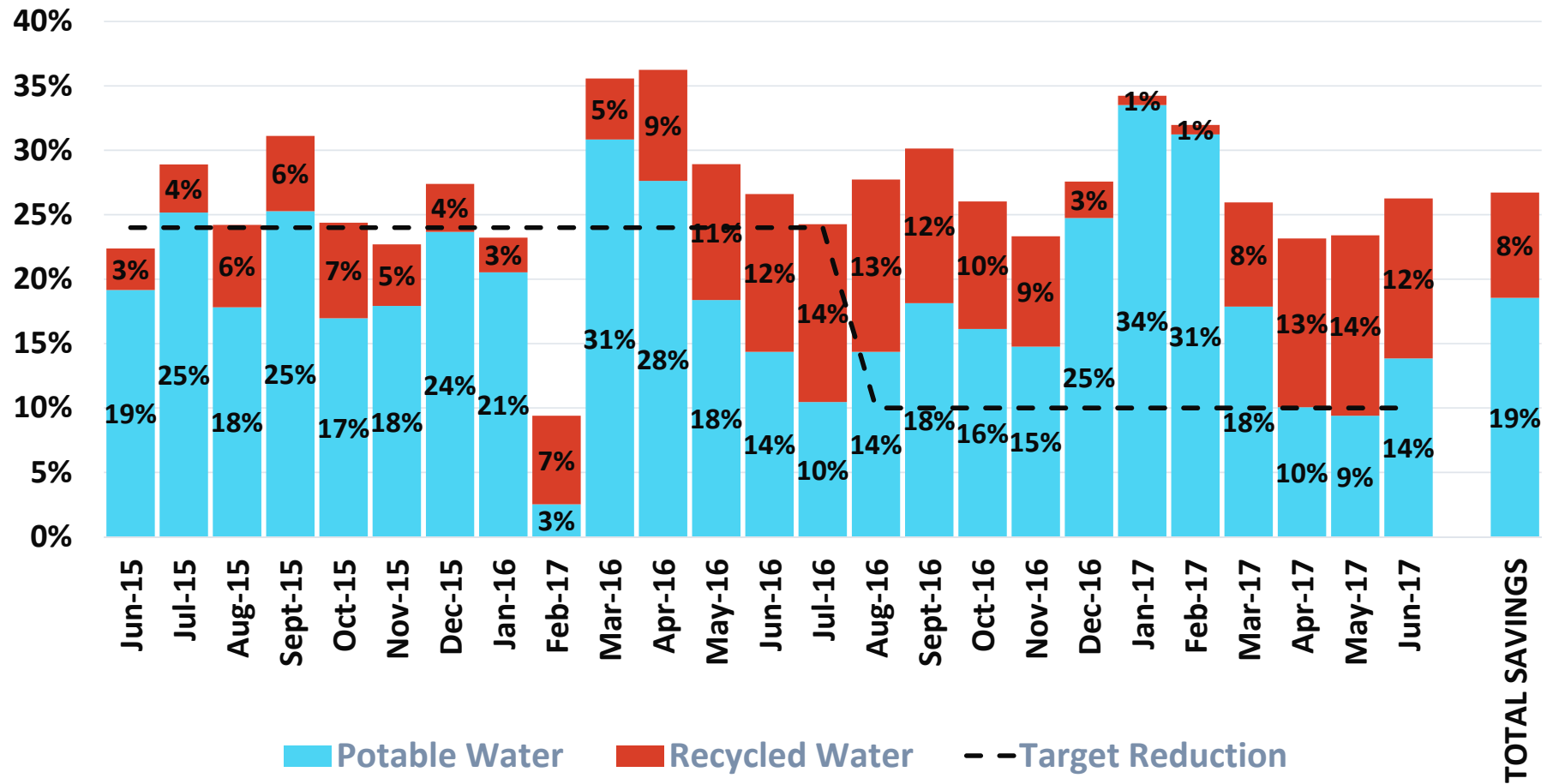
Complaint Date	Source	City	Drought Response Level	General Comments	Location Details	Office Comments	Office Actions	Field Comments	Field Actions	Violation Types	DRType
6/28/17	Email	LH		Per phone call from Chadia Aboukhalili with U.S. Storage. 949-748-5928. LI	Near black box by a tree.	Water is coming up in the sidewalk near a black box by tree. LI		Verbally notified Ryan Handley at the City of Laguna Hills. Ryan is on his way out to investigate. Complete 6-30-17 RHazard		Excess runoff	Water Waste Complaint
6/27/17	Email	Mission Viejo		I called Roman on call to check it out for us. LI	Directly accross from O'Reilly Auto Parts. li	Or broken hydtant per email. Water was shooting straight up into the air. li		Verbally notified M.N.W.D. M.N.W.D. said they already notified Caltrans. Complete RHazard		Broken sprinkler or pipe	Water Waste Complaint
6/22/17	Email	Laguna Hills		Email sent 5/18/17. Did not receive until L 6/21/17. LI	Parking Lot	Per email: "lot of water going clear across the parking lot from west to east from watering their islands with tree in em." LI		Left voicemail with Store Manager Sal Aranda. Complete RHazard		Excess runoff	Water Waste Complaint
6/22/17	Email	Laguna Hills		Email sent 5/18/17. Did not receive until 6/21/17. LI	From church down El Toro Rd	Per email: "water running down El Toro some nights." LI		Left voicemail with Church employee Laura MCallum. Complete RHazard		Excess runoff	Water Waste Complaint
6/22/17	Email	Laguna Hills		Email sent 5/18/17. Did not receive until 6/21/17. li	Gate 11	PER EMAIL: "Laguna Woods Village waters too soon before a rain and too soon after"		Notified L.W.V. Property Services by voicemail. Complete RHazard		Excess runoff	Water Waste Complaint
6/19/17	Email	Laguna Woods		I will send our technician.MS	Excess runoff	A gusher coming out of a brick planter on left side of the garage.MS		Notified Laguna Woods Village Property Services by voicemail. Complete RHazard	Other (see OA comments)	Excess runoff	Water Waste Complaint
6/1/17	Email	Mission Viejo		Sent email to customer. We will send our technician and investigate the excess runoff.MS	Fire hydrant leaking. Excessive runoff	Water leak adjacent to a fire hydrant in the street and crack in the road.Front of CVS.MS	Other action	This is a ongoing investigation being conducted by E.T.W.D. Operations Dept. Still looking for source of water. RHazard		Excess runoff	Water Waste Complaint

7 Water Waste Complaints
0 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
July 11, 2017

The Race to the August Recess

Senator McConnell has just announced late today that he will keep the Senate in session the first two weeks of August—delaying the August Recess by 12 days. This will mean that there will be 23 legislative days until the beginning of the August Recess—and Congress has much to do.

Leading the agenda is the consideration of the Senate Health Care bill and likely a Debt Limit Extension.

At press time here Senator Mitch McConnell, the Senate Majority Leader, told senators this week that the Senate will vote on the Obama Health Care Law repeal next week and urged senators to use the bill's open amendment process to alter the bill to suit their concerns.

Meanwhile Senator Lindsey Graham (R-SC) is convening a group of senators this week to write a new bill to replace Obamacare, frustrating McConnell's attempts at unity even further.

Gridlock has entered a whole new stage here in Washington, as the GOP led Congress has yet to take up an Infrastructure Bill and Tax Reform or pass any significant piece of legislation this year. The process to confirm the heads of various federal agencies has also become stalled.

On the matter of federal taxes, Tax Reform hearings are taking place in both the House and the Senate and there is a belief that there will be a serious effort of reforming portions of the current tax code. Among other proposals widely discussed-- doing away with all itemized deductions *except mortgage interest and charitable contributions*. Most notably, under this proposal itemized deductions for state and local taxes would

go away. More on tax reform in the months ahead.

The Congress is waiting for the Trump Administration to come forward with a detailed Infrastructure program and a suggested bill.

Congress is in the process of passing its 12 different appropriations bills. These bills need to be passed by September 30th—the end of the fiscal year. As we have seen in recent years, it is expected that we will have a Continuing Resolution pass until the December period at which time we will likely see a number of separate spending bills pass or a larger Omnibus Appropriations bill pass. To date, the Congress is on a path to reject most of President Trump’s recommended cuts in federal agencies. The process to mark up the various spending bills has just begun.

As far as Water Related Appropriations Matters:

The House Energy and Water Appropriations Subcommittee marked up its FY18 Bill on June 28th. It included an slight decrease over the FY2017 Funding bill and a major increase over President Trump’s FY Budget Submission.

Of note, the bill includes \$83 Million for water storage, desalination and water recycling and reuse projects authorized under the WIIN (WRDA) Act that passed seven months ago. The exact manner in which the \$83M will be dispersed will be determined after the bill is signed into law. The bill's “Report” which includes an explanation and specific details of the funding bill has not been released as of yet—it is expected to be released after the full committee marks up this bill. The Report contains specific details about the funding provisions, including directions regarding certain accounts. The U.S. Senate’s companion panel has not marked up its bill yet. Typically, the House panel’s numbers are lower than the Senate’s.

MWDOC representatives have had a series of meetings with key committee and personal staffers regarding the Environmental Infrastructure provisions in the Energy and Water Appropriations bills. We are actively seeking either Report Language in the Appropriations documents or having key offices send letters or make telephone calls on this matter.

Summary of the subcommittee draft of the fiscal year 2018 Energy and Water Appropriations bill follows:

The bill totals \$37.56 billion – \$209 million below the fiscal year 2017 enacted level and \$3.65 billion above the President’s budget request.

The bill provides strong national security investments, including increases above fiscal year 2017 for nuclear weapons programs. The bill also protects funding for critical national and regional waterways – which handle commerce valued at more than \$2 trillion annually – through the Army Corps of Engineers, and programs that encourage energy independence and economic competitiveness.

Bureau of Reclamation – The legislation contains \$1.24 billion – \$79 million below the fiscal year 2017 enacted level and \$132 million above the President’s request – for the Department of the Interior and the Bureau of Reclamation to help manage, develop, and protect the water resources of Western states. The bill includes \$83 million for the second year of funding for water storage, desalination, and water recycling and reuse projects authorized in the WIIN Act.

Army Corps of Engineers – The Army Corps of Engineers is funded at \$6.16 billion, an increase of \$120 million above the fiscal year 2017 enacted level and \$1.16 billion above the President’s budget request. The bill focuses funding on activities that will have an immediate impact on public safety, job creation, and economic growth, including those that help increase the functionality of our ports and waterways. For example, the bill provides:

- \$2.8 billion for navigation projects and studies, including \$1.34 billion in funding from the Harbor Maintenance Trust Fund and full use of estimated annual revenues from the Inland Waterways Trust Fund, to help advance American competitiveness and export ability; and
- \$1.8 billion to support public health and safety by funding flood and storm damage reduction activities, an increase of \$74 million above fiscal year 2017 and \$424 million above the budget request.

Key Water Issues:

The Water Fix Issue—

In late June, the U.S. Fish and Wildlife Service and the National Marine Fisheries Service said that the \$15.5 Billion Tunnels Project at the Sacramento-San Joaquin Delta is not likely to jeopardize the continued existence of the Delta Smelt, the Chinook Salmon or other threatened species.

The release of the biological opinions means the environmental reviews of the project are essentially over. The State of California had previously signed off on their

approvals in December 2016.

Preliminary construction could begin as early as next year but as was widely expected, environmental groups sued the Trump Administration claiming the federal decision ignored “best available science”.

The entities who have sued in a Northern California federal district court to stop the tunnels from going forward are: The Golden Gate Salmon Association, the Natural Resources Defense Council, Defenders of Wildlife and the Bay Institute.

Turf Rebate Issue:

Senator Feinstein introduced her long awaited Water Conservaton Tax Parity Act, S. 1464, on June 28th, the Short Title seen here *“A bill to amend the Internal Revenue Code of 1986 to expand the exclusion for energy conservation subsidies provided by public utilities to include subsidies provided by public utilities and State and local governments for water conservation and storm water management.”* Also co-sponsoring the bill were the following Senators: Heller (R-Nev), Bennet (D-Co), Gardner (R-Co). MWDOC staff have been active is encouraging the introduction of this legislation. On the House side, top leadership staff have advised MWDOC that they believe that the House could include IRS relief language in the upcoming Tax Reform Bill.

EPA Funding Cuts:

House appropriators released an EPA spending bill late today that would cut the Environmental Protection Agency’s (EPA) budget by \$528 million next year, far less than the ***\$2.6 billion cut*** President Trump requested. President Trump had recommended a 32% cut in spending at the EPA.

The legislation would include language requiring the repeal of water jurisdiction regulations, and include funding for buy-outs at the agency. The House funding bill does not include the deep cuts Trump proposed in May, when administration officials said they wanted to end 50 department programs and eliminate 3,200 of the agency’s 15,000 jobs. The Senate has yet to act on their bill.

WIFIA Funding Update:

The Environmental Protection Agency on June 28, 2017 announced the fees associated with the second phase of a WIFIA Loan. \$100,000 for entities unless it is a rural entity and an rural entity would have a \$25,000 application fee. The Federal Register announcement includes the following statement:

"These fees will be required at the time of submission of the application, and the application will not be reviewed without fee payment. Because EPA will only invite projects to submit an application and application fee if the project is reasonably expected to proceed to closing, no applicant would pay a fee without a reasonable expectation that the project could receive funding."

Here is a link below with the full announcement:

<https://www.federalregister.gov/documents/2017/06/28/2017-13438/fees-for-water-infrastructure-project-applications-under-wifia>

Trump Administration Key Appointments:

On June 27th, President Trump announced that he would tap Brenda Burman to be the next Commissioner of the Bureau of Reclamation. Ms. Burman has previously worked in the U.S. Senate, MET and the Salt River Project. She also previously worked as the Deputy Commissioner during the George W. Bush Administration.

HR 23, The Gaining Responsibility on Water Act, Sponsored by Congressman David Valadao, (R-Ca Central Valley):

This legislation would reduce the cost of water delivery contracts and amend the 1992 Central Valley Project Improvement Act to give users more authority over how restoration funds are spent. Much of this legislation included portions of the previously passed California Drought House bill that was not included in the final House / Senate negotiated package which became known as S.612.

The legislation goes further than a compromise provision in last year's WIIN Act reached between the House Majority Leader Kevin McCarthy (R-Calif.) and Senator Dianne Feinstein (D-Ca). The goal of the bill is to try and ultimately direct more water to California farm lands. Simply said, it is supported by Central Valley interests and opposed by environmental interests.

The bill is expected to pass the House later this week largely along party lines. Senators Feinstein and Harris issued a press release earlier today announcing their intent to oppose the bill. Inasmuch as both California Senators oppose this bill—it will be difficult for this bill to clear the Senate—unless it was placed into a larger “must pass” package—making it very difficult or impossible for two Senators to block from the Minority Party.

Items of General Interest

Included below is the Press Release that Senator Feinstein issued regarding the Water Conservation Tax Parity Act (Turf Removal IRS Fix).

Senators Introduce Bipartisan Bill to Encourage Residential Water Conservation

Washington, June 28, 2017—Senator Dianne Feinstein (D-Calif.), Dean Heller (R-Nev.), Michael Bennet (D-Colo.) and Cory Gardner (R-Colo.) today introduced the Water Conservation Tax Parity Act—a bill to encourage residential water conservation and stormwater management programs.

Some entities, including public utilities, sewage districts and local governments, currently provide rebate programs for participation in water conservation or stormwater management measures. The bill would exempt the value of these rebates from gross income calculations.

“As Western states recover from a historic drought, making water conservation and management rebates tax-exempt is a commonsense proposal,” Feinstein said. “These programs should be treated the same as energy conservation programs which are already tax-exempt. Water conservation and management are just as important to our environment and economy and intersect with energy conservation. Providing this financial incentive will allow more residents to participate in these vital programs.”

“Nevada is one of the driest states in the nation, so it makes little sense to tax homeowners for using water more responsibly,” Heller said. “Our legislation creates an important exemption for conservation and storm management rebates that will encourage Nevadans to conserve water. Water is a critical resource, and conservation efforts are essential to Western states like Nevada, which is why I want to thank Senator Feinstein for working with me to address this important issue.”

“This bill ensures that homeowners who make smart investments in water conservation aren't unfairly penalized,” Bennet said. “Drought is a serious issue in Colorado. This fix will make it easier for families to save water—something that is good for both our environment and our economy.”

“With massive population growth along the front range, coupled with much of the West being mired in drought, Coloradans know all too well how important it is to conserve water,” Gardner said. “This bipartisan legislation will incentivize Coloradans to save water and reward our local governments for their water conservation efforts. Protecting our environment and growing our economy are not mutually exclusive and I’m proud to introduce this bill that works toward accomplishing both of those goals.”

The bill is supported by a coalition of organizations and public utilities including Western Urban Water Coalition, Alliance for Water Efficiency, American Water Works Association, National Association of Water Companies, U.S. Water Alliance, Western Coalition of Arid States, the National Water Resources Association, WaterNow Alliance and the Association of California Water Agencies.

Congressmen Jared Huffman (D-Calif.) and Dana Rohrabacher (R-Calif.) have introduced similar legislation in the House of Representatives.

###

JCB 7-11-2017



Memorandum

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: July 17, 2017
Re: Monthly State Political Report

Permanent Conservation Regulations/Legislation

There have been two significant developments since last month's report. First, AB 869 (Rubio) dealing with recycled water, which was running on a parallel track from the main package of conservation bills, was pulled from the July 11th hearing of the Senate Natural Resources and Water Committee. This means the bill is dead for the year, but one of the major points of negotiation in the main bill package, which includes AB 1654 by Assembly Member Rubio, is the proper role of recycled water, so the issue isn't going away. During the hearing Committee Chairman Hertzberg made a point of mentioning that incentives for water recycling are a high priority.

The other development is that the administration finally circulated amendments to its trailer bill language, which were adopted in AB 1667 (Friedman). Although many hours have been devoted by the ACWA working group to respond to the administration's language, as a practical matter nothing was decided in last week's hearing. The bill package going into the hearing included AB 1654 (Rubio), AB 1668 and 1667 (Friedman), and AB 1323 (Weber). Prior to the hearing, the Chair announced that three of the bills would move forward as "works in progress." AB 1667, which incorporated the administration's language, was held in committee, but the Chair made clear that holding AB 1667 was not prejudicial to the administration.

The Chair asked the authors and stakeholders to submit letters of concern to the committee by July 21st in order to prepare a single document that tracks the various proposals. BB&K staff will work with MWDOC to prepare a response. In short, "to be continued."



Legislative Update

The deadline for fiscal bills to be passed out of all policy committees was July 15th, and non-fiscal bills must move by the 21st. The Legislature will then go on recess until August 21st, which coincides with the next PAL Committee hearing.

In addition to the water conservative bill package discussed above, **SCA 4** (Hertzberg) will be the subject of discussion over the recess. This is the effort to amend the State Constitution to allow water districts to provide demand-based pricing and lifeline water rates. ACWA and the author are struggling to find language that both can agree to. Hertzberg wants to avoid being too obvious that the purpose of the bill is to get out from under Proposition 218 requirements, but not being obvious enough fails to achieve the stated goal. It is unclear at this time if Hertzberg's public relations objectives can be achieved while satisfying the legal requirements to amendment to the Constitution.

Activity Report

- Appeared at the Joint Legislative Audit Committee at the request of MWDOC to oppose state audit of SOCWA. (6/28)
- Testified in support of the WaterFix at Delta Stewardship Council (DSC) on 6/22. DSC heard amendments to the Delta Plan that were supportive of the WaterFix, but the council made clear that the specific action did not support any one particular project. That said, everyone in the room knew the amendments were consistent with moving forward on the WaterFix and, to the surprise of some, passed with only a single "no" vote.
- Attended ACWA water conservation and long-term efficiency drafting sessions on behalf of MWDOC.
- Attended ACWA's State Legislative Committee meeting (6/30) and lobbyist meetings.

The County of Orange Report

July 11, 2017
by Lewis Consulting Group



The July 12th meeting of Orange County LAFCO was held after the print deadline for PAL, so this report will be given orally at the July 17, 2017 meeting.

Key agenda items include:

- ◆Interview and selection of new Alternative Public Members
- ◆Quarterly legislative report including possibly adopting positions on legislation of LAFCO interest
- ◆Amending OC-LAFCO 1.62% defined contribution plan for employees to mirror program adopted by the County of Orange



Update

Both the June 27, 2017 and July 11, 2017 meetings of the Orange County Board of Supervisors contained a dearth of agenda items of interest to MWDOC. The July 11th meeting occurred on print deadline day, so any emerging topics of interest will be provided orally at the July 17th PAL meeting.

Orange County Law Enforcement Tumultuous Times

Rackauckas vs. Spitzer - Officially It's On



The last thing Orange County District Attorney Tony Rackauckas and the D.A.'s office needs is another round of bad publicity, but that is what exactly they have been subjected too.

After the Orange County Grand Jury largely dismissed the seriousness of the on-going jail house snitch scandal, they released damning information about the culture within the office of the District Attorney.

The Grand Jury concluded the sheer volume of complaints within the office might make the workplace a hostile environment. The overall concern was prompted by testimony revealing the commonness of sexual relationships between supervisors and subordinates which prompted complaints of "preferential treatment and retaliation within the bureau".

In addition, two investigators and a former top investigator for the D.A.'s office have filed complaints alleging using the office to reward political supporters and punish critics.

In response to the latest Grand Jury observations, coupled with a 2015 recommendation from the Informant Policies and Practices Evaluation committee, D.A. Rackauckas created a new D.A. Special Counsel to hear any complaints of ethical violations.

To fill that position, Rackauckas appointed defense attorney and former D.A. prosecutor Ronald Brower. Brower is a long time friend of District Attorney Rackauckas and recently served as a co-sponsor to the District Attorney's kick-off re-election fund raiser. Sensing a political opportunity, and to the surprise of no one, on July 10, 2017, Todd Spitzer formally announced his candidacy for Orange County District Attorney. Curiously, as part of his four page announcement, Supervisor Spitzer announced that to retain independence, he would not accept any endorsements from Orange County elected officials.

Despite the drip of bad publicity for the District Attorney, Spitzer has been splattered by bad press as well. E-mails were recently disclosed related to Spitzer's citizen arrest of

an over zealous religious proselytizer at a Foothill Ranch fast food restaurant; raising new concerns with some about Spitzer's temperament.

As Orange County prepares for a very nasty bare knuckles political fight, Orange County State Senator John Moorlach shared his frustration with the current choices. Moorlach stated "the thought of Todd running for District Attorney has been the biggest boon to Tony". However, he continued "Tony should not be D.A. anymore. He should not have been D.A. for a long time".

Sheriff Won't Seek Re-election, Endorses Possible Successor



Sheriff Sandra Hutchins

After 40 years in law enforcement and 10 years as Orange County Sheriff, Sandra Hutchins has decided it's time to exit. In her announcement that she would not be seeking re-election, she quickly endorsed her second-in-command, Undersheriff Don Barnes for the upcoming June 2018 (and possible November run-off) election for Sheriff.

For years, Sheriff Hutchins received praise for rescuing the department after Sheriff Mike Carona's disastrous tenure. However, the last couple of years were anything but smooth sailing.

The escape of three prisoners last year from the county jail provided a real black eye. Recently, the ACLU released a report decrying conditions in the jails. Also, of course is the ongoing controversy related to the Orange County Jail Snitch scandal. That scandal has resulted in both state and federal investigations. Hutchins recently abandoned her defiant tone in testimony before Judge Thomas Goethals and the judge is still warning he may take the death penalty off the table in the Scott Dekraai murder case. In that case, the sheriff's office has either lost, hidden or destroyed records requested by Judge Goethals. Recently the department turned over 13,000 new documents to state and federal prosecutors, but did not make them available to Judge Goethals or the defense team in the Dekraai case. It is unknown whether or not any of these matters played a role in her decision to not seek re-election.



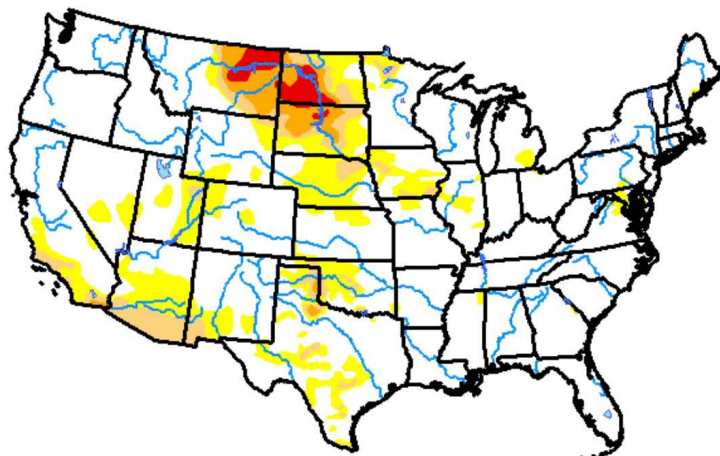
Undersheriff Don Barnes

The Randomness of Weather or Climate Change?

Over the one year period of July 5, 2016 to July 4, 2017, the far west drought has been largely diminished (noting aquifers will require more help), while the latest drought now emerges in the Northern plains mostly the states of Montana, North Dakota and South Dakota.

In recent years, droughts in Texas and the American Southeast have also come and gone.

U.S. Drought Monitor Continental U.S. (CONUS)



July 4, 2017

(Released Thursday, Jul. 6, 2017)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	77.65	22.35	8.45	3.83	1.43	0.00
Last Week 06-27-2017	78.40	21.60	8.04	3.26	0.97	0.00
3 Months Ago 04-04-2017	70.27	29.73	9.83	1.50	0.10	0.00
Start of Calendar Year 01-03-2017	53.89	46.11	22.53	8.63	3.15	0.96
Start of Water Year 09-27-2016	53.60	46.40	18.96	8.10	3.20	1.16
One Year Ago 07-05-2016	55.76	44.24	17.77	6.03	2.51	1.11

Intensity:

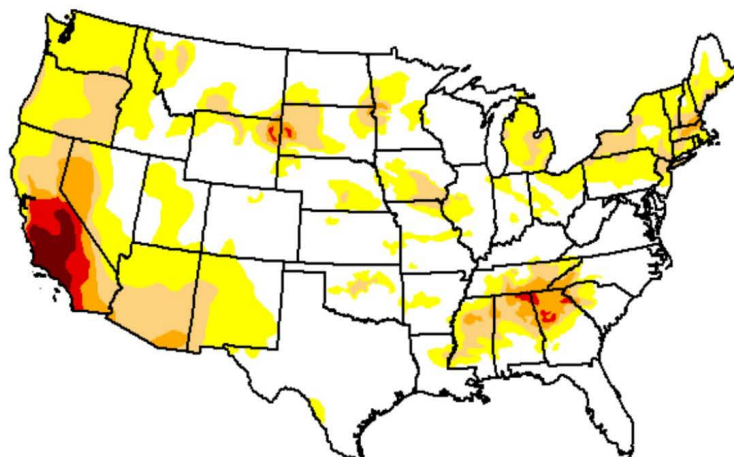
■ D0 Abnormally Dry ■ D3 Extreme Drought
■ D1 Moderate Drought ■ D4 Exceptional Drought
■ D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

David Simeral
Western Regional Climate Center

U.S. Drought Monitor CONUS



July 5, 2016

(Released Thursday, Jul. 7, 2016)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	55.76	44.24	17.77	6.03	2.51	1.11
Last Week 6/28/2016	56.61	43.39	16.18	5.43	2.36	1.11
3 Months Ago 4/5/2016	62.14	37.86	16.71	5.95	3.76	1.71
Start of Calendar Year 12/29/2015	66.99	33.01	18.74	11.56	6.28	2.70
Start of Water Year 9/29/2015	44.91	55.09	31.36	20.09	11.45	3.00
One Year Ago 7/7/2015	63.45	36.55	25.94	17.15	7.47	2.86

Intensity:

■ D0 Abnormally Dry ■ D3 Extreme Drought
■ D1 Moderate Drought ■ D4 Exceptional Drought
■ D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author(s):

David Miskus
NOAA/NWS/NCEP/CPC

ACKERMAN CONSULTING

Legal and Regulatory

July 17, 2017

1. **Safe East Bay Water?:** East Bay Municipal Utility District recently reported a sharp increase in trihalomethanes in their drinking water. The compound is a combination of chlorine disinfectant and organic matter and is at levels below legal standards. The situation is caused by the drought and the excess rains. The drought has caused more organic compounds to accumulate on hillsides and stream beds. Then the excessive rain levels have washed all this downstream at once. Also, reduced demand for water has increased its setting times in pipes and tanks which have the potential of further contamination. While the parts per billion is still below danger points, water world is keeping a close eye on the factors discussed above.
2. **Rain Causes More Oak Death:** The North Coast from Humboldt to Monterrey has been dealing with sudden oak death (*Phytophthora ramorum*) for decades. More than 3 million trees have been lost in the last 20 years. Strangely, the drought actually slowed the disease, while rains accelerate it. The infection takes about 2 years to kill an oak tree and back to back rainy seasons will hasten this result. The disease is spread by water droplets blown by the wind. There is a chemical spray which can offer some relief but it is expensive. UC Berkeley is currently studying the issue.
3. **More Rain for California?:** A UC Riverside Professor, Robert Allen, is predicting more rain for California's future. Climate researchers looking at climate change models, assuming global temperatures rising, have generally opined that California will receive less rain in the future. Allen is predicting overall more rain for us with the majority of it going to Northern Cal and So Cal staying pretty much the same. His predictions differ from his colleagues and his explanation is use of different models. The models he uses have met his criteria of greater accuracy of satellite weather data from 1979 when it first became available. He is predicting more "El Nino like atmospheric response" in future years. He did mention however, as did his competing reports, that "nothing is certain". I think we would agree.
4. **Water and Earthquakes:** More research, led by UC Berkeley scientists, is being done to establish relations between heavy snowfall, large water masses, snowmelt and runoff, and increased probability of earthquakes. There is evidence that more earthquakes occur in the spring, when the snow starts to melt and the weight of water is redistributed to rivers, lakes and soil. A big exception to this "rule" is the San Andreas fault, which seems to have more activity in the autumn (remember 1906). In 1975 there was a 5.7 quake near Oroville Dam. This was 6 years after construction and it was overfilling. Four million acre feet of water being stored were released. The shifting a large amount of water can be measured in fault areas. But no one knows for sure which piece of hay might break the camel's back.
5. **High Rivers Cause Deaths:** From Nevada County to the Central Valley, heavy rains and snowpack are taking their toll on human lives. Melting snow and excess rain are raising river levels throughout California. Also, the runoff is causing faster currents in the full rivers. As of late June, 17 people have been

killed in river accidents. Many recreation areas have been closed or curtailed due to the dangerous conditions. Lake Tahoe which has a maximum level of 6,299 feet was at 6,228.

6. **Lakes Up, Fishing Down:** While most fishing lakes and facilities are at record highs for water level, fishing success has been down. Many factors contribute to this condition. Drought conditions have generated stunted species or reduced numbers. Now high water levels and speeding water have turned many rivers brown and put lots of miscellaneous material in the river bed. Experts say it will take a couple of years for fishing to return to normal, The is important to the economy as fishermen and fisherwomen spend more than \$1.4 billion a year on related fees and products. River speeds is becoming a large factor in making it more difficult to catch fish. The Owens River is running about 10 times its normal speed. Hiding spots for fish are being eliminated or moved to different locations along the rivers.

7. **Algae Killing Sea Lions in OC:** Increased water runoff is being blamed for several pregnant sea lions dying. The algae blooms are being fed by organic and fertilizer runoff containing domoic acid, a deadly neurotoxin. Sardines, the sea lions favorite dish, eat the algae and contaminate the sea lions. It is particularly harmful to pregnant sea lions which are eating for two. This disease is transferable and can even affect humans.

8. **Central Valley Floods:** As a result of the heavy rains and snow melt, flood advisories have been issued for parts of the Central Valley. Fresno County has had to evacuate mobile home parks. Irrigation districts water channels are being monitored around the clock. Homes near Kings River Golf and Country Club were evacuated. The excess and speedy water caused a levee to break in the Kings River Conservation District which flooded alfalfa fields. These conditions are expected to continue for a while until the snow pack recedes.

9. **Local Stresses Cal Agriculture:** Our own AG Kawamura, former Secretary of Agriculture, wrote an op-ed explaining the importance of agriculture to our state and nation. Overregulation is causing a loss of useable water (approximately 1.3 million acre feet per year). This pushes more ag land out of production. This amount of farmland is enough to provide food for around 10 million folks per year. Billions of dollars have been lost in wages and productivity. Continuing to reduce water for agricultural uses means food choices will diminish, food prices will go up and poor families will be hit hardest. AG states that conservation alone cannot get us out of the dilemma. Reliable and new sources of water can.

10. **Desal from Mexico?:** Rosarito Beach in Mexico is planning for gigantic desal plant. The proposed \$463 million plant would be the largest in the Western Hemisphere and could produce 100 million gallons per day. A combination of players has signed a contract to develop the plant. NSC Agua of Mexico, Degremont of France and NuWater of Singapore are the principals. Otay Water District of the USA is negotiating to take part of the plant's production utilizing a cross border pipeline costing \$30 million. The Administration through the Department of State has given a preliminary permit to proceed. This would not be a new concept for the area as cross border electric line, gas pipelines and airport access currently exist. While this is far from being a reality, Otay thinks it is serious enough to spend over \$4 million to study the option. Side benefit for California residents, this could be case where you could drink the water!

MWDOC

PAL Committee

Prepared by Best Best & Krieger LLP

A. Priority Support/Oppose

AB 574

(Quirk D) Potable reuse.

Current Text: Amended: 6/20/2017 [Text](#)

Current Analysis: 07/03/2017 [Senate Environmental Quality \(text 6/20/2017\)](#)

Last Amend: 6/20/2017

Status: 7/5/2017-Action From E.Q.: Do pass as amended.To N.R. & W.

Is Urgency: N

Summary: 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 specify that “direct potable reuse” includes “raw water augmentation” and “treated drinking water augmentation.”

Laws: An act to amend Sections 13560 and 13561 of, to amend the heading of Chapter 7.3 (commencing with Section 13560) of Division 7 of, and to add Sections 13560.5 and 13561.2 to, the Water Code, relating to water.

Position	Priority
Support	A. Priority Support/Oppose

AB 1000

(Friedman D) Water conveyance: use of facility with unused capacity.

Current Text: Amended: 7/3/2017 [Text](#)

Current Analysis: 07/07/2017 [Senate Natural Resources And Water \(text 7/3/2017\)](#)

Last Amend: 7/3/2017

Status: 7/3/2017-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on N.R. & W.

Is Urgency: N

Summary: 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.

Laws: An act to add Section 1815 to the Water Code, relating to water.

Position	Priority
Out for Analysis	A. Priority Support/Oppose

AB 1323

(Weber D) Sustainable water use and demand reduction: stakeholder workgroup.

Current Text: Amended: 5/30/2017 [Text](#)

Current Analysis: 07/07/2017 [Senate Natural Resources And Water \(text 5/30/2017\)](#)

Last Amend: 5/30/2017

Status: 6/14/2017-Referred to Com. on N.R. & W.

Is Urgency: N

Summary: 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.

Laws: An act to add and repeal Section 10608.9 of the Water Code, relating to water.

<i>Position</i>	<i>Priority</i>
<i>Watch</i>	<i>A. Priority</i>
	<i>Support/Oppose</i>

Notes 1: One the three bills that will become the long-term conservation bills. Current language of the bill is not indicative of how the bill may be used.

AB 1654

(Rubio D) Water shortage: urban water management planning.

Current Text: Amended: 7/3/2017 [Text](#)

Current Analysis: 07/07/2017 [Senate Natural Resources And Water \(text 7/3/2017\)](#)

Last Amend: 7/3/2017

Status: 7/3/2017-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on N.R. & W.

Is Urgency: N

Summary: The Urban Water Management Planning Act requires every public and private urban water supplier that directly or indirectly provides water for municipal purposes to prepare and adopt an urban water management plan and to update its plan once every 5 years on or before December 31 in years ending in 5 and zero, except as specified. This bill would require the update of a plan on or before July 1, in years ending in one and 6. The bill would require each urban retail water supplier to report annually by June 15 to the Department of Water Resources the status of its water supplies for that year and whether the supplies will be adequate to meet projected customer demand, as prescribed.

Laws: An act to amend Sections 10621, 10631, 10632, and 10635 of, to add Sections 10613.5 and 10658 to, to add Part 2.56 (commencing with Section 10609) to Division 6 of, and to repeal Section 10631.7 of, the Water Code, relating to water.

<i>Position</i>	<i>Priority</i>
<i>Support</i>	<i>A. Priority</i>
	<i>Support/Oppose</i>

AB 1668

(Friedman D) Water management planning.

Current Text: Amended: 7/3/2017 [Text](#)

Current Analysis: 07/07/2017 [Senate Natural Resources And Water \(text 7/3/2017\)](#)

Last Amend: 7/3/2017

Status: 7/3/2017-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on N.R. & W.

Is Urgency: N

Summary: The Urban Water Management Planning Act requires every public and private urban water supplier that directly or indirectly provides water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually to prepare and adopt an urban water management plan and to update its plan once every 5 years on or before December 31 in years ending in 5 and zero, except as specified. This bill would require an urban water management plan to be updated on or before July 1, in years ending in 6 and one, incorporating updated and new information from the 5 years preceding the plan update.

Laws: An act to amend Sections 350, 10610.2, 10610.4, 10620, 10621, 10630, 10631, 10631.2, 10635, 10640, 10641, 10642, 10644, 10645, 10650, 10651, 10653, 10654, 10656, and 10814 of, to amend and renumber Sections 10612 and 10617 of, to add Sections 10612, 10617, 10617.5, 10632.1, 10632.2, 10632.3, 10643.5, and 10657 to, to add Part 2.65 (commencing with Section 10670) to Division 6 of, to repeal Section 10631.7 of, and to repeal and add Section 10632 of, the Water Code, relating to water.

<i>Position</i>	<i>Priority</i>
<i>Opposition</i>	<i>A. Priority</i>
	<i>Support/Oppose</i>

[SB 778](#)

(Hertzberg D) Water systems: consolidations: administrative and managerial services.

Current Text: Amended: 5/26/2017 [Text](#)

Current Analysis: 07/07/2017 [Assembly Environmental Safety And Toxic Materials \(text 5/26/2017\)](#)

Last Amend: 5/26/2017

Status: 6/15/2017-Referred to Com. on E.S. & T.M.

Is Urgency: N

Summary: Would require, on or before March 1, 2018, 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, including publishing information on 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.

Laws: An act to amend Section 116682 of the Health and Safety Code, relating to drinking water.

<i>Position</i>	<i>Priority</i>
<i>Watch</i>	<i>A. Priority</i>
	<i>Support/Oppose</i>

Notes 1: Flagged for possible vehicle for public goods charge.

[SCA 4](#)

(Hertzberg D) Water conservation.

Current Text: Introduced: 2/2/2017 [Text](#)

Status: 2/16/2017-Referred to Com. on RLS.

Is Urgency:

Summary: 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.

Laws: A resolution to propose to the people of the State of California an amendment to the Constitution of the State, by adding Article X C thereto, relating to water.

<i>Position</i>	<i>Priority</i>
<i>Watch</i>	<i>A. Priority</i>
	<i>Support/Oppose</i>

Notes 1: Possible future action item depending on amendments.

B. Watch

[AB 18](#)

(Garcia, Eduardo D) California Clean Water, Climate, Coastal Protection, and Outdoor Access For All Act of 2018.

Current Text: Amended: 2/23/2017 [Text](#)

Current Analysis: 03/09/2017 [Assembly Floor Analysis \(text 2/23/2017\)](#)

Last Amend: 2/23/2017

Status: 6/28/2017-Referred to Coms. on N.R. & W. and GOV. & F.

Is Urgency: Y

Summary: 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 \$3,105,000,000 pursuant to the State General Obligation Bond Law to finance a clean water, climate, coastal protection, and outdoor access for all program. This bill contains other related provisions.

Laws: An act to add Chapter 14 (commencing with Section 5880) to Division 5 of the Public Resources Code, relating to a clean water, climate, coastal protection, and outdoor access for all program, by providing the funds necessary therefor through an election for the issuance and sale of bonds of the State of California and for the handling and disposition of those funds, and declaring the urgency thereof, to take effect immediately.

<i>Position</i>	<i>Priority</i>
<i>Watch</i>	<i>B. Watch</i>

Notes 1: More park bond than water bond. The better vehicle is SB 5 (De Leon). Nothing to oppose, but not the bill to support if MWDOC were to consider a position.

[AB 196](#)

(Bigelow R) Greenhouse Gas Reduction Fund: water supply and wastewater systems.

Current Text: Amended: 3/6/2017 [Text](#)

Current Analysis: 07/03/2017 [Senate Environmental Quality \(text 3/6/2017\)](#)

Last Amend: 3/6/2017

Status: 7/6/2017-From committee: Do pass and re-refer to Com. on APPR. (Ayes 6. Noes 0.) (July 5). Re-referred to Com. on APPR.

Is Urgency: N

Summary: Current law requires moneys from the Greenhouse Gas Reduction 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.

Laws: An act to amend Section 39712 of the Health and Safety Code, relating to greenhouse gases.

Position	Priority
Watch	B. Watch

[AB 277](#)

([Mathis R](#)) Water and Wastewater Loan and Grant Program.

Current Text: Amended: 3/27/2017 [Text](#)

Current Analysis: 07/10/2017 [Senate Appropriations \(text 3/27/2017\)](#)

Last Amend: 3/27/2017

Status: 7/10/2017-In committee: Referred to APPR. suspense file.

Is Urgency: N

Summary: 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.

Laws: An act to add Chapter 6.6 (commencing with Section 13486) to Division 7 of the Water Code, relating to water.

Position	Priority
Watch	B. Watch

[AB 313](#)

([Gray D](#)) Water.

Current Text: Amended: 7/3/2017 [Text](#)

Current Analysis: 07/10/2017 [Senate Judiciary \(text 7/3/2017\)](#)

Last Amend: 7/3/2017

Status: 7/3/2017-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on JUD.

Is Urgency: N

Summary: Current law authorizes the State Water Resources Control Board to adopt an order setting administrative civil liability based on the 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.

Laws: An act to add Article 2.5 (commencing with Section 11375) to Chapter 4 of Part 1 of Division 3 of Title 2 of the Government Code, and to amend Section 1825 of, to amend, repeal, and add Sections 1055, 1552, and 1845 of, to add Section 1837 to, and to repeal and add Article 2 (commencing with Section 1831) of Chapter 12 of Part 2 of Division 2 of, the Water Code, relating to water.

Position	Priority
Watch	B. Watch

Notes 1: BB&K will continue to monitor.

[AB 464](#)

([Gallagher R](#)) Local government reorganization.

Current Text: Chaptered: 7/10/2017 [Text](#)

Current Analysis: 06/16/2017 [Senate Floor Analyses \(text 3/14/2017\)](#)

Last Amend: 3/14/2017

Status: 7/10/2017-Approved by the Governor. Chaptered by Secretary of State - Chapter 43, Statutes of 2017.

Is Urgency: N

Summary: 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.

Laws: An act to amend Sections 56653 and 56857 of the Government Code, relating to local government.

Position	Priority
Watch	B. Watch

[AB 474](#) ([Garcia, Eduardo](#) D) Hazardous waste: spent brine solutions.

Current Text: Amended: 6/28/2017 [Text](#)

Current Analysis: 07/10/2017 [Senate Appropriations \(text 6/28/2017\)](#)

Last Amend: 6/28/2017

Status: 7/10/2017-In committee: Referred to APPR. suspense file.

Is Urgency: N

Summary: 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.

Laws: An act to add Section 25143.6 to the Health and Safety Code, relating to hazardous waste.

Position	Priority
	B. Watch

Notes 1: Possible bill to support.

[AB 732](#) ([Frazier](#) D) Delta levee maintenance.

Current Text: Amended: 5/30/2017 [Text](#)

Current Analysis: 07/10/2017 [Senate Appropriations \(text 5/30/2017\)](#)

Last Amend: 5/30/2017

Status: 7/10/2017-In committee: Referred to APPR. suspense file.

Is Urgency: N

Summary: 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.

Laws: An act to amend Sections 12986 and 12987.5 of the Water Code, relating to water.

Position	Priority
Watch	B. Watch

Notes 1: Amended to extended the sunset consistent with past practice.

[AB 885](#) ([Rubio](#) D) Pupil health: drinking water: lead.

Current Text: Amended: 4/27/2017 [Text](#)

Current Analysis: 05/15/2017 [Assembly Appropriations \(text 4/27/2017\)](#)

Last Amend: 4/27/2017

Status: 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)

Is Urgency: N

Summary: 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.

Laws: An act to add Section 32247 to the Education Code, relating to pupil health.

Position	Priority
Watch	B. Watch

[SB 5](#) ([De León D](#)) California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018.

Current Text: Amended: 5/26/2017 [Text](#)

Current Analysis: 05/27/2017 [Senate Floor Analyses \(text 5/26/2017\)](#)

Last Amend: 5/26/2017

Status: 6/29/2017-Referred to Com. on W.,P., & W.

Is Urgency: Y

Summary: 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 \$3,500,000,000 pursuant to the State General Obligation Bond Law to finance a drought, water, parks, climate, coastal protection, and outdoor access for all program. This bill contains other related provisions.

Laws: An act to add Division 45 (commencing with Section 80000) to the Public Resources Code, relating to a drought, water, parks, climate, coastal protection, and outdoor access for all program, by providing the funds necessary therefor through an election for the issuance and sale of bonds of the State of California and for the handling and disposition of those funds, and declaring the urgency thereof, to take effect immediately.

Position	Priority
Watch	B. Watch

Notes 1: Better of the two park bond bills. Possible future action item.

[SB 80](#) ([Wieckowski D](#)) California Environmental Quality Act: notices.

Current Text: Amended: 6/21/2017 [Text](#)

Current Analysis: 06/16/2017 [Assembly Natural Resources \(text 2/14/2017\)](#)

Last Amend: 6/21/2017

Status: 6/21/2017-Read second time and amended. Re-referred to Com. on APPR.

Is Urgency: N

Summary: 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. Because this bill would increase the level of service provided by a local agency, this bill would impose a state-mandated local program.

Laws: An act to amend Sections 21092.2, 21092.3, 21108, and 21152 of the Public Resources Code, relating to environmental quality.

Position	Priority
Watch	B. Watch

[SB 146](#) ([Wilk R](#)) Water resources: permit to appropriate: protected species.

Current Text: Amended: 3/20/2017 [Text](#)

Current Analysis: 03/23/2017 [Senate Natural Resources And Water \(text 2/17/2017\)](#)

Last Amend: 3/20/2017

Status: 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)

Is Urgency: N

Summary: 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.

Laws: An act to add Section 1257.7 to the Water Code, relating to water resources.

<i>Position</i>	<i>Priority</i>
<i>Watch</i>	<i>B. Watch</i>

Notes 1: ACWA opposed

SB 210

(Leyva D) Pupil health: drinking water.

Current Text: Amended: 5/26/2017 [Text](#)

Current Analysis: 05/27/2017 [Senate Floor Analyses \(text 5/26/2017\)](#)

Last Amend: 5/26/2017

Status: 6/12/2017-Referred to Coms. on ED. and E.S. & T.M.

Is Urgency: N

Summary: The California Safe Drinking Water Act, requires the State Water Resources Control Board to establish a grant program, in consultation with the State Department of Education, to award grants to local educational agencies for the purposes of improving access to, and the quality of, drinking water in public schools serving kindergarten or any of grades 1 to 12, inclusive, and preschools and child day care facilities located on public school property. The act requires the state board to give priority to certain projects. This bill would require priority be given to projects for schools that have tested their drinking water fixtures, and the results show that the drinking water either does not meet the United States Environmental Protection Agency drinking water standards for lead or is above the California maximum contaminant level for any other contaminant, as specified.

Laws: An act to amend Section 116276 of the Health and Safety Code, relating to public health.

<i>Position</i>	<i>Priority</i>
	<i>B. Watch</i>

SB 224

(Jackson D) California Environmental Quality Act: baseline conditions.

Current Text: Amended: 4/5/2017 [Text](#)

Current Analysis: 05/01/2017 [Senate Appropriations \(text 4/5/2017\)](#)

Last Amend: 4/5/2017

Status: 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)

Is Urgency: N

Summary: Would require the Office of Planning and Research, on or after January 1, 2018, at the time of the next review of the guidelines, to prepare, develop, and transmit to the secretary proposed changes or amendments to determine the baseline physical conditions by which a lead agency determines whether a project has a significant effect on the environment. The bill would require the office, in developing the recommendations to limit the consideration of modifications to the environment at the project site cause by certain actions. The bill would require the secretary to certify and adopt the recommended proposed changes or amendments.

Laws: An act to add Section 21083.02 to the Public Resources Code, relating to environmental quality.

<i>Position</i>	<i>Priority</i>
	<i>B. Watch</i>

SB 231

(Hertzberg D) Local government: fees and charges.

Current Text: Amended: 4/19/2017 [Text](#)

Current Analysis: 06/16/2017 [Assembly Floor Analysis \(text 4/19/2017\)](#)

Last Amend: 4/19/2017

Status: 6/15/2017-Read second time. Ordered to third reading.

Is Urgency: N

Summary: 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.

Laws: An act to amend Section 53750 of, and to add Section 53751 to, the Government Code, relating to local government finance.

<i>Position</i>	<i>Priority</i>
<i>Watch</i>	<i>B. Watch</i>

SB 252**(Dodd D)** Water wells.Current Text: Amended: 6/28/2017 [Text](#)Current Analysis: 06/23/2017 [Assembly Water, Parks And Wildlife \(text 6/14/2017\)](#)

Last Amend: 6/28/2017

Status: 6/28/2017-Read second time and amended. Re-referred to Com. on L. GOV.

Is Urgency: N

Summary: Would require an applicant for a new well permit in a city or county overlying a critically overdrafted basin, as defined, and where the proposed well is located within a critically overdrafted basin, to comply with certain requirements as part of an application for a well permit. The bill would require a city or county that receives an application for a well permit in a critically overdrafted basin to make certain information about the new well included in the application for a well permit available to groundwater sustainability agencies and publicly available and easily accessible and, before issuing any new well permit, to undertake a notice and comment period that includes a noticed public meeting, as prescribed.

Laws: An act to amend Section 13751 of, to add Section 10729.4 to, and to add Article 5 (commencing with Section 13807) to Chapter 10 of Division 7 of, the Water Code, relating to groundwater.

Position	Priority
Watch	B. Watch

SB 623**(Monning D)** Water quality: Safe and Affordable Drinking Water Fund.Current Text: Amended: 7/3/2017 [Text](#)Current Analysis: 07/07/2017 [Assembly Environmental Safety And Toxic Materials \(text 7/3/2017\)](#)

Last Amend: 7/3/2017

Status: 7/3/2017-From committee with author's amendments. Read second time and amended. Re-referred to Com. on E.S. & T.M.

Is Urgency: N

Summary: 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 office. The bill would require the State Water Resources Control Board to administer the fund to assist communities and individual domestic well users to address contaminants in drinking water that exceed safe drinking water standards, as specified. The bill would authorize the board to provide for the deposit of federal contributions and voluntary contributions, gifts, grants, or bequests.

Laws: An act to amend Section 116395 of, and to add Chapter 4.6 (commencing with Section 116765) to Part 12 of Division 104 of, the Health and Safety Code, and to amend Section 13050 of, and to add Article 4.5 (commencing with Section 13278) of Chapter 4 of Division 7 of, the Water Code, relating to water, and making an appropriation therefor.

Position	Priority
	B. Watch

SB 740**(Wiener D)** Onsite treated water.Current Text: Amended: 4/26/2017 [Text](#)Current Analysis: 05/15/2017 [Senate Appropriations \(text 4/26/2017\)](#)

Last Amend: 4/26/2017

Status: 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)

Is Urgency: N

Summary: 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.

Laws: An act to add Article 8 (commencing with Section 13558) to Chapter 7 of Division 7 of the Water Code, relating to water quality.

Position	Priority
	B. Watch

Total Measures: 24**Total Tracking Forms: 24**

**Metropolitan Water District of Southern California
State Legislation Matrix 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 472 Frazier (D) Sponsor: California Waterfowl Association	Amended 6/26/17 Senate Natural Resources and Water Committee Date of Hearing: 7/11/17	Water Transfers: Would eliminate requirement for landowners to comply with Department of Water Resources (DWR) water transfer guidelines. Requires DWR to allow cover crops to remain on fallowed land unless DWR, not the landowner, can prove injury to another legal user of water, based on peer-reviewed scientific studies. Also creates incentive program within the Wildlife Conservation Board for landowners to cultivate or retain nonirrigated vegetation for wildlife habitat.	OPPOSE (4/11/17)	Would make it more difficult for DWR to ensure that purchasers of water transfer supplies and legal users of water are not impacted by water consuming vegetation on fallowed lands.
AB 574 Quirk (D) Sponsor: WaterReuse California and California Coastkeeper Alliance	Amended 6/20/17 Senate Natural Resources and Water Committee	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.

**Metropolitan Water District of Southern California
State Legislation Matrix 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 732 Frazier (D) Sponsor: Author	Amended 5/30/17 Senate Appropriations Committee Date of Hearing: 7/10/17	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.
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.

**Metropolitan Water District of Southern California
State Legislation Matrix 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
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.
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.

**Metropolitan Water District of Southern California
State Legislation Matrix 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 869 Rubio (D) Sponsor: Author	Amended 7/3/17 Senate Natural Resources and Water Committee	Recycled Water: Would exclude the curtailment of use of recycled water from the definition of conservation.	WATCH based upon Board-adopted legislative policy priorities dated 5/8/17	Metropolitan recognizes that recycled water is an efficient use and should be treated as such in any new water use efficiency targets. Author will no longer pursue bill, as written.
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.

**Metropolitan Water District of Southern California
State Legislation Matrix 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1270 Gallagher (R) Sponsor: Author	Amended 6/28/17 Senate Appropriations Committee Date of Hearing 7/10/17	Dams and Reservoirs – Inspections and Reporting: Requires inspections of dams on a known frequency rather than only “from time-to-time” as existing law requires. Also requires that on or before January 1, 2019, and every three years thereafter, the California Water Commission, in consultation with the UC Berkeley Center for Catastrophic Risk Management, conduct a review of state-operated and state-maintained dams and reservoirs, such as Lake Oroville.	SUPPORT IF AMENDED (6/13/17)	Recent amendments impose a substantial list of inspection activities that would need to be conducted every year for all higher-hazard dams. In addition, bill requires that all dam inspection reports be retroactively posted on the internet for at least the previous ten years for dams classified as extremely high hazard or high hazard, without any retraction of security sensitive information or ability to know who was accessing the information. Metropolitan is working with the author to address concerns.
AB 1323 Weber (D) Sponsor: San Diego County Water Authority	Amended 5/30/17 Senate Natural Resources and Water Committee Date of Hearing: 7/11/17	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.

**Metropolitan Water District of Southern California
State Legislation Matrix 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
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.
AB 1654 Rubio (D) Sponsor: Regional Water Authority and Irvine Ranch Water District	Amended 7/3/17 Senate Natural Resources and Water Committee Date of Hearing: 7/11/17	Drought Contingency Planning: Would require each urban retail water supplier to conduct an annual water shortage contingency analysis and implement certain actions and reporting when a water shortage is determined. Proposes changes to the Urban Water Management Planning Act, which would require urban water suppliers, as part of their five-year water supply planning and reporting, to include a detailed description of their water shortage contingency analysis, related actions and monitoring processes.	SUPPORT based upon Board-adopted legislative policy priorities dated 5/8/17	Preserves local and regional decision-making and control in determining actions to avoid shortage or mitigate shortage impacts. Supports inclusion of all available sources of water supplies and water management actions by urban water suppliers to mitigate water shortage impacts to customers.

**Metropolitan Water District of Southern California
State Legislation Matrix 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1667 Friedman (D) Sponsor: Brown Administration	Amended 7/3/17 Senate Natural Resources and Water Committee Date of Hearing: 7/11/17	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.
AB 1668 Friedman (D) Sponsor: Author	Amended 7/3/17 Senate Natural Resources and Water Committee Date of Hearing: 7/11/17	Drought Contingency Planning: Would require each urban water supplier to conduct an annual water shortage contingency analysis and implement certain actions and reporting when a water shortage is determined. Also proposes changes to the Urban Water Management Planning Act (UWMP) which would require urban water suppliers, as part of their five-year water supply planning and report, to include a detailed description of their water shortage contingency analysis, related actions and monitoring processes.	SUPPORT IF AMENDED based upon Board-adopted legislative policy priorities dated 5/8/17	AB 1668 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 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
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.
SB 80 Wieckowski (D) Sponsor: Author	Amended 6/21/17 Assembly Appropriations Committee	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 UNLESS AMENDED 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 7/10/2017**

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: Environmental Defense Center and the Planning and Conservation League	Amended 4/5/17 Senate Appropriations Committee Two-Year Bill	California Environmental Quality Act: Would require 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. Lead agencies undertaking their own projects, and project proponents seeking permits, funding or other discretionary approvals from lead agencies, would be required to analyze every proposed project's impacts relative to an environmental condition that no longer existed at any site where unpermitted, illegal or previous emergency response actions occurred.	OPPOSE based upon January 2017 Board-adopted State Legislative Priorities	SB 224 is at odds with the fundamental precept of CEQA as a forward-looking statute. Lead agencies that undertake their own projects could be required to mitigate for environmental harms committed by others, which is inequitable and fails to deter bad actors.

**Metropolitan Water District of Southern California
State Legislation Matrix 7/10/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 231 Hertzberg (D) Sponsor: Water Foundation	Amended 4/19/17 Assembly Floor	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.

ETWD Education Outreach

July 25, 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 the drought and ETWD permanent mandatory conservation measure inquiries. There were seven water waste complaints for the month of June. A copy follows this report.

Messaging/Materials

- July/August bill message: Inspect your irrigation system for water runoff and adjust your sprinklers as necessary to prevent water waste.
- A copy of the ETWD Summer newsletter follows this report.
- ETWD staff continues to work with Thomas Communications on the RWEPP phase II communications plan to residents in Laguna Woods Village. ETWD staff is working with Media 55 to coordinate the commercials.

Demonstration Garden

- Staff is working with a consultant on the signage and brochure for the garden. The consultant is Joan Norvelle with Joan Norvelle Design. She has done work with Cal Poly Pomona's demonstration garden interpretive signs and with UC Santa Cruz Arboretum. We have received permission to use artwork/information off the interpretive signs she has already created for those gardens and customize the signs to ETWD's Demonstration garden. The estimated time frame of the project is as follows:
Staff Reviewing signage – July/August
Design – September to mid-October
Sign Development – Mid October to November (3-5 weeks)
Installation – November/December
Once we have a confirmed time frame, we can discuss the date for the dedication of the garden.
- Staff is working with the Lake Forest Garden Club to order the individual plant signs.

CAG Meeting

- ETWD will hold its quarterly CAG meeting on August 10th, 2017. Tentative topics will include The California Water Fix and Eco Restore Projects presented by MWDOC and an update on the Recycled Water Expansion Project Phase II presented by Dennis Cafferty.

Community Events

National Night Out

- ETWD will staff two booths as part of the National Night Out events in Mission Viejo and Laguna Hills on August 1, 2017. This will be ETWD's second year participating with the sheriff's department at the Laguna Hills Community Center and at the Target shopping center on Jeronimo and Los Alisos Blvd. The event time is from 5:00 p.m. to 8:00 p.m.

MWDOC

Part of ETWD's Choice Program with MWDOC, the following CA Water Fix white board video was created and customized with ETWD's logo for the District to use as part of its outreach. Director Vergara showed this video and spoke on this topic on the June 2017 TV6 segment. MWDOC is coordinating two other white board videos on "Where our water comes from?" and "How water recycling works?"

The customized California Water Fix video can be viewed at

<https://www.dropbox.com/s/ef9qqjl2ly1x4hq/El%20Toro.mp4?dl=0>



Customer Service Drought Log

June 2017

Complaint Date	Source	City	Drought Response Level	General Comments	Location Details	Office Comments	Office Actions	Field Comments	Field Actions	Violation Types	DRType
6/28/17	Email	LH		Per phone call from Chadia Aboukhalili with U.S. Storage. 949-748-5928. LI	Near black box by a tree.	Water is coming up in the sidewalk near a black box by tree. LI		Verbally notified Ryan Handley at the City of Laguna Hills. Ryan is on his way out to investigate. Complete 6-30-17 RHazard		Excess runoff	Water Waste Complaint
6/27/17	Email	Mission Viejo		I called Roman on call to check it out for us. LI	Directly accross from O'Reilly Auto Parts. li	Or broken hydtant per email. Water was shooting straight up into the air. li		Verbally notified M.N.W.D. M.N.W.D. said they already notified Caltrans. Complete RHazard		Broken sprinkler or pipe	Water Waste Complaint
6/22/17	Email	Laguna Hills		Email sent 5/18/17. Did not receive until L 6/21/17. LI	Parking Lot	Per email: "lot of water going clear across the parking lot from west to east from watering their islands with tree in em." LI		Left voicemail with Store Manager Sal Aranda. Complete RHazard		Excess runoff	Water Waste Complaint
6/22/17	Email	Laguna Hills		Email sent 5/18/17. Did not receive until 6/21/17. LI	From church down El Toro Rd	Per email: "water running down El Toro some nights." LI		Left voicemail with Church employee Laura MCallum. Complete RHazard		Excess runoff	Water Waste Complaint
6/22/17	Email	Laguna Hills		Email sent 5/18/17. Did not receive until 6/21/17. li	Gate 11	PER EMAIL: "Laguna Woods Village waters too soon before a rain and too soon after"		Notified L.W.V. Property Services by voicemail. Complete RHazard		Excess runoff	Water Waste Complaint
6/19/17	Email	Laguna Woods		I will send our technician.MS	Excess runoff	A gusher coming out of a brick planter on left side of the garage.MS		Notified Laguna Woods Village Property Services by voicemail. Complete RHazard	Other (see OA comments)	Excess runoff	Water Waste Complaint
6/1/17	Email	Mission Viejo		Sent email to customer. We will send our technician and investigate the excess runoff.MS	Fire hydrant leaking. Excessive runoff	Water leak adjacent to a fire hydrant in the street and crack in the road.Front of CVS.MS	Other action	This is a ongoing investigation being conducted by E.T.W.D. Operations Dept. Still looking for source of water. RHazard		Excess runoff	Water Waste Complaint

7 Water Waste Complaints
0 Door hangers

REBATES



SMART IRRIGATION TIMER/SOIL MOISTURE SENSORS REBATES UP TO \$250*

▶ **WATER SAVINGS:** 40-50 gallons per day/home

Choose a weather-based irrigation controller that adjusts the watering schedule based on current weather conditions, or a soil moisture sensor controller that measures the soil's water content to determine how much water plants need.

ROTATING SPRINKLER NOZZLES - REBATES UP TO \$3* EA.

▶ **WATER SAVINGS:** 15 gallons per day/nozzle

Upgrade to rotating sprinkler nozzles that water more evenly and efficiently than traditional pop-up spray heads.
Minimum 30 nozzles



DRIP IRRIGATION - UP TO \$175* PER KIT

▶ **WATER SAVINGS:** 50 gallons per day

Convert spray heads to drip irrigation, which uses emitters to deliver water to specific locations at, or near, plant root zones.
Up to 3 kits per site

TURF REMOVAL- \$2 SQ. FT. RESIDENTIAL UP TO 2,000 SQ. FT. AND \$1 SQ. FT. COMMERCIAL UP TO 25,000 SQ. FT.

▶ **WATER SAVINGS:** Up to 70% less water used

Replace thirsty turf with beautiful, climate-appropriate landscape.



RAIN BARREL - REBATES UP TO \$50* CISTERNS - REBATE UP TO \$350*

▶ **WATER SAVINGS:** Varies based on rainfall

Capture the rain water that falls on your roof and use it later to water your plants. Rain barrels can reduce urban runoff and ocean pollution.

HIGH EFFICIENCY CLOTHES WASHER - REBATE UP TO \$150.00*

▶ **WATER SAVINGS:** 15 gallons per day

Upgrade your old washing machine to a high efficiency clothes washer that uses up to 55% less water and gets clothes just as clean.



PREMIUM HIGH EFFICIENCY TOILETS - REBATES UP TO \$75.00*

▶ **WATER SAVINGS:** 22 gallons per day

Get paid to replace your old toilets with high efficiency models that use just 1.06 gallons or less per flush while maintaining high performance standards.

SPRINKLER ADJUSTMENT REMINDERS - FREE

Sign up for free sprinkler adjustment reminder emails that tell you when/how to use the percent adjust feature on your basic sprinkler timer, ensuring proper watering year-round.



*Rebate levels are subject to change based on available funding. Rebate paid will not exceed device cost. Please visit www.OCWaterSmart.com for current rebate levels and eligibility requirements.



www.OCWaterSmart.com | 888.376.3314

COMMERCIAL REBATES

Indoor and outdoor commercial rebates are also available. Please visit www.ocwatersmart.com for more info or to apply.



ETWD BOARD OF DIRECTORS

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Water Views is published quarterly to keep water users in the El Toro Water District informed about water and wastewater related issues and events. If you have any comments or suggestions, please mail them to: Sherri Seitz, Editor
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Website:
www.etwd.com

Para la información en Español, llame por favor al servicio de cliente, 949.837.0660.

#0135/11/16_FALL



WATERVIEWS

El Toro Water District

Summer 2017

Serving the Public, Respecting the Environment "District of Distinction"

DROUGHT EMERGENCY UPDATE

On April 7, 2017, Governor Brown issued Executive Order B-40-17 ending the drought State of Emergency for most of California. The rescinding of this Executive Order provided the El Toro Water District Board of Directors the opportunity to review our statewide and local water supplies and make changes to our current water regulations.

On May 1, 2017 the El Toro Water District Board of Directors made the following changes:

1. Rescinded the Level 1 Water Supply Shortage Declaration that was adopted under Water Conservation and Water Supply Shortage Ordinance No 2015-3. This includes rescinding the 3-day a week watering schedule.
2. Increased the Outdoor Drought Factor portion of your Water Budget Based Tiered Conservation Rate Structure from 75% to 100%.
3. Reaffirmed suspension of the \$2/ccf Administrative Drought Penalty Fee that was imposed on customers exceeding their combined efficient indoor and outdoor water budgets.

The wet winter, end of the drought State of Emergency and the changes the ETWD Board has given us much to celebrate, but we must always remember that we need to make water conservation a way of life. The winter storms have certainly helped to end the drought emergency, but one year of wet weather does not erase the five years of drought that we faced. We live in a coastal desert and the need to be vigilant with water savings remains prevalent. We know the next dry year is always right around the corner. Ongoing conservation and permanent changes are important

because there is never enough water to waste in California.

"The El Toro Water District continues to encourage our valued customers to use water efficiently in all ways possible as we move through 2017 and beyond," said ETWD General Manager Bob Hill. "Our agency has many programs to help customers make changes that will result in permanent water savings. We invite you to take advantage of these and continue to do your part to embrace conservation as a California way of life."

Again, we thank you! You are the ultimate stewards of California's precious water. Keep up the good work! Visit www.saveourwater.com for water savings tips and visit www.ETWD.com for more information on our rebates, our drought-resilient supplies and what we are doing to raise the bar on efficiency.

IN THIS ISSUE

Fire Hydrant and Water Mainline Flushing Program

ETWD Demonstration Garden Project

Boy Scout Soil and Water Conservation Badge Program and Tour

Diesel Fuel Trailer

Landscape Assistance Program

Rebates



FIRE HYDRANT AND WATER MAINLINE FLUSHING PROGRAM

El Toro Water District's preventative maintenance program includes flushing of fire hydrants and water main lines. Periodically, you will see ETWD personnel releasing water from these fire hydrants or water mains. Flushing improves the quality and appearance of the water by removing sediment from the distribution pipes. Flushing is also necessary to test the hydrants to make sure they are operable and can deliver adequate flow and pressure in the event of a fire or an emergency.

During the flushing procedure, residents in the immediate area might notice a temporary discoloration or sediment in their water. The water is safe and can be cleared up by running cold water through all the water faucets for a few minutes. ETWD personnel post signs in the area in which they are flushing to inform residents of the preventative maintenance activity.

ETWD performs these maintenance tasks in the most efficient manner possible to minimize water usage.

If you have any questions regarding the program, **please call (949) 837-7050.**



BOY SCOUT SOIL AND WATER CONSERVATION BADGE PROGRAM AND TOUR



Nearly 70 Boy Scouts earned their "Soil & Water Conservation" merit badges during a clinic hosted by the El Toro Water District (ETWD) and Municipal Water District of Orange County (MWDOC).

ETWD General Manager Robert Hill welcomed the Scouts to the clinic and explained that water in South Orange County travels hundreds of miles to their homes – through the Colorado River Aqueduct or State Water Project – and the importance of water use efficiency and recycled water. ETWD is a pioneer in OC water recycling, and the clinic was

held at ETWD's Water Recycling Plant located in the city of Laguna Woods.

ETWD Director Frederick J. Adjarian, who earned his Eagle Badge as a teen told Scouts about the importance of the Scout motto, "Be Prepared," which has guided him through his career in the water industry. Scouts learned water principles from Charles Busslinger, MWDOC's principal engineer, before taking a tour of the ETWD Water Recycling Plant. Closing the program, the scouts demonstrated their new knowledge by writing essays. Thank you to all that attended.

For interest in future programs please visit <http://bit.ly/ETWDBSA>.

DIESEL FUEL TRAILER

ETWD was a recipient of a 500 gallon portable diesel fuel trailer through a Municipal Water District of Orange County (MWDOC) grant. The grant funded the purchase of 10 diesel fuel trailers that will be used as mutual aid during disasters. MWDOC received the grant through the Homeland Security Urban Area Security Initiative. The primary purpose of the trailers are to move diesel fuel from fueling stations to deployed generators or heavy equipment in emergencies for Special Districts and Municipalities.

In September 2011, California experienced a power outage that impacted four counties. The incident lasted for approximately eleven hours. In order to maintain delivery of clean drinking water and the collection of wastewater, generators would be deployed



to several critical ETWD sites. Most of these generators only have a fuel capacity to support an 8-12 hour outage. In the event of a power outage that extends beyond this duration, these generators would need to be refueled to maintain operations and to protect the public

health of the community. Many of the generators are deployed throughout service areas and often in hard to reach locations making refueling complex. Acquisition of large capacity fuel trailers enable water utilities to refuel generators more efficiently and for sustained periods of time.

ETWD DEMONSTRATION GARDEN PROJECT



In response to the California drought, ETWD made a permanent change to its landscape located at 24251 Los Alisos Blvd., Lake Forest, CA 92630. By removing the large water thirsty lawn and replacing the area with California Friendly plants, drought tolerant plants, drip irrigation system, decomposed granite walkways, mulch, synthetic turf and a dry stream bed, ETWD will save thousands of gallons of water. In addition to saving money, the garden will attract essential wildlife such as hummingbirds, butterflies, bees, insects and local birds. ETWD broke ground on the Demonstration Garden in March 2017 and construction was completed in June 2017.

The main objective of the project is to promote efficient outdoor water use and demonstrate a variety of California Friendly and drought tolerant plants. There are four gardens representing Australian/New Zealand, Mediterranean, South African, Succulent and California Friendly/natives plants throughout. The garden showcases approximately 100 plant varieties that are colorful, sustainable and

available to purchase locally (depending on demand) and can be incorporated into any residential or commercial landscape.

The garden was funded by a restricted water conservation reserve account and rebate/grant funding through the Metropolitan Water District and Municipal Water District of Orange County.

Plant signage is currently in progress and the garden will be available soon for touring. The garden will be open 365 days per year from dawn to dusk for self-guided tours. In addition, ETWD will hold water wise landscape classes with tours of the garden periodically throughout the year. Group tours will be available upon request.

For information on the garden, please call 949-837-7050 or visit www.etwd.com/demonstration-garden

LANDSCAPE DESIGN ASSISTANCE PROGRAM

The Landscape Design Assistance Program (LDAP) is a FREE program providing a professional design consultation and access to landscape conversion design ideas and resources for orange county residents planning to remove turf. Visit www.ocfriendlylandscapes.com to view design ideas from California Native, Coastal Influence, Cottage, Mediterranean, Modern and OC Friendly landscapes. These landscape design ideas will all thrive in Southern California's semi-arid climate.

To participate in the program, participants must be eligible per the terms and conditions listed on the website above.

- The LDAP only applies to front yards.
- The LDAP provides the customer with a professional landscape design consultation, which results in design, irrigation, and maintenance plans.
- The LDAP does not provide labor, materials, or installation services.
- If turf is not present you will not be eligible for the program.

Visit www.ocfriendlylandscapes.com to view the full terms and conditions and to apply for the program.



**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
July 25, 2017**

REBATE PROGRAMS

The following tables are the current device rebate amounts for MET, MWDOC and ETWD for the fiscal year 2017/18. ETWD has budgeted \$60,500 towards supplemental funding of the regional rebate program. This year we have increased the supplemental funding for the high efficiency clothes washers and premium high efficiency toilets.

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 June 2017 year-to-date sales, residential accounted for 67% of the overall Tier 3 usage and dedicated irrigation accounted for 57% of Tier 4 usage.](#)

TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

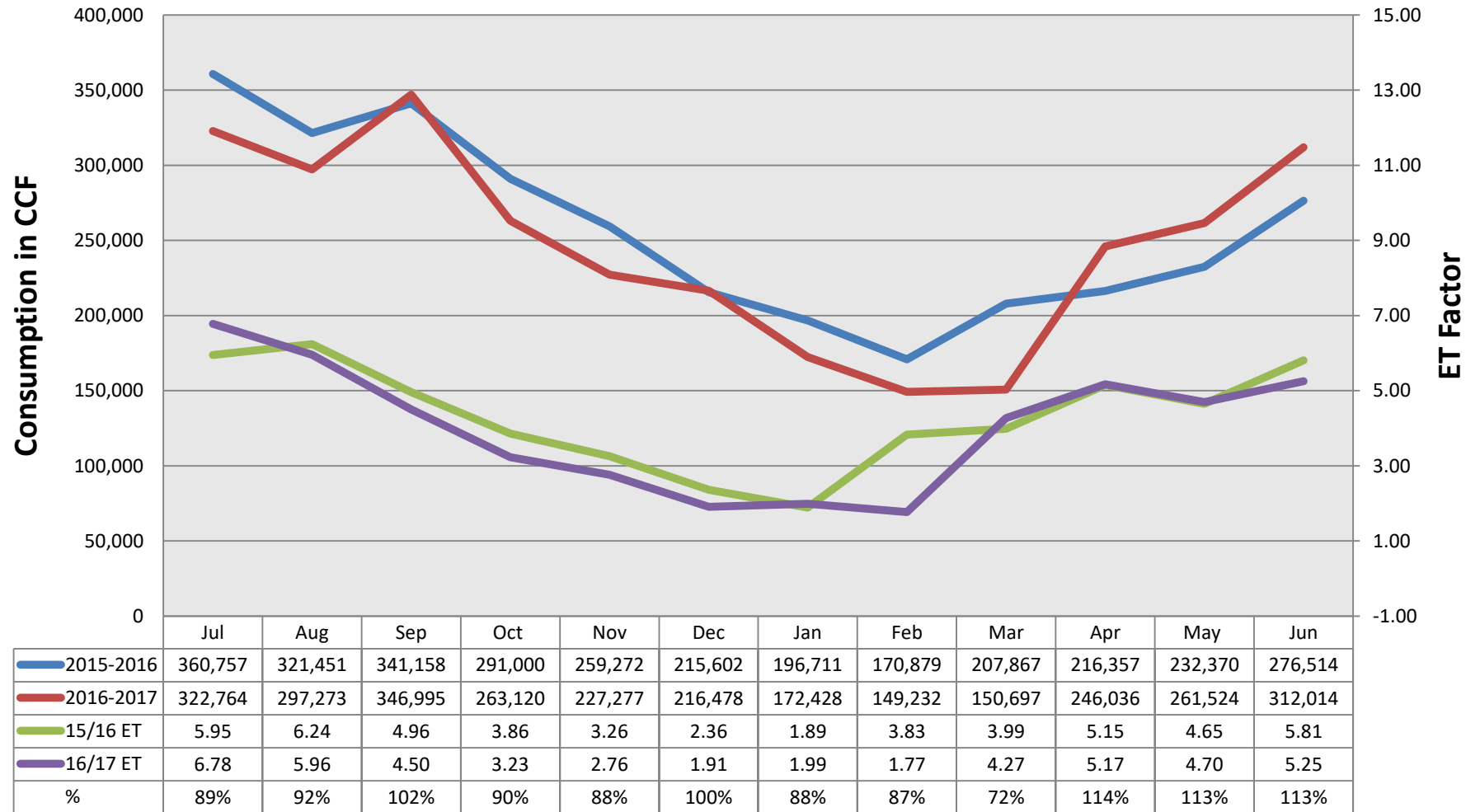
Included in this month's Conservation Report is a chart comparing the current fiscal year 2016/17 consumption and ET factor to the fiscal 2015/16 consumption and ET factor. [The ET factor increased 1.11% from June 2016 when compared to June 2017. There was a 13% increase in consumption reflected in June 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: July 19, 2017

Total Consumption Comparison



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	36.5	11.9	\$34,350
High Efficiency Clothes Washers--Residential	2001	16	19.4	6.3	\$18,257
*SoCal Water Smart Commercial Plumbing Fixtures Rebate Program (ULFT's, HET's, Urinals, HECW, Cooling Tower Conductivity Controllers)	2002	15	39.1	12.7	\$36,797
**Water Smart Landscape Program	1997	20	242.9	79.2	\$228,594
SmarTimer Program--Irrigation Timers	2004	13	171.7	56.0	\$161,587
Synthetic Turf Rebate Program--Ended 2011	2007	8	0.9	0.3	\$847
Rotating Nozzles Rebate Program	2007	10	82.1	26.8	\$77,264
Turf Removal Program	2010	7	33.9	11.0	\$31,903
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			828.6	270.0	\$779,778

* 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 270 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	June-17	198	0.57	4,129	77.89	112,912	3,895	23,836
Smart Timer Program - Irrigation Timers	2004	June-17	583	23.28	3,003	869.69	20,485	7,657	38,732
Rotating Nozzles Rebate Program	2007	June-17	1,030	4.12	41,460	165.77	562,818	2,757	11,189
SoCal WaterSmart Commercial Plumbing Fixture Rebate Program	2002	June-17	2,960	8.81	14,997	226.85	85,279	3,518	39,421
Water Smart Landscape Program [1]	1997	November-15	12,677	904.62	12,677	3,615.21	12,677	10,621	72,668
Industrial Process Water Use Reduction Program	2006	June-17	0	3.58	2	3.58	25	412	2,237
Turf Removal Program ^[3]	2010	June-17	90,014	1.05	878,932	72	20,905,601	2,927	7,258
High Efficiency Toilet (HET) Program	2005	June-17	24	0.09	1,058	45.17	59,643	2,205	14,157
Home Water Certification Program	2013	November-15	0	0.000	53	0.251	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				946	956,311	5,077	23,091,587	49,374	393,334

⁽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 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY13/14	FY14/15	FY15/16	FY16/17	Total	Current FY Water Savings Ac/Ft (Cumulative)	Cumulative Water Savings across all Fiscal Years	15 yr. Lifecycle Savings Ac/Ft
Brea	156	42	186	144	93	115	114	76	57	1,867	1.01	398.29	966
Buena Park	146	59	230	145	105	106	91	76	54	1,518	0.97	307.73	785
East Orange CWD RZ	17	3	23	10	10	8	8	8	3	192	0.03	43.45	99
El Toro WD	130	32	162	112	134	121	111	65	47	1,521	0.83	310.81	787
Fountain Valley	243	72	289	158	115	102	110	76	65	2,400	1.31	532.91	1,242
Garden Grove	332	101	481	236	190	162	165	251	127	3,563	2.53	746.47	1,844
Golden State WC	447	168	583	485	265	283	359	260	138	5,015	2.91	1,053.71	2,595
Huntington Beach	751	211	963	582	334	295	319	225	180	8,246	3.24	1,869.56	4,267
Irvine Ranch WD	1,844	1,394	2,621	2,170	1,763	1,664	1,882	1,521	1,373	24,666	26.42	4,900.29	12,763
La Habra	83	22	179	128	82	114	87	66	53	1,327	0.99	269.13	687
La Palma	51	25	76	46	34	25	34	29	10	458	0.18	92.82	237
Laguna Beach CWD	77	27	96	57	38	37	39	32	19	932	0.22	204.91	482
Mesa Water	246	73	232	176	114	86	89	113	80	2,518	1.68	569.06	1,303
Moulton Niguel WD	742	250	1,127	679	442	421	790	688	575	9,921	11.28	1,973.90	5,133
Newport Beach	259	57	197	142	116	92	95	66	61	2,624	1.18	609.94	1,358
Orange	403	111	349	262	218	163	160	124	80	3,898	1.52	887.94	2,017
Orange Park Acres	-	-	-	-	-	-	-	-	-	12	0.00	3.42	6
San Juan Capistrano	127	43	190	110	76	73	92	63	33	1,459	0.68	311.29	755
San Clemente	278	63	333	206	140	94	141	75	70	2,620	1.25	565.14	1,356
Santa Margarita WD	740	257	1,105	679	553	662	792	466	367	9,516	7.13	1,930.98	4,924
Seal Beach	57	7	81	51	31	29	38	23	9	602	0.11	129.60	311
Serrano WD	23	7	21	20	13	10	26	8	11	357	0.25	81.17	185
South Coast WD	148	43	183	112	89	79	68	43	44	1,584	0.88	339.00	820
Trabuco Canyon WD	62	28	82	62	30	45	47	34	28	798	0.49	168.16	413
Tustin	144	45	174	97	78	59	80	66	44	1,612	0.93	358.46	834
Westminster	233	74	329	208	121	82	109	149	84	2,586	1.82	553.65	1,338
Yorba Linda	367	117	394	273	181	167	156	123	56	3,752	1.14	851.72	1,941
MWDOC Totals	8,106	3,331	10,686	7,350	5,365	5,094	6,002	4,726	3,668	95,564	70.98	20,063.53	18,463
Anaheim	781	860	910	477	331	285	295	266	213	10,682	3.50	2,373.57	5,527
Fullerton	330	69	397	270	200	186	211	165	107	3,695	1.92	727.14	1,912
Santa Ana	257	87	355	190	163	131	132	259	141	2,971	1.49	671.66	1,537
Non-MWDOC Totals	1,368	1,016	1,662	937	694	602	638	690	461	17,348	6.91	3,772.38	3,352
Orange County Totals	9,474	4,347	12,348	8,287	6,059	5,696	6,640	5,416	4,129	112,912	77.89	23,835.92	21,814

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

Agency	FY 09/10		FY 10/11		FY 11/12		FY 12/13		FY 13/14		FY 14/15		FY 15/16		FY16/17		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm.	
Brea	0	0	2	0	8	0	9	8	4	0	43	6	20	4	31	4	131	80	461.50
Buena Park	0	0	0	0	4	19	3	0	0	0	4	10	7	4	10	7	31	41	117.79
East Orange CWD RZ	0	0	1	0	5	0	2	0	0	0	2	0	1	0	11	1	25	1	11.15
El Toro WD	2	18	5	5	26	2	7	2	11	0	8	9	9	17	33	8	115	355	2,231.96
Fountain Valley	0	6	2	2	8	2	3	2	4	0	7	10	13	1	33	12	91	40	147.30
Garden Grove	6	0	5	4	7	0	5	2	9	0	10	14	13	11	28	0	101	38	142.54
Golden State WC	9	22	7	4	13	3	9	49	9	25	39	12	35	16	56	37	225	192	672.02
Huntington Beach	6	27	6	36	15	4	18	33	20	35	19	2	42	12	88	94	272	268	867.83
Irvine Ranch WD	14	145	28	153	267	71	414	135	71	59	67	310	239	207	344	420	1,769	2,286	9,694.03
La Habra	0	21	0	0	3	0	4	7	2	0	4	7	3	1	12	7	36	44	171.76
La Palma	0	0	0	0	1	0	1	0	2	0	2	0	3	2	1	0	10	2	4.17
Laguna Beach CWD	2	14	4	1	109	2	76	2	71	0	86	0	86	1	27	0	497	20	198.55
Mesa Water	13	7	7	22	21	0	10	2	15	2	17	28	36	12	149	41	318	154	614.51
Moulton Niguel WD	17	162	36	60	179	31	51	74	40	45	46	95	163	100	236	129	914	801	2,993.18
Newport Beach	7	58	6	0	275	12	242	26	168	75	11	9	28	43	30	12	1,038	409	2,291.98
Orange	2	13	5	8	25	0	20	24	13	9	18	31	51	13	69	10	285	165	803.10
San Juan Capistrano	7	49	13	1	103	2	14	18	6	11	6	19	20	8	22	8	222	125	547.88
San Clemente	13	209	46	11	212	17	26	7	28	2	28	24	26	3	37	13	1,051	374	2,355.06
Santa Margarita WD	10	152	61	53	262	7	53	171	64	93	53	321	189	136	326	221	1,154	1,372	4,640.61
Santiago CWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Seal Beach	0	1	0	0	0	3	1	0	1	36	1	12	2	2,446	2	4	7	2,502	3,435.01
Serrano WD	11	0	4	0	3	0	1	0	0	0	4	0	11	2	4	0	38	2	10.86
South Coast WD	3	10	13	3	78	10	13	16	8	4	104	73	9	11	7	0	278	212	992.05
Trabuco Canyon WD	2	0	2	10	12	0	6	0	2	0	6	1	16	50	13	3	103	157	839.81
Tustin	10	14	10	0	11	0	8	4	9	1	18	14	33	8	33	23	143	80	278.60
Westminster	3	0	1	1	2	0	1	1	2	0	13	17	7	1	17	12	65	44	164.35
Yorba Linda	5	21	25	0	22	0	20	0	12	5	32	2	61	27	72	71	338	183	687.59
MWDOC Totals	142	949	289	374	1,671	185	1,017	583	571	402	648	1,026	1,123	3,136	1,691	1,137	9,257	9,947	35,375.21

Anaheim	5	46	12	11	23	60	19	10	9	26	7	52	30	34	87	10	244	457	2,287.20
Fullerton	2	39	9	33	22	51	9	29	8	0	40	26	32	12	53	7	199	199	790.40
Santa Ana	1	8	8	0	6	5	8	19	7	8	9	27	22	26	15	3	82	100	278.97
Non-MWDOC Totals	8	93	29	44	51	116	36	58	24	34	56	105	84	72	155	20	525	756	3,356.58

Orange County Totals	150	1,042	318	418	1,722	301	1,053	641	595	436	704	1,131	1,207	3,208	1,846	1,157	9,782	10,703	38,732
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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			Total Program			Cumulative Water Savings across all Fiscal Years
	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	
	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	
Brea	130	0	0	65	120	0	84	0	0	157	45	0	74	2,484	0	0	0	0	572	2,749	0	32.68
Buena Park	32	0	0	65	0	0	53	0	0	248	0	0	45	98	0	0	0	0	509	173	2,535	453.42
East Orange	340	0	0	55	0	0	30	0	0	221	0	0	0	0	0	0	0	0	751	0	0	10.83
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	3,369	46,222	890	820.63
Fountain Valley	108	0	0	35	0	0	0	0	0	107	0	0	222	0	0	0	0	0	710	0	0	10.22
Garden Grove	119	0	0	95	0	0	80	0	0	88	50	0	110	0	0	55	98	0	933	299	0	19.72
Golden State	294	0	0	257	2,595	0	192	0	0	583	1,741	0	1,088	0	0	207	6,008	0	3,448	11,316	0	157.64
Huntington Beach	458	0	0	270	0	0	120	0	0	798	1,419	0	1,345	2,836	0	149	3,362	0	3,797	12,526	2,681	798.09
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	47,137	94,561	2,004	2,920.22
La Habra	33	90	0	0	0	0	15	0	0	109	338	0	300	0	0	0	0	0	481	1,236	900	221.65
La Palma	0	0	0	0	0	0	0	0	0	0	0	0	46	505	0	0	2,385	0	56	2,890	0	14.18
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	12,139	2,896	0	224.61
Mesa Water	297	277	0	270	0	0	361	0	0	229	0	0	166	0	0	113	0	0	2,030	385	343	122.17
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	11,874	20,515	2,945	1,017.52
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	46,678	21,413	0	1,178.02
Orange	343	0	0	264	0	0	245	120	0	304	668	0	631	91	0	0	0	0	3,170	1,072	0	69.27
San Clemente	4,266	117	1,343	631	172	0	415	5,074	0	326	0	0	426	0	0	0	0	0	9,989	7,538	1,343	415.75
San Juan Capistrano	949	0	0	684	30	0	370	0	0	495	737	0	310	593	0	75	123	0	5,495	8,852	0	257.03
Santa Margarita	4,817	0	0	983	0	0	389	0	0	1,207	1,513	0	1,820	837	0	15	0	0	16,165	6,921	611	450.33
Seal Beach	0	0	0	0	0	0	0	0	0	40	5,261	0	0	2,300	0	0	0	0	155	7,852	0	90.55
Serrano	58	0	0	190	0	0	105	0	0	377	0	0	695	0	0	0	0	0	3,405	0	0	55.23
South Coast	688	359	0	435	0	0	70	0	0	4,993	13,717	0	1,421	2,889	0	16	0	0	8,130	18,870	0	323.31
Trabuco Canyon	379	0	0	34	0	0	0	0	0	56	0	0	130	0	0	0	4,339	0	2,086	5,130	0	70.87
Tustin	476	1,013	0	378	0	0	329	0	0	408	0	0	317	386	0	65	-341	0	3,371	1,058	0	68.37
Westminster	26	0	0	15	0	0	0	0	0	54	0	0	73	0	0	105	0	0	464	0	0	6.53
Yorba Linda	559	0	0	730	0	0	40	990	0	921	0	0	1,715	0	0	213	0	0	6,081	4,359	500	278.38
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	192,995	278,833	14,752	10,087.19

Anaheim	742	38,554	0	459	813	0	338	0	0	498	712	0	794	5,221	0	147	3,953	0	4,020	49,799	105	630.16
Fullerton	409	0	0	119	0	0	107	0	0	684	1,196	0	521	7,015	0	65	3,034	0	2,910	11,309	1,484	386.40
Santa Ana	22	65	0	99	0	0	86	2,533	0	310	0	0	0	1,420	0	0	1,106	0	859	5,752	0	85.35
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	7,789	66,860	1,589	1,101.91

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	200,784	345,693	16,341	11,189.10
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SOCAL WATER\$MART COMMERCIAL PLUMBING FIXTURES REBATE PROGRAM^[1]

INSTALLED BY AGENCY through MWDOC and Local Agency Conservation Programs

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	FY 16/17	Totals	Cumulative Water Savings across all Fiscal Years
Brea	27	113	24	4	1	234	0	10	91	734	1,365	421
Buena Park	153	432	122	379	290	5	23	56	591	133	2,489	1,076
East Orange CWD RZ	0	0	0	0	0	0	0	0	0	0	0	0
El Toro WD	0	92	143	1	137	0	212	6	268	35	1,062	587
Fountain Valley	17	35	0	2	314	0	0	1	249	0	872	584
Garden Grove	5	298	130	22	0	4	1	167	676	410	2,451	1,484
Golden State WC	46	414	55	68	135	0	1	0	1,008	53	2,865	1,896
Huntington Beach	48	104	126	96	156	104	144	7	783	641	2,954	1,565
Irvine Ranch WD	121	789	2,708	1,002	646	1,090	451	725	11,100	5,958	27,866	7,340
La Habra	191	75	53	4	0	0	0	0	340	42	925	546
La Palma	0	140	21	0	0	0	0	0	0	509	675	103
Laguna Beach CWD	20	137	189	0	0	0	27	0	0	0	446	312
Mesa Water	141	543	219	669	41	6	0	79	661	782	4,254	2,069
Moulton Niguel WD	9	69	151	6	0	0	0	3	413	281	1,277	821
Newport Beach	98	27	245	425	35	0	0	566	0	0	1,834	1,279
Orange	18	374	67	1	73	1	271	81	275	2,851	5,030	1,801
San Juan Capistrano	2	1	1	0	0	0	14	0	0	0	260	397
San Clemente	2	18	43	0	19	0	0	1	0	0	432	381
Santa Margarita WD	6	23	11	0	0	0	0	2	90	743	950	235
Santiago CWD	0	0	0	0	0	0	0	0	0	0	0	0
Seal Beach	1	2	124	0	0	0	0	0	0	184	538	427
Serrano WD	0	0	0	0	0	0	0	0	0	0	0	0
South Coast WD	9	114	56	422	84	148	0	382	0	0	1,320	509
Trabuco Canyon WD	0	4	0	0	0	0	0	0	0	0	11	15
Tustin	115	145	25	230	0	0	0	75	358	212	1,402	822
Westminster	40	161	16	63	35	1	28	0	146	177	1,138	998
Yorba Linda	10	24	8	30	0	1	0	0	226	84	595	559
MWDOC Totals	1,079	4,134	4,537	3,424	1,966	1,594	1,172	2,161	17,275	13,829	63,011	26,224
Anaheim	766	3,298	582	64	48	165	342	463	3,072	309	13,753	6,901
Fullerton	133	579	29	4	0	94	0	178	476	621	2,778	1,627
Santa Ana	493	815	728	39	12	16	17	5	1,293	238	5,737	4,668
Non-MWDOC Totals	1,392	4,692	1,339	107	60	275	359	646	4,841	1,168	22,268	13,196
Orange County Totals	2,471	8,826	5,876	3,531	2,026	1,869	1,531	2,807	22,116	14,997	85,279	39,421

[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.

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

INDUSTRIAL PROCESS WATER USE REDUCTION PROGRAM

Number of Process Changes by Agency

Agency	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Overall Program Interventions	Annual Water Savings[1]	Cumulative Water Savings across all Fiscal Years[1]
Brea	0	0	0	0	0	0	0	0	0	0	0
Buena Park	0	0	0	0	0	0	1	0	2	54	460
East Orange	0	0	0	0	0	0	0	0	0	0	0
El Toro	0	0	0	0	0	0	0	0	0	0	0
Fountain Valley	0	0	0	0	0	0	0	0	0	0	0
Garden Grove	0	0	0	0	0	0	1	0	1	0	0
Golden State	0	0	0	0	0	0	0	0	1	3	27
Huntington Beach	0	0	0	2	0	1	2	0	5	132	463
Irvine Ranch	2	1	1	1	1	0	2	0	8	102	542
La Habra	0	0	0	0	0	0	1	0	1	0	0
La Palma	0	0	0	0	0	0	0	0	0	0	0
Laguna Beach	0	0	0	0	0	0	0	0	0	0	0
Mesa Water	0	0	0	0	0	0	0	0	0	0	0
Moulton Niguel	0	0	0	0	0	0	0	0	0	0	0
Newport Beach	0	0	0	0	0	1	0	0	1	21	55
Orange	0	0	0	0	0	0	1	2	4	88	431
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0	0
San Clemente	0	0	0	0	0	0	0	0	0	0	0
Santa Margarita	0	0	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	0	0	0	0	0	0
Serrano	0	0	0	0	0	0	0	0	0	0	0
South Coast	0	0	0	0	0	0	1	0	1	0	0
Trabuco Canyon	0	0	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0	0	0
Westminster	0	0	0	0	0	0	0	0	0	0	0
Yorba Linda	0	0	0	0	0	0	0	0	0	0	0
MWDOC Totals	2	1	1	3	1	2	9	2	24	401	1978
Anaheim	0	0	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	0	0	0	0	0	0	0
Santa Ana	0	0	0	0	0	0	1	0	1	11	259
OC Totals	2	1	1	3	1	2	10	2	25	412	2237

[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		Total Program		Cumulative Water Savings across all Fiscal Years
	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	215,964	444,973	210.18
Buena Park	0	0	0	0	0	0	11,670	1,626	77,127	16,490	3,741	0	92,538	18,116	32.32
East Orange	0	0	0	0	1,964	0	18,312	0	27,844	0	0	0	48,120	0	16.59
El Toro	4,723	0	4,680	72,718	4,582	0	27,046	221,612	63,546	162,548	13,139	48,019	117,716	504,897	237.01
Fountain Valley	1,300	0	682	7,524	4,252	0	45,583	5,279	65,232	0	3,679	0	120,728	12,803	49.36
Garden Grove	14,013	0	4,534	0	8,274	0	67,701	22,000	177,408	49,226	11,504	0	283,434	117,403	167.57
Golden State	42,593	30,973	31,813	3,200	32,725	8,424	164,507	190,738	310,264	112,937	0	0	581,902	346,272	377.04
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	538,872	415,705	355.17
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	1,330,573	3,163,597	1,373.14
La Habra	0	8,262	0	0	0	0	14,014	1,818	49,691	72,164	0	0	63,705	90,019	55.33
La Palma	0	0	0	0	0	0	4,884	0	10,257	59,760	0	0	15,141	59,760	21.66
Laguna Beach	2,533	0	2,664	1,712	4,586	226	13,647	46,850	47,614	0	3,059	0	75,081	48,788	48.01
Mesa Water	6,777	0	10,667	0	22,246	0	131,675	33,620	220,815	106,896	4,173	77,033	396,353	217,549	198.16
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	1,456,463	2,840,054	1,527.15
Newport Beach	3,454	0	3,548	2,346	894	0	33,995	65,277	76,675	375,404	2,924	0	121,490	443,027	176.21
Orange	12,971	0	15,951	8,723	11,244	0	120,093	281,402	289,990	106,487	12,847	2,366	463,096	398,978	316.23
San Clemente	21,502	0	16,062	13,165	18,471	13,908	90,349	1,137	215,249	438,963	4,267	0	365,900	467,173	278.85
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	365,415	347,277	310.13
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	796,632	1,169,453	687.85
Seal Beach	0	0	3,611	0	0	0	15,178	504	17,349	15,911	1,234	0	37,372	16,415	18.60
Serrano	0	0	0	0	2,971	0	41,247	0	127,877	4,403	5,450	0	177,545	4,403	56.79
South Coast	6,806	0	9,429	4,395	15,162	116,719	84,282	191,853	181,102	128,290	14,967	0	311,748	457,581	309.94
Trabuco Canyon	272	0	1,542	22,440	2,651	0	14,771	0	42,510	88,272	1,465	0	63,211	110,712	61.53
Tustin	0	0	9,980	0	1,410	0	71,285	14,137	232,697	33,362	11,173	0	326,545	47,499	119.71
Westminster	0	0	0	0	0	0	14,040	34,631	71,833	23,902	11,112	0	96,985	58,533	48.80
Yorba Linda	0	0	0	0	0	0	112,136	12,702	360,279	116,985	19,420	0	503,184	129,687	199.90
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	8,965,713	11,930,674	7,253.22

Anaheim	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	9,214	5.16
Santa Ana	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	9,214	5.16

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	8,965,713	11,939,888	7,258
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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	FY05-06	FY 06-07	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	FY 16-17	Total	Cumulative Water Savings across all Fiscal Years
Brea	0	2	7	43	48	8	0	0	38	146	154	4	450	77.50
Buena Park	0	1	2	124	176	7	0	0	96	153	112	13	684	156.79
East Orange CWD RZ	0	0	10	12	1	0	0	0	13	26	24	0	86	16.77
El Toro WD	0	392	18	75	38	18	0	133	218	869	264	12	2,037	437.55
Fountain Valley	0	69	21	262	54	17	0	0	41	132	220	7	823	207.90
Garden Grove	0	14	39	443	181	24	0	0	63	350	363	7	1,484	348.22
Golden State WC	2	16	36	444	716	37	80	2	142	794	512	9	2,790	639.07
Huntington Beach	2	13	59	607	159	76	0	0	163	1,190	628	4	2,901	574.80
Irvine Ranch WD	29	1,055	826	5,088	2,114	325	0	1,449	810	1,777	2,798	638	16,909	4,564.12
Laguna Beach CWD	0	2	17	91	28	11	0	0	45	112	81	1	388	84.74
La Habra	0	3	18	296	34	20	0	0	37	94	83	5	590	165.55
La Palma	0	1	10	36	26	13	0	0	21	59	52	0	218	46.77
Mesa Water	0	247	19	736	131	7	0	0	147	162	162	7	1,618	512.11
Moulton Niguel WD	0	20	104	447	188	46	0	0	400	2,497	1,939	49	5,690	856.59
Newport Beach	0	5	19	163	54	13	0	0	49	168	243	11	725	146.06
Orange	1	20	62	423	79	40	0	1	142	978	416	17	2,179	422.48
San Juan Capistrano	0	10	7	76	39	11	0	0	35	140	202	3	523	94.48
San Clemente	0	7	22	202	66	21	0	0	72	225	246	11	872	181.13
Santa Margarita WD	0	5	14	304	151	44	0	0	528	997	1,152	114	3,309	509.35
Seal Beach	0	678	8	21	12	1	0	2	17	50	69	-1	857	348.77
Serrano WD	2	0	1	13	5	0	0	0	2	40	55	3	121	18.39
South Coast WD	2	2	29	102	41	12	23	64	102	398	235	11	1,021	179.05
Trabuco Canyon WD	0	0	4	23	23	0	0	0	10	108	169	2	339	48.30
Tustin	0	186	28	387	479	17	0	0	64	132	201	12	1,506	460.74
Westminster	0	17	25	541	167	23	0	0	35	161	359	3	1,331	346.73
Yorba Linda WD	0	14	89	323	96	18	0	0	40	280	379	12	1,251	281.53
MWDOC Totals	38	2,779	1,494	11,282	5,106	809	103	1,651	3,330	12,038	11,118	954	50,702	11,725.49
Anaheim	0	255	78	2,771	619	114	0	0	156	1,188	614	70	5,865	1,692.15
Fullerton	0	4	28	286	60	23	0	0	61	293	286	14	1,055	223.35
Santa Ana	0	11	25	925	89	23	0	0	33	602	293	20	2,021	515.52
Non-MWDOC Totals	0	270	131	3,982	768	160	0	0	250	2,083	1,193	104	8,941	2,431.02
Orange County Totals	38	3,049	1,625	15,264	5,874	969	103	1,651	3,580	14,121	12,311	1,058	59,643	14,156.51

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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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, July 6, 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.

4. FINANCIAL MATTERS – MAY, 2017

A. Monthly Financials Report

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|---|---|
| 1) Summary of Disbursements for December 2016 – Exhibit A | 2 |
| 2) Schedule of Funds Available for Reinvestment – Exhibit B | 3 |
| 3) Schedule of Cash and Investments – Exhibit C | 4 |
| 4) Capital Projects Summary – Exhibit D | 5 |
| Capital Projects Budget vs. Actual Graph – Exhibit D1 | 6 |

5) Budget vs. Actual Expenses – Exhibits E1-E4	
Operations/Maintenance & Environmental Safety Costs – Exhibit E1	7
Operations/Maintenance Budget vs. Actual by PC – Exhibit E1A	9
Engineering Budget vs. Actual Comparison – Exhibit E2.....	15
Administration Budget vs. Actual Comparison – Exhibit E3	16
Information Technology (IT) Budget vs. Actual Comparison – Exhibit E4.....	17

ACTION

Ratify disbursements and receive and file subject reports.

- B. Finance Controller to review PC15/PCA AWT for expenditures trending over budget. Finance Controller to discuss close of fiscal year expenditures trends for other year-end expenses 14

ACTION

- 1) PC15/PCA AWT to approve over budget expenditures in the amount of \$4,186 – Exhibit E-1-A Page 2
- 2) Direction to staff

5. RESOLUTION NO. 2017-05 - APPROVING THE EMPLOYEE MANUAL FOR ALL SOCWA EMPLOYEES 18

Discussion and Action to be considered following closed session noticed below.

ACTION

The Board will be requested to approve Resolution 2017-05, A Resolution of the Board of the South Orange County Wastewater Authority Approving the Employee Manual for All SOCWA Employees.

6. UPDATE ON STATE JOINT LEGISLATIVE AUDIT COMMITTEE ACTION TO COMMENCE AUDIT OF SOCWA SUBJECT TO STATE AUDITOR REVIEW OF POTENTIAL THAT AUDIT COULD HAVE AN IMPACT ON EXISTING LITIGATION (discussion in open session following closed session below). Items to be discussed to include public information and SOCWA outreach to the community and staffing/preparation for the audit (if it proceeds)..... 117

ACTION

Board discussion and direction to staff.

7. SOCWA BYLAWS – BOARD CHAIR PROPOSES DISCUSSION OF EXECUTIVE COMMITTEE PARTICIPATION FOR FY 2017-18 (current and past bylaws attached for discussion) 137

ACTION

Board discussion and direction to staff.

8. O.C. 800 MEGAHERTZ COMMUNICATION SYSTEM – JOINT AGREEMENT for the OPERATION, MAINTENANCE & FINANCIAL MANAGEMENT of the SYSTEM 144

ACTION

The Board will be requested to approve contracts as submitted at a maintenance fee at \$382 per year as follows: 1) New Participating Agency Rider, 2) Amendment to Joint Agreement O&M and Financial Management, 3) Joint Agreement for the Operation, Maintenance and Financial Management of Orange County 800 Megahertz System.

9. CLOSED SESSION

- A. Conference with SOCWA Labor Negotiator – Closed Session.

In Preparation for 2017- Employee Manual renewal, a Closed Session will be conducted in accordance with Government Code Section 54957.6.

Conference with SOCWA Negotiator - Betty Burnett, GM Employee Organization – SOCWA Employee Association

- C. A Closed Session will be conducted for the following matter:

Existing Litigation per paragraph (1) of subdivision (d) of Government Code Section 54956.9, *Case of SOCWA, et al. v. Moulton Niguel Water District*
Case number 30-2017-00923143-CU-BC-CJC.

10. REPORT OUT OF CLOSED SESSION

11. OTHER MATTERS

- A. Open discussion or items received too late to be agendaized.

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

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

12. ADJOURNMENT

THE NEXT REGULAR SOCWA BOARD MEETING WILL BE HELD ON
AUGUST 3, 2017 AT 8:30 A.M.

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

July 13, 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 **Thursday, July 13, 2017 at 8:30 p.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 BOARD 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

July 13, 2017

Page 2 of 2

3. Review/Approval of Meeting Minutes (June '17)
4. Operations Report
5. Outfall Dilution Study (Project Committees 5 and 24)
6. Effluent Transmission Main – Trail Bridge Crossing Protection Draft Request for Proposals (Project Committee 21)
7. Coastal Treatment Plant Access Road Repair Status Report (Project Committees 15 and 21)
8. J. B. Latham Treatment Plant Facility Improvements Packages A/C Construction Project Update (Project Committee 2)
9. J. B. Latham Treatment Plant Facility Improvements Package B Draft Request for Proposals (Project Committee 2)
10. Regional Treatment Plant Switchgear and Cogeneration Upgrade Construction Project Update (Project Committee 17)
11. Regional Treatment Plant Miscellaneous Improvements 2017 Final Design Proposal Review (Project Committee 17)
12. Coastal Treatment Plant Export Sludge Status Report (Project Committee 15)
13. Coastal Treatment Plant Miscellaneous Improvements 2015 Close-Out Report (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 9th day of July 2017.



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



Street Address:

18700 Ward Street
Fountain Valley, California 92708

Mailing Address:

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

(714) 963-3058

Fax: (714) 964-9389

www.mwdoc.com

Wayne S. Osborne
President

Brett R. Barbre
Vice President

Larry D. Dick
Director

Joan C. Finnegan
Director

Megan Yoo Schneider
Director

Sat Tamaribuchi
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

**NOTICE OF CANCELLATION
PLANNING & OPERATIONS COMMITTEE MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**

Notice is hereby given that due to a lack of quorum, the Planning & Operations Committee meeting of the Board of Directors of the Municipal Water District of Orange County (MWDOC) to be held on Monday, July 3, 2017 at 8:30 a.m. at the offices of the District, 18700 Ward Street, Fountain Valley, California, **is hereby canceled without transaction of business.**

**Maribeth Goldsby, Board Secretary
Municipal Water District of Orange County**

June 26, 2017
DATE POSTED

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
July 5, 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

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

(NEXT RESOLUTION NO. 2057)

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. SERIES OF DISCUSSIONS ON THE CALIFORNIA WATERFIX – PRESENTATION BY METROPOLITAN BAY-DELTA MANAGER STEVE ARAKAWA

Recommendation: Review and discuss the information presented.

3. METROPOLITAN CYCLIC STORAGE AGREEMENT

Recommendation: Review and discuss the information presented

4. “MAKING CONSERVATION A CALIFORNIA WAY OF LIFE” – LEGISLATIVE UPDATE

Recommendation: Review and discuss the information presented.

5. 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.

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

- a. Summary regarding June Board Meeting
- b. Review items of significance for MET Board and Committee Agendas
- c. IRP Policy Principles

Recommendation: Review and discuss the information presented.

ADJOURNMENT

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

**MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
July 12, 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

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

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

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

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

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

PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – June 2017
 - b. Disbursement Approval Report for the month of July 2017
 - c. Disbursement Ratification Report for the month of June 2017
 - d. GM Approved Disbursement Report for the month of June 2017
 - e. Water Use Efficiency Projects Cash Flow – June 30, 2017
 - f. Consolidated Summary of Cash and Investment – May 2017
 - g. OPEB Trust Fund monthly statement
2. FINANCIAL REPORT - Combined Financial Statements and Budget Comparative for the Period ending May 31, 2017

ACTION ITEMS

3. CORRECTED MWDOC WATER RATE RESOLUTION FOR FISCAL YEAR 2017-18

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. FY 2017-18 CHOICE PROGRAMS UPDATE
5. STATUS REPORT ON CONTRACTS EXECUTED UNDER THE GENERAL MANAGER'S AUTHORITY
6. DEPARTMENT ACTIVITIES REPORTS
 - a. Administration
 - b. Finance and Information Technology
7. MONTHLY WATER USAGE DATA, TIER 2 PROJECTION, AND WATER SUPPLY INFORMATION

OTHER ITEMS

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

ADJOURNMENT

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

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

MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
July 17, 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

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

PUBLIC PARTICIPATION

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

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

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

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

DISCUSSION ITEMS

1. LEGISLATIVE ACTIVITIES
 - a. Federal Legislative Report (Barker)
 - b. State Legislative Report (BBK)
 - c. County Legislative Report (Lewis)
 - d. Legal and Regulatory Report (Ackerman)
 - e. MWDOC Legislative Matrix
 - f. Metropolitan Legislative Matrix
2. DEVELOP PROGRAM GOALS FOR MWDOC'S FEDERAL ADVOCACY PROGRAM

ACTION ITEMS

3. ADOPT LEGISLATIVE POSITIONS - AB 1000 (Friedman) – Water conveyance: use of facility with unused capacity
4. CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) 2017 BOARD OF DIRECTORS ELECTION – SOUTHERN NETWORK REGION, SEAT C
5. SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY (SDRMA) BOARD OF DIRECTORS ELECTION 2017
6. AUTHORIZE THE GENERAL MANAGER TO ENTER INTO METROPOLITAN CYCLIC AGREEMENT(S)

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

7. UPDATE ON CORE HIGH SCHOOL WATER EDUCATION PROGRAM
8. ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA) PRESIDENT AND VICE PRESIDENT – CALL FOR CANDIDATES
9. EDUCATION REPORT
 - a. Elementary
 - b. High School
10. RECAP OF 2017 OC WATER SUMMIT
11. UPDATE ON WATER POLICY DINNER
12. OC LAFCO UPDATE
13. PUBLIC AFFAIRS ACTIVITIES REPORT

OTHER ITEMS

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

ADJOURNMENT

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

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

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
July 19, 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

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

EMPLOYEE SERVICE AWARDS

NEXT RESOLUTION NO. 2057

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. June 7, 2017 Workshop Board Meeting
- b. June 21, 2017 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee: June 5, 2017
- b. Administration & Finance Committee: June 14, 2017
- c. Public Affairs & Legislation Committee: June 19, 2017
- d. Executive Committee Meeting: June 22, 2017

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of June 30, 2017
- b. MWDOC Disbursement Registers (June/July)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of May 30, 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 May 31, 2017

Recommendation: Receive and file as presented.

– End Consent Calendar –

ACTION ITEMS**5-1 CORRECTED MWDOC WATER RATE RESOLUTION FOR FISCAL YEAR 17-18
RES. NO. _____**

Recommendation: Adopt the corrected Water Rate Resolution setting forth rates and charges to be effective July 1, 2017 and January 1, 2018, as identified for Fiscal Year 2017-18; and supersedes MWDOC Water Rate Resolution No. 2051, adopted May 17, 2017. This is the result of Metropolitan Water District correcting its Readiness-to-Serve Charge for 2017-18.

**5-2 ADOPT LEGISLATIVE POSITIONS - AB 1000 (FRIEDMAN) – WATER
CONVEYANCE: USE OF FACILITY WITH UNUSED CAPACITY**

Recommendation: Adopt an oppose position on AB 10-00 (Friedman).

5-3 CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) 2017 BOARD OF DIRECTORS ELECTION – SOUTHERN NETWORK REGION, SEAT C

Recommendation: Authorize President Osborne, or his designee, to cast the District's ballot for the CSDA Board of Directors Southern Network, "Seat C."

5-4 SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY (SDRMA) BOARD OF DIRECTORS ELECTION 2017 RES. NO. _____

Recommendation: Adopt Resolution supporting candidates for the SDRMA Board of Directors election as recommended by the Public Affairs & Legislation Committee, and authorize staff to submit the ballot no later than August 29, 2017.

5-5 AUTHORIZE THE GENERAL MANAGER TO ENTER INTO METROPOLITAN CYCLIC AGREEMENT(S)

Recommendation: Authorize the General Manager to enter into Cyclic Agreement(s) with the Metropolitan Water District, Orange County Water District, and potentially the cities of Anaheim, Fullerton, and Santa Ana, implementing a one-time Metropolitan In-Lieu Program, as adopted by the Metropolitan Board on July 11, 2017.

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, JULY 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 ITEMS**8. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

Pursuant to Paragraph (2) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California in 2017 to be effective January 1, 2018, et al., Los Angeles Superior Court, Case No. BS 169881.

9. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 13, 2010, et al., former Los Angeles Superior Court, Case No. BS 126888, transferred on October 21, 2010, to San Francisco Superior Court, Case No. CPF-10-510830. [Court of Appeal No. A146901]

10. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Paragraph (1) of subdivision (d) of Government Code Section 54956.9. One Case: San Diego County Water Authority v. Metropolitan Water District of Southern California; all persons interested in the validity of the rates adopted by the Metropolitan Water District of Southern California on April 10, 2012 to be Effective January 1, 2013 and January 1, 2014; and Does 1-10, et al., former Los Angeles Superior Court, Case No. BS137830, transferred on August 23, 2012, to San Francisco Superior Court, Case No. CPF-12-512466. [Court of Appeal No. A148266]

11. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

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

12. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

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

ADJOURNMENT

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

GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES JULY 2017

Managers' Meeting	<p>MWDOC held its Managers' meeting on June 22, 2017 at its office in Fountain Valley. In attendance were Mike Grisso (Buena Park); Brian Ragland (Huntington Beach); Paul Cook and Paul Weghorst (IRWD); John Kennedy (OCWD); Jose Diaz (Orange); Dan Ferons (SMWD); Scott Miller (Westminster); Marc Marcantonio (YLWD); Steve Conklin (YLWD); Drew Atwater (MNWD); Mark Sprague (Fountain Valley); and Karl Seckel; Harvey De La Torre; Charles Busslinger; Kevin Hostert; Chris Lingad; Heather Baez; Damon Micalizzi; Tiffany Baca; Bryce Roberto; Kelly Hubbard; Francisco Soto; and myself of staff.</p> <p>The agenda included the following:</p> <ol style="list-style-type: none"> 1. MET/SDCWA Litigation 2. MET IRP Workshop Follow-up 3. Water Supply Conditions & MET Storage 4. Legislative Update 5. Oroville Spillway Recovery 6. WEROC Update <p>The next meeting is scheduled for July 20, 2017.</p>
CA WaterFix/Eco Restore	<p>Director Tamaribuchi and Karl and I have continued meeting with Mr. Garry Brown (Coastkeeper), Mr. Curt Schmutte (MET), and Dr. Peter Moyle (Center for Watershed Sciences UCD) and other environmental leaders to continue garnering support for the project. We had meetings and conference calls to provide feedback regarding Dr. Moyle's white paper, Draft Delta Renewed Implementation Plan.</p>
Association of Municipal Water Agencies (AMWA)	<p>In Philadelphia, I attended an AMWA Board of Directors' meeting during the AWWA ACE 17 Conference.</p>
State of South Orange County	<p>At Mission Viejo Country Club, Directors Larry Dick, Megan Yoo Schneider, Sat Tamaribuchi and Jeff Thomas and Heather, Jonathan and I attended the State of South County sponsored by the South Orange County Economic Coalition featuring an update from 5th District Supervisor, Lisa Bartlett.</p>

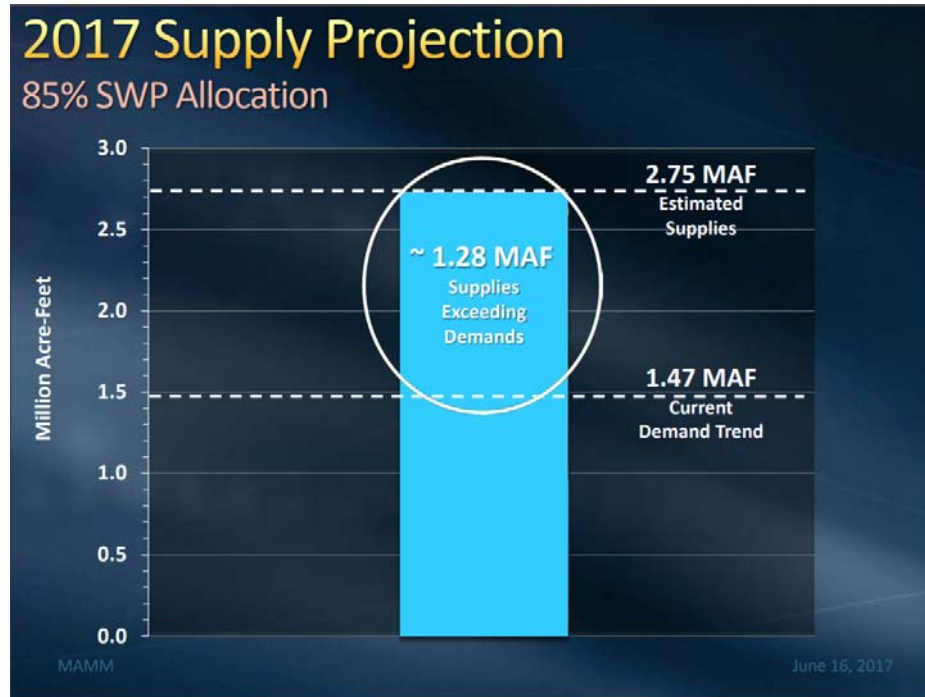
MET ITEMS CRITICAL TO ORANGE COUNTY

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%, Metropolitan (MET) will have approximately 1.624 million acre-feet (MAF) in SWP deliveries this water year. So far, MET has received approximately 124 TAF of Article 21 supplies through May. On the Colorado River system, there is an estimated 960 TAF.

MET is projecting that supplies will exceed demand levels in CY 2017. With a current demand trend of 1.47 MAF, Metropolitan is expected to increase their dry-year by 1.28 MAF. 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.



MET's Water Supply Conditions (Continued)

Metropolitan is Forecasting an Increase in Storage Reserves this Year

End of Year Balances



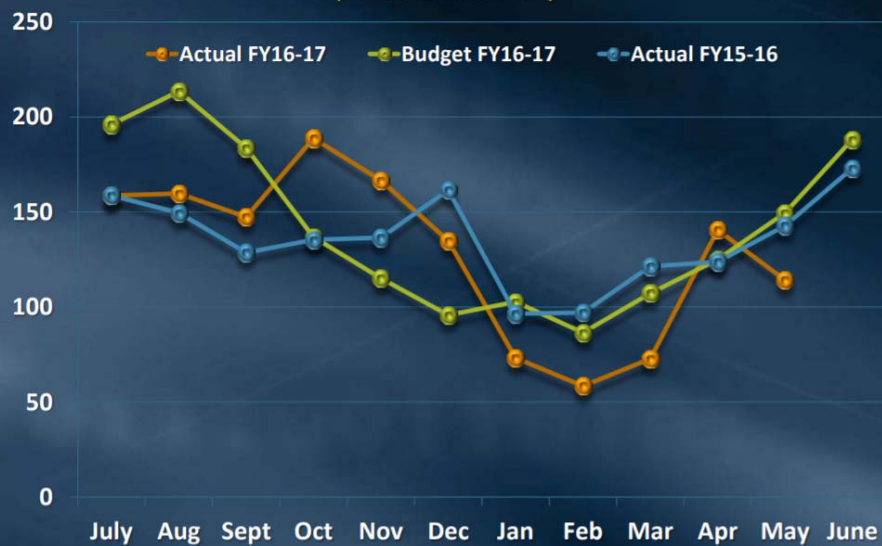
MET's Finance and Rate Issues

MET Financial Report

Cumulative water sales through May were 96.5 TAF lower than budgeted and 234.3 TAF lower than the 5-year average. Sales are expected to total 1.56 MAF by the end of the fiscal year. May 2017 deliveries at 113 TAF were 26 TAF lower than May 2016.

Monthly Water Sales

(AF in thousands)



Colorado River Issues	<p><u>Reclamation Issues Colorado River Accounting and Water Use: Arizona, California, and Nevada for 2016</u></p> <p>On May 15, the Bureau of Reclamation (Reclamation) issued the Colorado River Accounting and Water Use report for water use in the Lower Basin for calendar year 2016. Some of the highlights from the 2016 Decree accounting report include:</p> <ol style="list-style-type: none"> 1. Imperial Irrigation District (IID) stored 56,232 acre-feet of Extraordinary Conservation Intentionally Created Surplus (ECICS) water with MET in 2016. IID generated and delivered this ECICS water to MET pursuant to the California Agreement for the Creation and Delivery of Extraordinary Conservation Intentionally Created Surplus, as amended. In order to store this water, on May 12 MET agreed to IID's request to store additional ECICS water generated by IID within MET's system. MET had previously agreed to store up to 50,000 acre-feet. 2. The MET/Bard Water District Seasonal Fallowing Program conserved 951 acre-feet of water in its first year of the two-year pilot program. 3. For the first time in several years, MET did not store any water in its service area for the Southern Nevada Water Authority. <p><u>Consultation on Reclamation's Annual Operating Plan for Colorado River Reservoir in 2018 Has Started</u></p> <p>On May 25, Reclamation held the first of three consultation meetings regarding its Annual Operating Plan for Colorado River Reservoirs in 2018. Each year, Reclamation prepares an AOP that reports on operations of Colorado River Reservoirs during the past year, and projects operations and releases for the current year based on current and projected reservoir elevations and hydrologic conditions throughout the basin.</p> <p><u>San Luis Rey Indian Water Rights Settlement</u></p> <p>On May 17, 2017, the Secretary of the Federal Energy Regulatory Commission issued its "Notice of Effective Date for Exemption from Licensing (Conduit), Surrender of License, and Dismissal of Relicense Application" for the Escondido Project. The Escondido Project is located on the San Luis Rey River and Escondido Creek, near the city of Escondido. With issuance of the Notice, the last condition necessary for the San Luis Rey Indian Water Rights Settlement Agreement to take effect was satisfied. Under the October 10, 2003 agreement among</p>
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Colorado River Issues (Continued)	<p>MET, the San Luis Rey Settlement Parties, and the United States, Reclamation has been making available to MET, 16,000 acre-feet of water annually as a result of the All-American Canal and Coachella Canal Lining Projects. In return, MET had been placing funds into trust for the Indian Water Authority until the requirements of Section 104 of the San Luis Rey Indian Water Rights Settlement Act had been satisfied. As a result of the final requirements being satisfied, MET has disbursed the funds it had been holding in trust for the San Luis Rey Indian Water Authority to the Indian Water Authority.</p>
Bay Delta/State Water Project Issues	<p><u>California WaterFix</u></p> <p>On June 26, federal agencies responsible for the protection of species listed under the Endangered Species Act (ESA) provided biological opinions on the proposed construction and operation of California WaterFix. These biological opinions allow WaterFix to continue moving toward construction as early as 2018. This important project is designed to ensure a reliable water source for 25 million Californians while affording environmental protections for multiple species that depend upon the Sacramento-San Joaquin Delta.</p> <p>The U.S. Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NOAA Fisheries) implement the ESA, with NOAA Fisheries primarily responsible for marine species and the Service for land and freshwater species. Under the ESA, other federal agencies must consult with the Service and NOAA when their activities have the potential to impact federally endangered or threatened species.</p> <p>The biological opinions analyze the effects to ESA-listed species, including the threatened Delta smelt, endangered Sacramento River winter-run Chinook salmon, threatened spring-run Chinook salmon, threatened North American green sturgeon, threatened California Central Valley steelhead and endangered Southern Resident Killer Whales, which depend heavily on Chinook salmon for food.</p> <p>The Service biological opinion is available at https://www.fws.gov/sfbaydelta/HabitatConservation/CalWaterFix/Index.htm, and the biological opinion from NOAA Fisheries at http://www.westcoast.fisheries.noaa.gov/central_valley/CAWaterFix.html.</p> <p>The biological opinions recognize the uncertainty inherent in the dynamic ecology of the Delta and include a strong adaptive management component, where research, monitoring, and real-time tracking of fish populations and other factors will guide future operation of the new intakes.</p>

<p>Bay Delta/State Water Project Issues (Continued)</p>	<p>The biological opinions are important components of the analysis of the environmental effects of WaterFix. The Final Environmental Impact Report (EIR) and Environmental Impact Statement (EIS) released in December 2016 include measures to avoid or minimize impacts that could arise from the proposed project.</p> <p>Once the EIR has been certified through completion of the California Environmental Quality Act process, the California Department of Fish and Wildlife will be able to consider whether to issue an “incidental take” permit for the construction and operation of WaterFix under the California Endangered Species Act.</p> <p>These biological opinions will also be considered by permitting agencies, including the State Water Resources Control Board in its hearing now underway on a petition by DWR and Reclamation to allow for the change in points of diversion to add three new intakes on the Sacramento River as part of WaterFix. WaterFix would not change the volume of water to which the SWP and CVP are entitled to divert, but would add additional diversion points in a more environmentally protective place that also is easier to safeguard against natural disaster such as earthquake and sea-level rise due to climate change.</p> <p><u>Top Takeaways from USFWS California WaterFix Biological Opinion</u></p> <ul style="list-style-type: none"> • The U.S. Fish and Wildlife Service issued a "no jeopardy" finding in the California WaterFix Biological Opinion for species under the Service's jurisdiction. • The Service analyzed the impact of the construction and proposed operation of the twin tunnels on 16 species. Our analysis found that the following species would likely be impacted in some way: California red-legged frog, California tiger salamander, Delta smelt, giant garter snake, least Bell's vireo, San Joaquin kit fox, valley elderberry longhorn beetle, vernal pool fairy shrimp, vernal pool tadpole shrimp and western yellow-bill cuckoo. Several species evaluated for the potential to be negatively impacted likely won't be, including the California clapper rail, California least tern, riparian brush rabbit, salt marsh harvest mouse, soft bird's beak and Suisun thistle.
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Bay Delta/State Water Project Issues (Continued)	<ul style="list-style-type: none"> • The Service's work is not over. Elements of the California WaterFix project are still under development and will require additional consultation with the Service in the future. Those elements that will require a subsequent biological opinion include construction of the diversion structures in the North Delta and operations of new diversion structures and existing Central Valley Project and State Water Project pumping plants under dual conveyance. • California WaterFix could increase Delta smelt habitat availability along the San Joaquin River area of the Delta, improve flow conditions, reduce the number of Delta smelt drawn into the portion of the Delta that is negatively influenced by the Federal and state water export facilities, and mitigate for effects of the project by restoring more than 1,800 acres of Delta smelt habitat. The benefits are expected to compliment the 30,000 acres of habitat restoration throughout the Delta from California's EcoRestore program and implementation of activities contained in the 2016 Delta Smelt Resiliency Strategy. <p><u>Litigation Challenging Biological Opinions for California WaterFix</u></p> <p>On June 29, two cases were filed in the United States District Court, Northern District of California, challenging the validity of the biological opinions issued by the USFWS and the NOAA Fisheries. Both cases challenge the validity of the biological opinions which were issued on June 26 for the California WaterFix. In each case, plaintiffs asked that the biological opinions be withdrawn and that consultation regarding the impact of the California WaterFix on threatened or endangered fish species be reinitiated.</p> <p>The first case was filed by The Bay Institute, the Natural Resources Defense Council and Defenders of Wildlife. The named defendants are Ryan Zinke, Secretary of the Interior; Greg Sheehan, Acting Director of USFWS; and USFWS.</p> <p>The second case was filed by the same environmental entities plus the Golden Gate Salmon Association. The named defendants are Wilbur Ross, Secretary of Commerce; Chris Oliver, Acting Administrator of NOAA Fisheries; and NOAA Fisheries.</p>
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ENGINEERING & PLANNING

Doheny Desalination Project	South Coast WD's Board approved a resolution in late June to submit an application for grant funding from the Department of Water Resources (Proposition 1 Water Desalination Grant Program) of up to \$10 million for the construction of the Doheny Ocean Desalination Project with the caveat that the application could be withdrawn if necessary. Major effort on the EIR is currently on hold, pending results of updated Slant Well Modeling. Pending results of the modeling, a 2 nd Scoping Meeting is anticipated in July 2017 and completion of the EIR anticipated in June 2018.
Poseidon Resources	Poseidon is still working on the permitting process and OCWD is still working on the system integration concepts.
Orange County Reliability Study	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, and assessment of the value of new storage. The work is expected to be completed in the next few months.
MET Metering Work Group	The Meter Workgroup is re-evaluating technology and criteria for measuring and accounting for low system flows to provide member agencies more flexibility. The intent is to expand the flow measurement range to better account for low flows than the current metering system provides. Charles Busslinger and Chris Lingad participated in a workgroup meeting on June 21, 2017. The workgroup is making progress on design policy guidance to recognize newer technology (i.e. such as the additional precision provided by mag meters at lower flows) and revisiting MET Administrative Code Section 4504(b) limitation [a.k.a. 10:1 turndown] which currently requires member agencies to pay for flows that are less than 10% of maximum design capacity of the meter as if they received 10% flows. Any final recommendations would be brought to the MET Board for consideration at the end of 2017 or early 2018.
OC-28 Flow Metering Issue with MET	MWDOC, MET and OCWD have exchanged information and are continuing to discuss both the flow metering issues from June, July and August of last summer and the December 13 flow test conducted by MET. MWDOC and OCWD are still of the opinion that OCWD is owed about 700 AF of water. The discussions will continue, but a decision is needed soon to put this issue to bed.

Service Connection CM-1 Cost Issues	Laguna Beach CWD and Newport Beach are continuing to study alternative methods of delivery of the water to avoid complications with the CM-1 meter. We are awaiting the outcome of the studies.
North& Central O.C. Integrated Regional Watershed Management Area	Charles Busslinger 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 will be presented to stakeholders for comments. The draft plan is anticipated by the end of Summer 2017.
San Juan Basin Authority	Charles attended the San Juan Basin Authority Board Meeting on July 11, 2017 where Authority Board officers were appointed for 2017-18. Betty Olson and Wayne Rayfield have been re-appointed as Chair and Vice Chair respectively. Monitoring data from the Adaptive Management Plan lends support to the existence of a sub-surface hydraulic barrier (rock formation) just north of Stonehill Drive. Additional geotechnical investigation work is moving forward to define the extent of this barrier.
EMERGENCY PREPAREDNESS	
Coordination with WEROC Member Agencies	<p>WEROC Radio Replacement Update: Kelly Hubbard and Francisco Soto continue to work with member agencies, Motorola, and the Sheriff's Communications Staff to implement switching the WEROC program over the County's 800 MHz radio system. Member agencies not already utilizing the 800 MHz system are going through the process of approving the required participation agreement with the County communications. Staff has already approved the purchase and programming of the radios and is working with Motorola Solutions on timeline for installation. Additionally, Francisco and Kelly met with County Communication's staff to determine which channels should be programmed on the WEROC radio system to allow communications with coordinating partners throughout the county.</p> <p>Kelly spoke with the City of Laguna Beach Emergency Management and Wastewater Operations staff about the City signing the WEROC Indemnification Agreement. The City plans to review the agreement with legal counsel and management in order to move forward.</p>
Training and Programs	Francisco attended "Extreme Event Game", an online Emergency Operations Center (EOC) training that the LA School District hosted, that is designed to assist individuals understand the purpose and importance of an EOC. WEROC Staff is evaluating the use of this product as a training tool for the WEROC Member Agencies and EOC staff.

Training and Programs (Continued)	<p>Francisco and Janine attended AlertOC (county's reverse notification system) training that took place at Loma Ridge. Staff is responsible for helping to maintain the system for notifications by MWDOC, WEROC and our member agencies, as well as have the ability to actually utilize the system for notifications. The comprehensive training discussed topics to include: software features, uses, and how to send messages internally and externally.</p> <p><i>Ongoing: WEROC is hosting a series of trainings related to a year-long training program intended to lead up to a full field and EOC exercise in spring 2018 based on an unknown contaminate in the water system. Update: Kelly provided 2 more trainings, twice each. The first was developed in coordination with Oliver Pacifico of the SWRCB Division of Drinking Water on "Water Quality Notifications and Public Information." The second set of trainings was presented in coordination with the Orange County Intelligence Assessment Center (OCIAAC) on Determination of a Credible Threat.</i></p>
Emergency Plans	<p>Francisco continues to work on updating the WEROC Emergency Operations Plan. The update includes a streamlined approach, current information, best practices, and hazard specific information and checklist.</p>
Coordination with the County of Orange	<p>Francisco & Kelly attended the June Orange County Emergency Management Organization (OCEMO) meeting at the Newport Nature Preserve. Edison provided a presentation on the interworkings of electricity companies and how they deliver electricity to businesses and residents. Edison also discussed their emergency management priorities and how they are tailored to each incident response. Their Incident Command Structure is used in the field. Additionally, the Operational Area gave a presentation on their newly developed Excessive Heat Annex which is awaiting approval.</p> <p>Francisco attended the Orange County Operational Area Agreement Revision Working Group Meeting that took place at the OC Red Cross. 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 the meeting included: voting procedures through OCEMO, information distribution, revisions to the agreement, and simplifying the agreement.</p> <p>Francisco attended the WebEOC meeting at Loma Ridge. This meeting is a continuation of a series of meetings to discuss and bring to light features of the software that agencies would like to see improve. During this meeting, topics of discussion included: latest updates to forms, significant events board filters, and the addition of a training calendar.</p>

Coordination with Outside Agencies	<p>Kelly met with the new Emergency Manager for the City of Long Beach Water. She recently asked him to take a lead with the California Water/Wastewater Agency Response Network (CalWARN), so that she can reduce her time commitment to the organization. Kelly will now act as the Vice-Chair for Region 1. The meeting was to discuss roles and responsibilities, as well as share ideas on current projects for both agencies.</p> <p>Kelly has continued to attend the Southern California Emergency Services Association (SCESA) Board meetings as past president and 2017 Conference Chair.</p>
WEROC Emergency Operations Center (EOC) Readiness	<p>Janine worked with El Toro Water District (ETWD) staff to detach the generator at the North EOC from the building, ensure its road worthiness, move it to the South EOC and rewire it for the South EOC. She is working with the ETWD staff to sell or dispose of the old generator from the South EOC.</p> <p>Janine met the cleaners at both EOCs, as well as several contractors to get quotes for services needed for maintenance and safety improvements.</p> <p>Staff participated in the monthly MARS radio test.</p>
<h2 style="margin: 0;">WATER USE EFFICIENCY</h2>	
ACC-OC Grant Writing Workshop	<p>On June 7, Joe Berg attended an ACC-OC Grant Writing Workshop held at the Lake Forest Community Center. Approximately 40 public agency staff attended the Workshop, which covered the basics of grant writing for state, federal, and foundation funding opportunities.</p>
MWDOC Water Education Program Advisory Committee (PAC)	<p>On June 8, MWDOC water use efficiency staff held a Water Education PAC meeting. Six member agencies participated in the PAC, the intent of which is to shape a robust education program for commercial landscape maintenance contractors, cities, and water district personnel. Agenda items included:</p> <ul style="list-style-type: none"> • Discussion on residential education classes • Classes currently available to commercial personnel • Types of classes wanted for Orange County • Discussion on creating videos

MET's Water Use Efficiency Workgroup Meeting	<p>On June 15, Matthew Conway attended MET's Water Use Efficiency Workgroup meeting where approximately 30 member agencies participated. Agenda items included:</p> <ul style="list-style-type: none"> • Water Savings Incentive Program on SoCalWaterSmart.com • Technologies Pilots and Trials Workshop • Water Supply Update • Member Agency Roundtable • MET Updates <p>The next Workgroup meeting is scheduled for July 20 at MET.</p>
Orange County Water Loss Control Workgroup	<p>On July 11, Joe hosted the Orange County Water Loss Control Workgroup meeting. Approximately 25 staff members from agencies throughout Orange County attended. Agenda items included:</p> <ul style="list-style-type: none"> • Formation of a Leak Detection Equipment Grant Acquisition Committee • Importance of and Method to Test Meter Accuracy • Water Loss Regulation Update <p>The next meeting is scheduled for September 12 at MWDOC</p>
South Coast Water District Water Loss Control	<p>On June 8, Director Yoo-Schneider and Joe attended the South Coast Water District (SCWD) Board meeting. Joe provided a presentation summarizing the MWDOC Water Loss Control Technical Assistance Program and the results of the Year I Water Balances for 18 agencies. This was followed up with a presentation by Joe McDivitt, Chief Operations Officer at SCWD, who presented the detailed findings of the Year I Water Balance for SCWD.</p>
PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Sent out the AMWA Monday Morning Briefing • Sent correspondence and followed up with several member agencies regarding support of the California WaterFix. <p>Heather attended a meeting at the OCLAFCO offices with OCLAFCO staff, Mike Dunbar of Emerald Bay Service District, and Stacy Taylor of Mesa Water District to discuss OCLAFCO special district fee schedule and LAFCO commissioner appointment process.</p>

Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> Sent out the weekly California Sprinkler Adjustment Notification System (CSANS) <p>Heather attended the OCLAFCO meeting.</p>
Education	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> Continued development of Core High School Program curriculum with Inside the Outdoors and MET.
Media Relations	<p>Public Affairs staff:</p> <ul style="list-style-type: none"> Posted to social media as appropriate with water related messages that further MWDOC goals and objectives. Penned Op-Ed for South County publications
Special Projects	<p>Public Affairs staff:</p> <ul style="list-style-type: none"> Communicated with consultants multiple times regarding the design and construction of the MWDOC hallway displays. Kickoff meeting held at the District office. Met with two consultants regarding promotional items for Water Policy Dinners, OC Water Summit, inspection trips, MWDOC community events and other executive events. Met with a design and print consultant to review options for the new fiscal year. Working with Metropolitan and the MWDOC/MWD Directors on finalizing the 2017-18 inspection trip schedule. Continue to work with LA Design Studio on developing material and providing direction and content for the new MWDOC website. Held a kickoff meeting with the Wyland Foundation, Native West Landscaping, the City of Laguna Beach and the LBCWD for the Mayor's Challenge Pocket Park award. Coordinated professional Board and staff photos- day one and make-up date. Hosted and helped set up the Metropolitan 2017 traveling student art exhibit. <p>Heather staffed the WACO Planning meeting and July WACO meeting with guest speaker Tim Quinn.</p> <p>Heather staffed the ISDOC Quarterly Luncheon featuring speakers John Freshman and Ana Schwab of BBK Federal Affairs.</p>
Legislative Affairs	<p>Heather and Melissa participated in the MET Legislative Coordinator's Conference calls.</p>

Legislative Affairs (Continued)	<p>Heather and Joe participated in ACWA's conservation framework working group meetings.</p> <p>Heather participated in ACWA's AB 401 Implementation working group meetings.</p> <p>Heather participated in the ACWA Region 10 State Legislative Committee pre-call before the meeting in Sacramento.</p> <p>In Sacramento, Heather attended the ACWA State Legislative Committee meeting.</p> <p>Heather met with the Republican Caucus consultant for the Senate Natural Resources and Water Committee.</p>
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pat meszaros
7/13/17



MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AGENCIES MANAGERS MEETING

Street Address:
18700 Ward Street
Fountain Valley, California 92708

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

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Wayne S. Osborne
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Larry D. Dick
Director

Joan C. Finnegan
Director

Megan Yoo Schneider
Director

Sat Tamaribuchi
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, July 20, 2017 from 10:30 to noon.

DRAFT AGENDA

Agenda items with backup attached: 2-1, 2-2, 2-3, 3-3 & 3-4.

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

Attachment

2. Discussion and Report Items:

2-1. Cyclic Program & In-Lieu [Link](#)

2-2. California WaterFix Presentation Series Update [Link](#)

2-3. Conservation Legislation Update and

ACWA' Urban Long Term Conservation Policy Principles.....[Link](#)

2-4. MET Member Agency Metering Workgroup Update

2-5. Upcoming Public Outreach Campaigns (MWDOC & MET)

3. Informational Items:

3-1. Corrections to MWDOC's Readiness-to-Serve

3-2. Update to MWDOC's Capacity Charge

3-3. July GM Report [Link](#)

3-4. Legislative Reports [Link](#)

3-5. Policy Dinner August 30, 2017

4. Next meeting tentatively scheduled for August to be determined.

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, July 12, 2017
8:00 a.m.**

**Orange County Transportation Authority
–Conference Room 07
550 South Main Street, Orange, CA 92868**

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 JAMES FISLER**
- 3. ROLL CALL**
- 4. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATIONS
(Received After Agenda Distribution)**
- 5. APPROVAL OF MINUTES**

a.) June 14, 2017 – Regular Commission Meeting

6. PUBLIC COMMENT

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

7. CONSENT CALENDAR

a.) **Quarterly Legislative Report**

The Commission will receive the Legislative Quarterly Report and consider adopting positions on proposed legislation of LAFCO interest.

8. PUBLIC HEARING

None

9. COMMISSION DISCUSSION AND ACTION

a.) OC LAFCO 1.62 Defined Contribution Plan Program

The Commission will consider adopting a resolution amending the provisions of the LAFCO matching contributions for employees who voluntarily participate in the 1.62% at 65 Defined Contribution Plan to conform to the program approved and implemented by the County of Orange.

b.) Interview and Selection Process for LAFCO Alternate Public Member

The Commission will conduct the interview and selection process for the Alternate Public Member seat.

10. COMMISSIONER COMMENTS

This is an opportunity for Commissioners to comment on issues not listed on the agenda, provided that the subject matter is within the jurisdiction of the Commission and that no action may be taken on off-agenda items unless authorized by law.

11. EXECUTIVE OFFICER'S REPORT

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

12. INFORMATIONAL ITEMS & ANNOUNCEMENTS

a.) Lewis Street Reorganization to the City of Garden Grove (RO 17-01)

The "Lewis Street Reorganization to the City of Garden Grove" application proposes the detachment of approximately 0.901 sq. ft. from the City of Orange and annexation of the same territory to the City of Garden Grove. The proposed territory is generally located at the northwest corner of Lewis Street and Garden Grove Boulevard.

Pursuant to Government Code Section 56751, upon receipt of a proposal to detach territory from any city, the Executive Officer shall place the proposal on the agenda for the next Commission meeting for information purposes only. No later than 60 calendar days after placing the proposal on the Commission agenda, the city from which the detachment is being proposed may adopt and transmit a resolution to the Commission requesting termination of detachment proceedings.

b.) CALAFCO Annual Conference

The CALAFCO Annual Conference will take place in Mission Bay, San Diego, October 25-27, 2017. Deadline for early-bird registration is August 31, 2017.

c.) Meeting Room Change for Regular Commission Meetings

Beginning **August 9, 2017**, all LAFCO regular meetings will be held at 10 Civic Center Plaza, Santa Ana in the Planning Commission Hearing Room, Hall of Administration. The regular start time will remain at 8:00 a.m.

13. CLOSED SESSION

a.) Public Employee Performance Evaluation

Pursuant to Government Code Section 54957

Title: Executive Officer

b.) Conference with Labor Negotiators

Pursuant to Government Code Section 54957.6

Agency designated representative: Chair Derek J. McGregor

Unrepresented employee: Executive Officer

14. 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>.

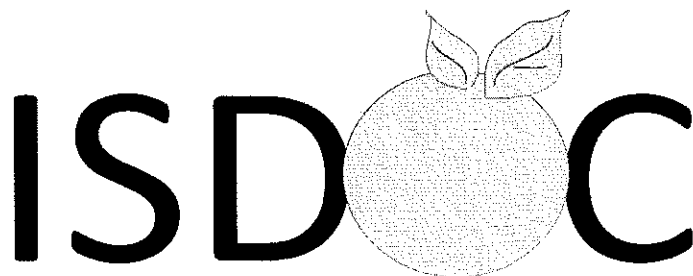
NOTICE: *State law requires that a participant in a LAFCO proceeding who has a financial interest in a decision and who has made a campaign contribution of more than \$250 to any commissioner in the past year must disclose the contribution. If you are affected, please notify the Commission's staff before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

LAFCO Agendas and supporting documentation are available on the Internet at <http://oclafco.org>.

Polly Welsch

From: ISDOC <info@mwdoc.ccsend.com> on behalf of ISDOC <lloewen@mwdoc.com>
Sent: Tuesday, June 20, 2017 8:04 AM
To: Polly Welsch
Subject: Reminder: Register for the ISDOC Quarterly Luncheon - June 29!

Having trouble viewing this email? [Click here](#)



Independent Special Districts of Orange County

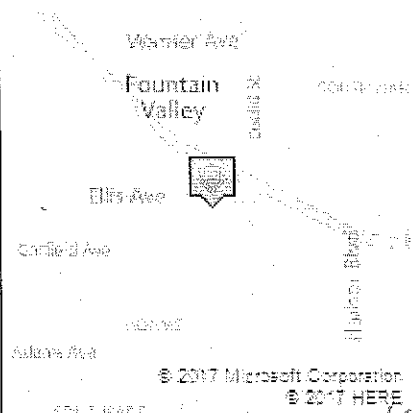
ISDOC Quarterly Luncheon - June 29, 2017

When

Thursday, June 29, 2017 from
11:30 AM to 1:00 PM PDT
[Add to Calendar](#)

Where

**MWDOC/OCWD Joint
Boardroom**
18700 Ward Street
Fountain Valley, CA 92708



[Driving Directions](#)

Connect with ISDOC

Dear Scott,


Don't forget to register for our next **Quarterly Luncheon Meeting of the Independent Special Districts of Orange County (ISDOC)** on **Thursday, June 29, 2017** from **11:30 a.m. - 1:00 p.m.**

Our featured luncheon speaker will be **John Freshman**.

Come hear John Freshman, Senior Director of Governmental Affairs for Best Best & Kreiger, as he discusses "Federal Policy, Politics & President Trump -- What's Up in Washington, D.C." This will be a fascinating program you won't want to miss!

We will also be spotlighting ISDOC Member, Placentia Library District, and ISDOC Associate Member, Orange County Transportation Authority.

We kindly request that you register in advance so we can provide our caterer with an accurate meal count. Cost for the luncheon is \$17. [Please register by Friday, June 23](#) for the \$17 rate. Lunch is \$20 thereafter.

 Like us on Facebook

 Email us at info@isdoc.org

Come hear from our great speakers, network with your fellow special district members, and learn something new. We hope to see you on June 29!

[Register Now!](#)

For additional information regarding this event, please contact [Laura Loewen](#) at (714) 593-5004.

Sincerely,

James Fidler

President

Independent Special Districts of Orange County

Independent Special Districts of Orange County, 18700 Ward Street, Fountain Valley, CA 92708

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Sent by jloewen@mwdoc.com in collaboration with

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Independent Special Districts of Orange County

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

Laura Loewen

Municipal Water District of Orange County

Executive Committee Meeting

Tuesday, July 11, 2017

7:30 a.m.

Municipal Water District of Orange County Conference Room 101

AGENDA

I. Welcome

II. Approval of Minutes

- Consider approval of the minutes for the June 6, 2017 meeting

III. Public Comments

IV. Old Business

- **ISDOC Website**
 - Discuss and consider taking action on the Website

V. New Business

- **New LAFCO Fee/Deposit Schedule**
 - Discuss and consider taking action on the Fee/Deposit Schedule

VI. Treasurer's Report – Joan Finnegan

- Receive, discuss and file June 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

a. Program (Sandra Jacobs)

- Discuss programs and speakers for October 28, 2017 quarterly membership meeting

b. 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, August 1, 2017

Next ISDOC Quarterly Meeting: October 28, 2017



ISDOC Executive Committee
June 6, 2017

DRAFT Minutes

I. Welcome

President Jim Fisler called the meeting to order at 7:30 a.m.

Committee Members Present:

Jim Fisler, President (Mesa WD/LAFCO)
Mark Monin, Second Vice President (ETWD)
Mary Aileen Matheis, Third Vice President (IRWD)
Joan Finnegan, Treasurer (MWDOC)

Others Present:

Doug Davert (EOCWD)
Jim Reed (IRWD)
Bill Nelson (OCCD/CSDA)
Arlene Schafer (CMSD/CSDA)
Phil Anthony (OCWD)
Larry Dick (MWDOC)
Stacy Taylor (Mesa WD)
Laura Loewen (MWDOC)
Al Nederhood (YLWD)
Brooke Jones (YLWD)
Chris Palmer (CSDA)

II. Minutes

- The minutes from the May 2, 2017 meeting were reviewed. Upon a motion by Director Finnegan and second by Director Monin, the minutes were unanimously approved.

III. Public Comments:

Director Al Nederhood, Yorba Linda Water District, addressed the Executive Committee concerning the upcoming LAFCO budget and the assessments being charged to each special district. He presented his analysis of the assessment structure and questioned the proportionality. He requested that the Executive Committee look at this issue before the 2018-19 LAFCO budget cycle.

IV. Old Business:

- President Fisler opened discussion regarding the vacant Executive Committee position of Secretary. The bylaws of ISDOC allow the Executive Committee to make an appointment to fill this vacancy. Only one candidate applied for the vacant position. Upon a motion by Director Fisler and second by Director Finnegan, Doug Davert (EOCWD) was unanimously appointed to the position of Secretary effective immediately.
- Discussion was held regarding a new ISDOC website. Based on information presented and discussed, it was agreed to place this matter on the agenda at the next Executive Committee meeting for further discussion and possible action.

V. New Business:
None.

VI. OCCOG Report – Phil Anthony

- Director Anthony reported that at the May OCCOG meeting, the FY17-18 budget was discussed and will be on the OCCOG agenda for approval at its June meeting.

VII. Treasurer's Report – Joan Finnegan

Balance as of 6/6/17 is \$7,980. All bills are paid current. Quarterly luncheon expenses are upcoming. OCCOG dues will be paid in August.

VIII. California Special Districts Association (CSDA) Report - Bill Nelson/Arlene Schafer

- AB 979 (Lackey) passed with unanimous bipartisan support. This bill deals with special district representation on LAFCOs and was supported by CSDA
- 226 special district officials attended CSDA Legislative Days in Sacramento and visited 77 legislative offices.
- Pedro Nava, Chairman, Little Hoover Commission, was a keynote speaker and shared his thoughts and insights regarding special districts. Next LHC meeting will be in June and CSDA will participate in that meeting.
- The federal government (FCC) is considering regulating (including price and terms) the leasing of public agency land/facilities to wireless communications operators. CSDA is keeping a close eye on this.
- Nominations for the 2017-2018 CSDA Board have now closed. Incumbent Arlene Schafer (CMSD) is being challenged in the Southern District. Director Schafer reminded the Executive Committee that discussion had been had at a prior meeting concerning a letter from ISDOC to its members urging support for her candidacy. For clarification, Director Matheis moved and Director Davert seconded a motion to have the Secretary send a letter to ISDOC members advising them that the Executive Committee has endorsed Director Schafer for the CSDA board and urging them to cast a vote for her. The motion carried unanimously.

IX. Local Agency Formation Commission (LAFCO) Report – Jim Fisler for John Withers

- Regarding the prior request from YLWD, Commissioner Fisler reported that Commissioner Withers had requested that he, together with Commissioner Charley

Wilson (SMWD) and Commissioner Fisler be involved in any discussion regarding LAFCO dues and the LAFCO budget.

- The FY17-18 LAFCO budget is approximately \$1.1M and will be voted on at the June 14th meeting
- LAFCO has spent down its excess reserves; assessments for each member will increase 5%
- Discussion/comment was had regarding LAFCO workload and upcoming projects
- LAFCO will have a new fee/deposit schedule
- A comprehensive LAFCO quarterly report will be discussed and distributed to special districts
- The LAFCO legal services contract with Best, Best & Krieger will be updated
- A public member alternate will be appointed in July. Incumbent, Kathryn Freshley, has reapplied and she has 3 challengers.

X. Association of California Water Agencies (ACWA) - Sandra Jacobs

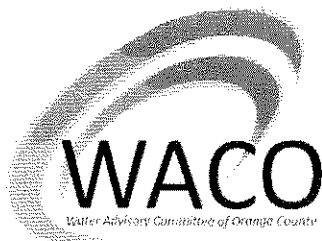
- Director Jacobs submitted a written report attached hereto; Director Matheis presented an oral report
- A budget trailer bill is calling for a “public goods charge” of \$1 per month per water meter statewide; Director Matheis and ACWA are recommending agencies object on policy grounds (budget trailer not appropriate) and insist matter be referred to a policy committee; matter is currently passing through the budget conference committee instead; ACWA is actively opposing.
- Stacy Taylor (MesaWD) clarified the 2 bills of concern: “Making Conservation a Way of Life” is the Governor’s budget trailer bill, and SB623 (Monning) is the bill that would impose the aforementioned public goods charge. ACWA is seeking letters in opposition to both; there is also a coalition letter that agencies can sign on to.

XI. Subcommittee Reports

- Program – Sandra Jacobs
June 29th Quarterly Meeting will feature John Freshman with BB&K’s Washington office discussing “How Washington Works”; October 28th Quarterly meeting program is TBD
- Membership – Mark Monin
One new member has joined. Director Monin welcomed Suez as a new member.
- Legislative – Mary Aileen Matheis
These items were covered above.

XII. President and Committee Member Announcements and Comments:
None.

XIII. The meeting was adjourned at 9:00 a.m.



AGENDA

Friday, July 7, 2017

7:30 a.m. - 9:00 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. Ethan Temianka
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

Association of California Water Agencies (ACWA) Update

- Tim Quinn, Executive Director, ACWA

Adjourn

Next WACO Meeting

Friday, August 4, 7:30 a.m. @ OCWD/MWDOC Joint Boardroom

Next WACO Planning Committee Meeting

Tuesday, July 18, 7:30 a.m. @ MWDOC 101

To view previous presentations, please visit
<https://www.youtube.com/orangecountywater>

Stay Connected with WACO on
Facebook, Twitter, and YouTube!



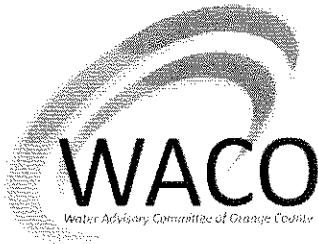
/orangecountywater



@waco_h2o



/orangecountywater



WACO Planning Committee
Tuesday, July 18, 2017
7:30 A.M.

AGENDA

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

Hon. Jose Vergara
El Toro Water District

Vice Chair

Hon. Ethan Temianka
Mesa Water District

Staff Contacts:

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County

Feedback of July 7 program

- 1) Tim Quinn – ACWA Update

Items to report

- 1) August 4 – New Groundwater Storage Supply in South Orange County
 - Kelly Rowe
- 2) September 1 – Prop 1 Update
 - Joe Byrne, Member, California Water Commission
- 3) October 6 – The Water/Housing Nexus
 - Speakers TBD

Discussion Items

- 1) October 6 meeting
 - Choose speakers to invite
- 2) Choose topics/speakers for November and December meetings

Future meeting topics suggested by the committee:

- Ethics in politics – who is watching elected officials? (Larry Dick)
- Water loss and unaccounted water (Larry Dick)
- Indoor vs outdoor conservation (Ethan Temianka)
- Outsourcing agency billing to save money (Peer Swan)
- Urban runoff (Peer Swan)
- OC groundwater cleanup through the sewer / no EPA (Peer Swan)
- JPL: Snowpack update, atmospheric rivers, WWAO, UASAR data, satellite radar for SoCal (Fred O'Callaghan)
- UCI Water (Fred O'Callaghan)
- Cybersecurity w/UCI's Bryan Cunningham (Mike Markus)

Adjourn



Stay Connected with WACO
on Facebook, Twitter and YouTube!

DATES TO REMEMBER

JULY/AUGUST 2017

1. Jul 28 – 8:00 a.m. – TV-6 (Monin)
2. Jul 28 – 11:30 a.m. – Chair/GM Meeting
3. Jul 31 – 7:30 a.m. – RRC Meeting
4. Aug 1 – 7:30 a.m. – ISDOC Executive Committee Meeting
5. Aug 2 – 8:30 a.m. – MWDOC/MET Directors Workshop
6. Aug 3 – 8:30 a.m. – SOCWA Board Meeting
7. Aug 3 – 2:30 p.m. – SOCWMA Executive Committee Meeting
8. Aug 4 – 7:30 a.m. – WACO
9. Aug 4 – DISTRICT OFFICE CLOSED
10. Aug 7 – 8:30 a.m. – MWDOC Planning/Operations Meeting
11. Aug 9 – 8:00 a.m. – LAFCO
12. Aug 9 – 8:30 a.m. – MWDOC Admin/Finance Committee Meeting
13. Aug 10 – 8:30 a.m. – SOCWA Engineering Committee Meeting
14. Aug 10 – 11:30 a.m. – CAG Meeting
15. Aug 11 – 11:30 a.m. – Chair/GM Meeting
16. Aug 12 – 19 – Scott Goldman - Vacation
17. Aug 15 – 7:30 a.m. – Agenda Review Meeting
18. Aug 15 – 7:30 a.m. – WACO Planning Committee Meeting
19. Aug 16 – 8:30 a.m. – MWDOC Board Meeting
20. Aug 16-18 – Urban Water Conference (San Diego)
21. Aug 18 – DISTRICT OFFICE CLOSED
22. Aug 21 – 7:30 a.m. – Regular Engineering Committee Meeting
23. Aug 21 – 8:30 a.m. – MWDOC Public Affairs Meeting
24. Aug 22 – 7:30 a.m. – Regular Board Meeting
25. Aug 22 – 24 – CASA Conference (San Diego)
26. Aug 25 – 8:00 a.m. – TV-6 (Adjarian)

27. Aug 25 – 11:30 a.m. – Chair/GM Meeting
28. Aug 29 – 10:30 a.m. – SOCWA Finance Committee Meeting
29. Aug 30 – 5:00 p.m. – MWDOC Water Policy Forum Dinner (Great Wolf Lodge, Garden Grove)

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.