

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
SEPTEMBER 26, 2017
7:30 a.m.

CALL MEETING TO ORDER – President Goldman

PLEDGE OF ALLEGIANCE – Director Adjarian

ORAL COMMUNICATIONS/PUBLIC COMMENTS

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

CONSENT CALENDAR

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

PRESENTATION OF AWARDS, RECOGNITIONS AND INTRODUCTIONS

a. Service Awards

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.

1. **Approval of Minutes** (Minutes Included)

Approve minutes of the August 22, 2017 Board of Directors meeting.

2. **Attendance at Conferences and Meetings**

There were no requests.

APPROVAL OF ITEMS RECOMMENDED FOR APPROVAL BY THE ENGINEERING, AND FINANCE/INSURANCE (FIC) COMMITTEES: (Reference Material for the Action and Informational Items is included in the agenda package for the September 25, 2017 Engineering/FIC Committee Meeting)

- a. Consider approving the minutes for the August 21, 2017 Engineering and Finance/Insurance meeting
- b. Consider authorizing the General Manager to enter into a Purchase Order Agreement with JWC Environmental in the amount of \$82,946.12 for the purchase of one Channel Monster Sewer Grinder
- c. Consider authorizing the District's General Manager to enter into a contract with Hushmand Associates Inc. in the amount of \$85,995.00 for Geotechnical Construction Support Services for the Phase II Recycled Water Distribution System Expansion Project
- d. Consider approving, ratify and confirm payment of those bills set forth in the schedule of bills for consideration dated September 25, 2017 and receive and file financial statements through August 31, 2017
- e. Consider approving Resolution No. 17-9-1 which adopts a revision to the District's Water Capital Facilities Fee and amends Schedule 2-W (Capital Facilities Fee) of the District's Rules and Regulations

- f. Consider approving Resolution No. 17-9-2 which amends the District's Investment Policy Statement 1985-3 (IV)

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

- g. El Toro Water District Capital Project Status Report
- h. Engineering Items Discussed at Various Conferences and Meetings
- i. 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.

DIRECTOR/COMMITTEE REPORTING

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

GENERAL MANAGER ACTION ITEMS

4. **ACWA Region 10 Board Ballot** (Reference Material Included)

Staff will review and comment on the Region 10 Nominating Committee's recommended Slate for the 2017-2018 term.

Recommended Action: Staff recommends that the Board of Director's cast it's vote for the Region 10 Nominating Committee's recommended Slate for the 2017-2018 term.

5. **Resolution No. 17-9-2 Which Adopts a Revision to the District's Water Capital Facilities Fee and Amends Schedule 2-W (Capital Facilities Fee) of the District's Rules and Regulations** (Reference Material Included)

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

Recommended Action: Staff recommends that the Board of Directors approve Resolution No. 17-9-2 which adopts a revision to the District's Water Capital Facilities Fee and Amends Schedule 2-W (Capital Facilities Fee) of the District's Rules and Regulations.

RESOLUTION NO. 17-9-2

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

GENERAL MANAGER INFORMATION ITEMS

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

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

7. 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.

8. Legislative Reports (Reference Materials Included)

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

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

10. SOCWA Reports (Reference Material Included)

- a. SOCWA Finance Committee Meeting – August 29, 2017
- b. SOCWA Board Meeting – September 7, 2017
- c. SOCWA Engineering Committee Meeting – September 14, 2017

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

- a. MWDOC Planning/Operations Committee – September 5, 2017
- b. MWDOC/MET Directors Workshop – September 6, 2017
- c. MWDOC Administration & Finance Committee – September 13, 2017
- d. MWDOC Public Affairs & Legislation Committee – September 18, 2017
- e. MWDOC Board of Directors Meeting – September 20, 2017
- f. MWDOC Managers Meeting – September 21, 2017

12. Local Agency Formation Commission (LAFCO) Report

There was no September Meeting.

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

- a. Report on the September 11, 2017 Management Committee meeting - canceled

14. ISDOC Meetings (Reference Material Included)

- a. Report on the September 5, 2017 ISDOC Executive Committee meeting

15. WACO Meetings (Reference Material Included)

- a. Report on the September 1, 2017 WACO Meeting
- b. Report on the September 19, 2017 WACO Planning Committee Meeting

16. City Coordination Efforts

There were no meetings.

COMMITTEE AND GENERAL INFORMATION

17. Dates to Remember for September/October 2017 (Reference Material Included)

18. 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, October 24, 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
August 22, 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 August 22, 2017 at the El Toro Water District Administrative Offices, 24251 Los Alisos Boulevard, Lake Forest, California.

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

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

Director WILLIAM H. KAHN, and ROBERT R. HILL, General Manager/Secretary, were absent.

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

Oral Communications - Public Comments

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

There were no comments.

Items Received Too Late To Be Agendized

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

Consent Calendar

President Goldman stated that he is pulling item #2.d from today's Consent Calendar.

Approval of Items Removed from Today's Consent Calendar

President Goldman asked for a Motion to approve the Consent Calendar with the removal of item #2.d.

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

Motion: Director Adjarian made a Motion, seconded by Director Monin and unanimously carried across the Board to approve the Consent Calendar, with the removal of item #2.d.

Roll Call Vote

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

Director/Committee Reporting

Director Reports for Meetings Attended

Director Adjarian stated that he attended the National Night Out events at the Laguna Hills Community Center, and the Mission Viejo event. He further stated that he attended WACO, LAFCO, WEROC Emergency Preparedness program, Water Reliability Summit, Urban Water conference, Congresswoman Mimi Walters meeting, and will be appearing on TV-6 on Friday.

Director Monin stated that he attended the CAG meeting, WACO, ISDOC Executive Committee meeting, Urban Water conference, MWDOC/MET workshop, SOCWMA Executive Committee meeting, and the Mimi Walters event.

Director Vergara stated that he attended the ISDOC Executive Committee meeting, MWDOC/MET workshop, WACO, MWDOC Planning Committee meeting, One Watershed meeting in Mission Viejo, and CAG.

President Goldman stated that he attended the SOCWA Board meeting, WACO, CASA conference, and will be attending the MWDOC Water Policy Forum later this month.

General Manager Action Items

There were no action items.

General Manager Information Items

General Manager's Monthly Report

There were no comments.

State Drought Regulations – Monthly Report

Mr. Cafferty stated that water use increased slightly in July.

Legislative Reports

Mr. Cafferty stated that staff is reviewing SB 623.

Public Education and Outreach/Water Conservation Reports

Ms. Seitz stated that there was only 1 water waste complaint in July.

Ms. Seitz stated that the next bill message will be “small changes can make a big impact”. She further stated that ETWD will be issuing a construction alert to LWV residents for the RWEPP Phase II area in the next few weeks to inform them of the project.

Ms. Seitz stated that Save Our Water launched a statewide summer public education campaign with the theme “Small Changes. Big Impact”, which encompasses simple daily habits and easy permanent changes that can be made inside and outside each house.

Ms. Seitz stated that ETWD distributed a press release for receiving the Certificate of Achievement for the Excellence in Financial Reporting by the Government Finance Officers Association of the US and Canada for comprehensive annual financial reporting for fiscal year ended 2016.

Ms. Seitz stated that staff is evaluating an additional quote for the demo garden signage, and installation is estimated for late October.

Director Vergara asked if the District is using recycled water for the demo garden. Mr. Cafferty replied no, we don't have recycled water on this side of the

freeway yet, but the demo garden is piped for it. Ms. Seitz replied that the drought tolerant plants do need some water.

At approximately 7:48 o'clock a.m. Ms. Seitz left the meeting.

SOCWA Reports

President Goldman stated that he attended the SOCWA Board meeting where they discussed a revision in the budget due to a calculation error.

Mr. Cafferty stated that he attended the SOCWA Engineering meeting where they discussed the co-generation project.

Director Adjarian stated that the AWMA bridge is finished and the county has provided strengthening and repaving.

MWDOC

Director Vergara stated that he attended the MWDOC/MET workshop where they discussed the California Water Fix, Water Loss Control Methodology, Technical Assistance Programs, and a Master Agreement sharing projects with other cities.

Director Vergara stated that at the MWDOC Admin/Finance meeting they authorized the General Manager to enter into a contract with BB&K for legal services. He also stated that there was discussion on the alignment of MWDOC'S MET delegations actions with policies and positions of the MWDOC Board, and issues regarding employee benefits and insurance.

LAFCO

The meeting was canceled.

SOCWMA

Director Monin stated that they discussed budget and past projects.

ISDOC Meetings

There were no comments.

WACO Meetings

Director Vergara stated that the next topic will be on the California Water Commission.

City Coordination Efforts

There was no meeting.

Committee and General Information

There were no comments.

Dates to Remember

There were no comments.

Carry-Over Pending Matters

There were no carry-over pending matters.

Director Comments/Non-Agenda Items

There were no comments.

Attorney Report

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

Adjournment

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

Motion: Director Vergara moved, seconded by Director Adjarian and unanimously carried that today's meeting be hereby adjourned at 8:07 o'clock

a.m. to Tuesday, September 26, 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
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

OFFICIAL

REGION 10 Board Ballot

2018-2019
TERM

CLEAR FORM



Please return completed ballot
by September 29, 2017

E-mail: anaj@acwa.com
Mail: ACWA
910 K Street, Suite 100
Sacramento, CA 95814

General Voting Instructions:

1 You may either vote for the slate recommended by the Region 10 Nominating Committee or vote for individual region board members (please note rules & regulations for specific qualifications). Mark the appropriate box to indicate your decision.

2 Complete your agency information. The authorized representative is determined by your agency in accordance with your agency's policies and procedures.

Region 10 Rules & Regulations:

The chair and vice chair shall be from different counties. The 2018-2019 Term shall consist of a Chair and 2 Board Members from Orange County and a Vice Chair and 3 Board Members from San Diego County. At least one of the chair or vice chair positions must be an elected/appointed director from a member agency.

1

Nominating Committee's Recommended Slate

☐ I concur with the Region 10 Nominating Committee's recommended slate below.

CHAIR:

- **Cathy Green**, Director, Orange County Water District (Orange County)

VICE CHAIR:

- **DeAna Verbeke**, Board Member, Helix Water District (San Diego County)

BOARD MEMBERS:

- **Jim Atkinson**, Director, Mesa Water District (Orange County)
- **Charles T. Gibson**, Board President, Santa Margarita Water District (Orange County)
- **James B. Murtland**, President, Rincon del Diablo MWD (San Diego County)
- **Richard L. Vasquez**, Director, Vista Irrigation District (San Diego County)
- **Vacant** (San Diego County)

OR

Individual Board Candidate Nominations

(See Rules & Regulations before selecting)

☐ I do not concur with the Region 10 Nominating Committee's recommended slate. I will vote for individual candidates below as indicated.

CANDIDATES FOR CHAIR: (CHOOSE ONE)

- ☐ **Cathy Green**, Director, Orange County Water District (Orange County)

CANDIDATES FOR VICE CHAIR: (CHOOSE ONE)

- ☐ **DeAna Verbeke**, Board Member, Helix Water District (San Diego County)

CANDIDATES FOR BOARD MEMBERS: (MAX OF 5 CHOICES)

- ☐ **Jim Atkinson**, Director, Mesa Water District (Orange County)
- ☐ **Charles T. Gibson**, Board President, Santa Margarita Water District (Orange County)
- ☐ **Cathy Green**, Director, Orange County Water District (Orange County)
- ☐ **James B. Murtland**, President, Rincon del Diablo MWD (San Diego County)
- ☐ **Richard L. Vasquez**, Director, Vista Irrigation District (San Diego County)
- ☐ **DeAna Verbeke**, Board Member, Helix Water District (San Diego County)

2

AGENCY NAME

AUTHORIZED REPRESENTATIVE

DATE

WATER CAPITAL FACILITIES FEE LANGUAGE REVISION

Staff is recommending a revision of the language in Schedule 2-W of the Districts Rules and Regulations defining the Water Supply Charge component of the Water Capital Facilities Fee. The Water Supply Charge was implemented in 2016 to fund water supply projects to offset the impact of new demand created by development projects. The fee is designed to facilitate assessment based on the projected volume of new water demand.

The calculation of water demand that serves as the basis for the Water Supply Charge is based on the calculation of sewer demand and an assumption that 95% of the metered water consumption is returned to the sewer. This approach made use of the existing procedure defined in Schedule 5-S (Sewer Capital Facilities Fee) of the Rules and Regulations that provides a specific methodology to estimate sewer demand based on the size and type of development.

Since the implementation of the Water Supply Charge staff has had an opportunity to apply the fee to several new developments. During that effort staff identified opportunities to revise the Water Supply Charge language in Schedule 2-W to make it more consistent with the language in Schedule 5-S and to provide more flexibility in the resources available to the calculation procedure.

The proposed revisions to Schedule 2-W include the following:

- | | |
|-----------------|--|
| Paragraph A-2-a | Clarifies the formula used to calculate water Project Demand based on estimated sewer volume. |
| Paragraph A-2-b | Adds language similar to the language currently used in Schedule 5-S to more clearly define the methodology used to estimate the sewer demand that will ultimately be used to calculate the Project Demand as defined in Paragraph A-2-a. |
| Paragraph A-2-c | Adds language similar to the language currently used in Schedule 5-S that provides an opportunity to validate the Project Demand estimate based on actual water use after the development has been in operation for a full year with an associated adjustment of the Capital Facilities Fee if necessary and appropriate. |
| Paragraph A-2-d | Adds language similar to the language currently used in Schedule 5-S that allows the District, at its discretion, to use the developer's statement of estimated water or sewer use in the calculation of the Project Demand that is ultimately used to calculate the Water Supply Charge. This language provides staff the flexibility to make use of information provided by the developer in an effort to more accurately determine the estimated project demands and associated fees. |

Both a redline and a clean version of the revised Schedule No. 2-W are attached for reference.

RECOMMENDED ACTION

Recommended Action: Staff recommends that the Board of Directors approve Resolution No. 17-9-2 which adopts a revision to the District's Water Capital Facilities Fee and Amends Schedule 2-W (Capital Facilities Fee) of the District's Rules and Regulations.

RESOLUTION NO. 17-9-2

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

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

EL TORO WATER DISTRICT

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Schedule No. 2-W

WATER CAPITAL FACILITIES FEE

Residential and Non-residential Customers

Applicability

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

Water Capital Facilities Fee

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

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

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

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

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

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

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

The average percentages of 53% and 44% will be applied to the City of Los Angeles/Los Angeles County Sanitation Districts flow data to determine the estimated daily sewage volume for restaurants and non-restaurant commercials, respectively.

- c.) At the request of the developer, the District will validate the Project Demand using domestic water meter readings after one full year of operation. If the water use totalized over a single one-year period indicates the Project Demand during the single one-year period is different than the Project Demand previously established by the District's engineer, the developer's Capital Facilities Fee would be adjusted accordingly. The one-year period referred to above shall be a period of full operation of the establishment, at full occupancy, as determined by the District.

- d.) The District requires from any prospective commercial or industrial developer, prior to commencement of service to the development, a statement as to the quantity and quality of sewage to be discharged into its system and a statement as to the anticipated water demand. At the option of the

District, these statements may be used to any degree in determining the Project Demand.

~~The volume of acre-feet per year will be calculated using characteristic sewage generation factors established by the City of Los Angeles/Los Angeles County Sanitation Districts for various user classifications (Reference Exhibit A). The calculation will assume 95% of domestic water use is returned to the sewer. The Project Demand (afy) will be determined by dividing the calculated volume of sewage generation by 95%.~~

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

RESOLUTION NO. 17-9-2

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

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

WHEREAS, Notice of today's Public Meeting was published in the Orange County Register on September 11th and 18th, 2017, pursuant to Government Code Section 6066.

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

ADOPTED, SIGNED AND APPROVED this 26th day of September, 2017.

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

(SEAL)

ATTEST:

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

EL TORO WATER DISTRICT

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Schedule No. 2-W

WATER CAPITAL FACILITIES FEE

Residential and Non-residential Customers

Applicability

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

Water Capital Facilities Fee

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

Meter Size	Water Capital Facilities Fee Meter Charge
5/8"	\$2,145
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2. The Water Capital Facilities Fee – Water Supply Charge Component (WSC), designed to offset the cost of supply to serve the project, shall be an amount based on the estimated new demand in acre-feet per year (afy) at a rate of \$8,900/afy as follows:

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

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

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

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

The average percentages of 53% and 44% will be applied to the City of Los Angeles/Los Angeles County Sanitation Districts flow data to determine the estimated daily sewage volume for restaurants and non-restaurant commercials, respectively.

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

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

GENERAL MANAGER'S REPORT

September 2017

I. OFFICE OF THE GENERAL MANAGER

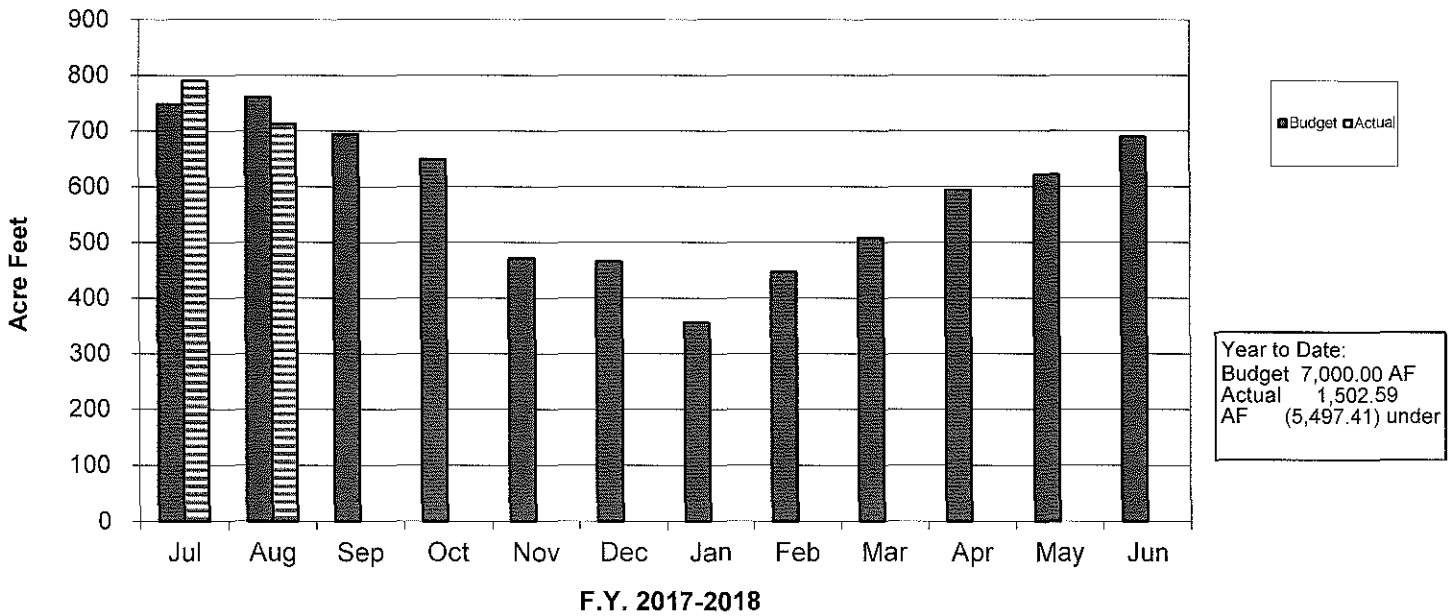
- Attended Chair/GM Meetings
- Attended a South County Agencies Meeting at MNWD
- Attended Seismic Study Meeting with WEROC at the South County EOC
- Attended the MWDOC Board Meeting
- Attended the MWDOC Managers Meeting
- Attended Chair/GM Meetings
- Attended Meeting with Sageview to Further Discussion about the on-going ETWD 401(k)/457 Provider Evaluation

II. DOMESTIC AND RECLAIMED WATER SALES

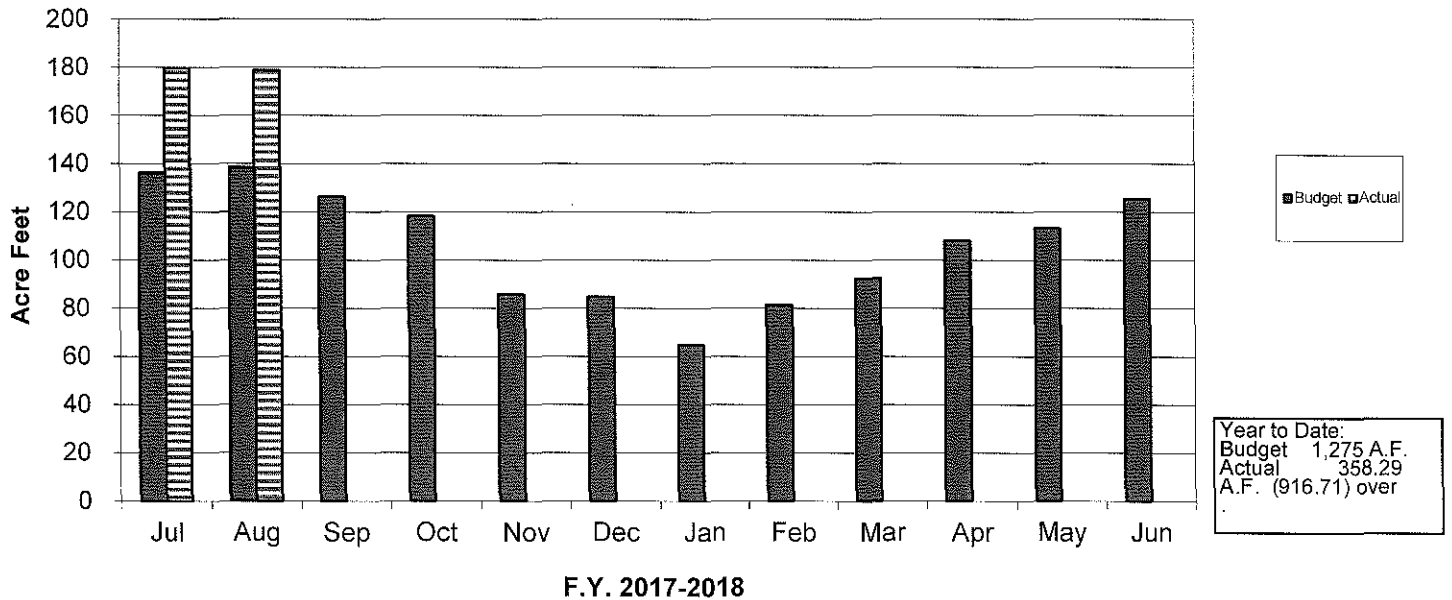
Actual domestic sales for the year-to-date as of August 31, 2017 are 1,502.59 acre-feet. This compares to year-to-date budgeted domestic sales of 1,507.27 acre-feet. The year-to-date variation in actual to budgeted sales reflects a decrease of 4.68 acre-feet. Actual sales are 79.19 acre-feet higher than last year-to-date actual sales for the same period.

Recycled water sales for the year-to-date are 358.29 acre-feet, compared to 274.54 acre-feet budgeted for the same period.

DOMESTIC WATER SALES



RECLAIMED WATER SALES



Customer Service Activity Report

August-17

Regular Service Calls	AUG 2017	AUG 2016	Telephone Calls	AUG 2017	AUG 2016
Serviceman Dispatched to Read, Connect/Disconnect Service	89	94	Change of Service	150	190
Field Investigations:			Billing/Payment & Graph Inquires	661	110
Check for leaks-calls to the CS office(irrigation,meter,street leaks):			Credit Card Info/payment	247	246
Customer Responsible	32	35	Variance/Waiver Request	160	211
District Responsible	12	10	Variance/Waiver Requests Processed	40	19
None found/other	11	9	Ordinance Infraction	2	8
High Reads Checked - High Consumption (Billing Dept)					
Cust Leaks _0_ No Leaks _6_	6	27			
Check StoppedSlowed Meters-Low Consumption (Billing)	7	12	Other District	155	168
Re-Check Read	0	5	Departments	217	219
Ordinance Infraction	1	12	Calls for the B.O.D.	8	20
Recycled Water	0	11	Recycled Water	0	1
Water Quality Taste-Odor-Color Total	3	3	Water Quality Taste - Odor - Color	4	1
Phone response _3_ Field response _0_			Leaks/Breaks	56	66
Flooding (Hydrant) Meters issued	2	1	Flooding (Hydrant) Meter calls	5	5
Sewer - Odor/Stoppage/ Manhole Covers	2	3	Sewer Problems	2	2
Meter Box /Lids/Covers Replaced	30	18			
Meter Box Clean, Digout	5	9	Backflow/Cross Connection	14	4
Raised Meter Box	0	0	ETWD Facilities Check - Boxes, Covers,Lids, Hydrants, Pump Stations, Graffiti - "Gen. Maint"	5	0
Trim Bushes/Meter Obstruction	30	2			
General Maint Response	3	5	Tyco (ADT) Calls	1	0
Fire Hydrants - Hit / Leaks / Caps	2	1	ATT Calls	1	11
Pressure(psi) Checks /Reads	5	3	SCE Calls	1	0
CSSOV(Angle Meter/Gate/Glob Valve - chk,repair,replace)	3	14	Pager Calls for Pump Stations - SCADA	0	0
Bees Removed	1	7			
Backflow/Cross Connection	5	2	Payment Extensions	169	280
			Deliquent Payment Calls to Customer 's (*No longer made by CS)	0	22
Fogged Registers	0	4	Return Calls on Customer's VM & Email's	92	77
OMCOP-Old Meter Change- Out Program	9	48			
Other - (uncommon non-maintenance calls)	9	3	Email Correspondence	289	227
On-Call After Hrs. CS Response	31	32	**Misc. - Bees, PSI, Fogged/Dirty Register	0	0
# 48/24 Hr. Door Hangers Hung	124	71			
# Locked Off For Non-Pay (Disconnect)	12	0			
Removed Meter	23	*			
New Meter	1	*			
UnRead Meter	17	*			
Total Field Investigations	475	441	Total Telephone Calls	2279	1887
Uncollectible Accounts:			Credit Card Payments	AUG 2017	AUG 2016
Budget YTD	\$ 3,333.00	\$ 4,167.00	REGULAR	552	\$61,064.79
Actual YTD	\$ 4,078.00	\$0	DISCONNECTS	479	\$53,514.58

* = New Code

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

MONTH ENDING:

August

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	39,135			
New World				
Private System		Laguna Village		
Hot Spots	17,455			
ETWD TOTALS:	56,590			
SANTA MARGARITA TOTALS:				
COMBINED TOTALS:	56,590			
TV INSPECTIONS	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village	13,426			
New World				
Private System				
Other				
TOTAL	13,426			
Wet Wells	3	Mathis-La Paz-Delta		
Flow Meter/Sampling	0			
WATER TANK FILLS	57,000			

**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.

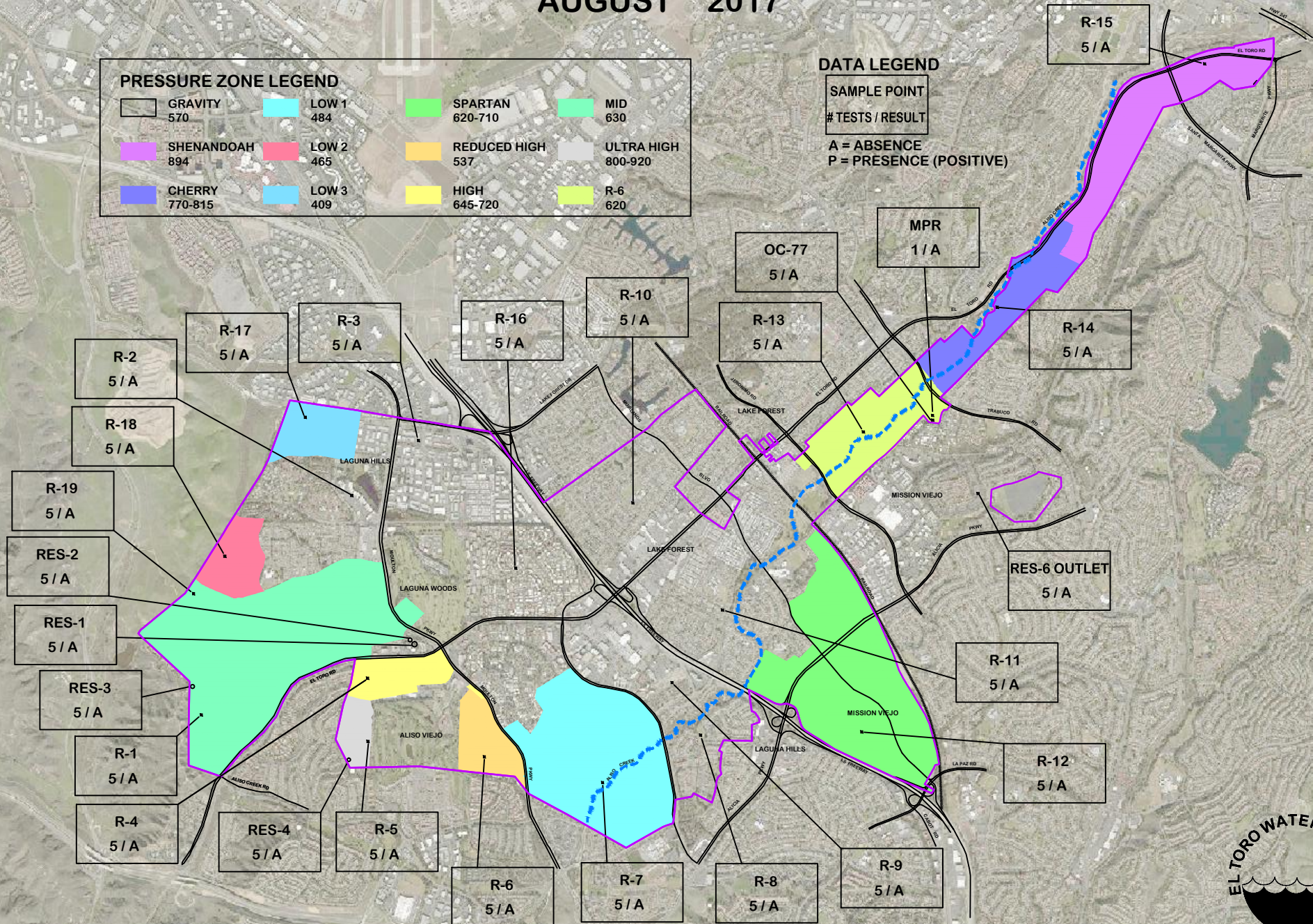
EL TORO WATER DISTRICT MONTHLY POTABLE WATER QUALITY ANALYSIS					
MONTH:		AUGUST		YEAR : 2017	
CONSTITUENT ANALYSIS		INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	147(A)	Pres/Absence	0	Average
2 Chlorine (ppm)	Detectable Resid	149	Average = 1.38 ppm	0	
3 TTHM (ppb) (Stage 2)	0.080 ppb		N/A	0	
3 HAA5 (ppb) (Stage 2)	0.060 ppb		N/A	0	
4 Physical Quality:			RANGE		
Turbidity (ppm)	5 NTU	20	0.05 to 0.08	0	
Odor	3 Units	20	ND<1	0	
Color	15 Units	20	ND<5	0	
Temperature	No standard	20	70°F To 83°F	0	
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	93	0.000 to 0.115 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

AUGUST 2017



CHLORINE RESIDUAL MONITORING

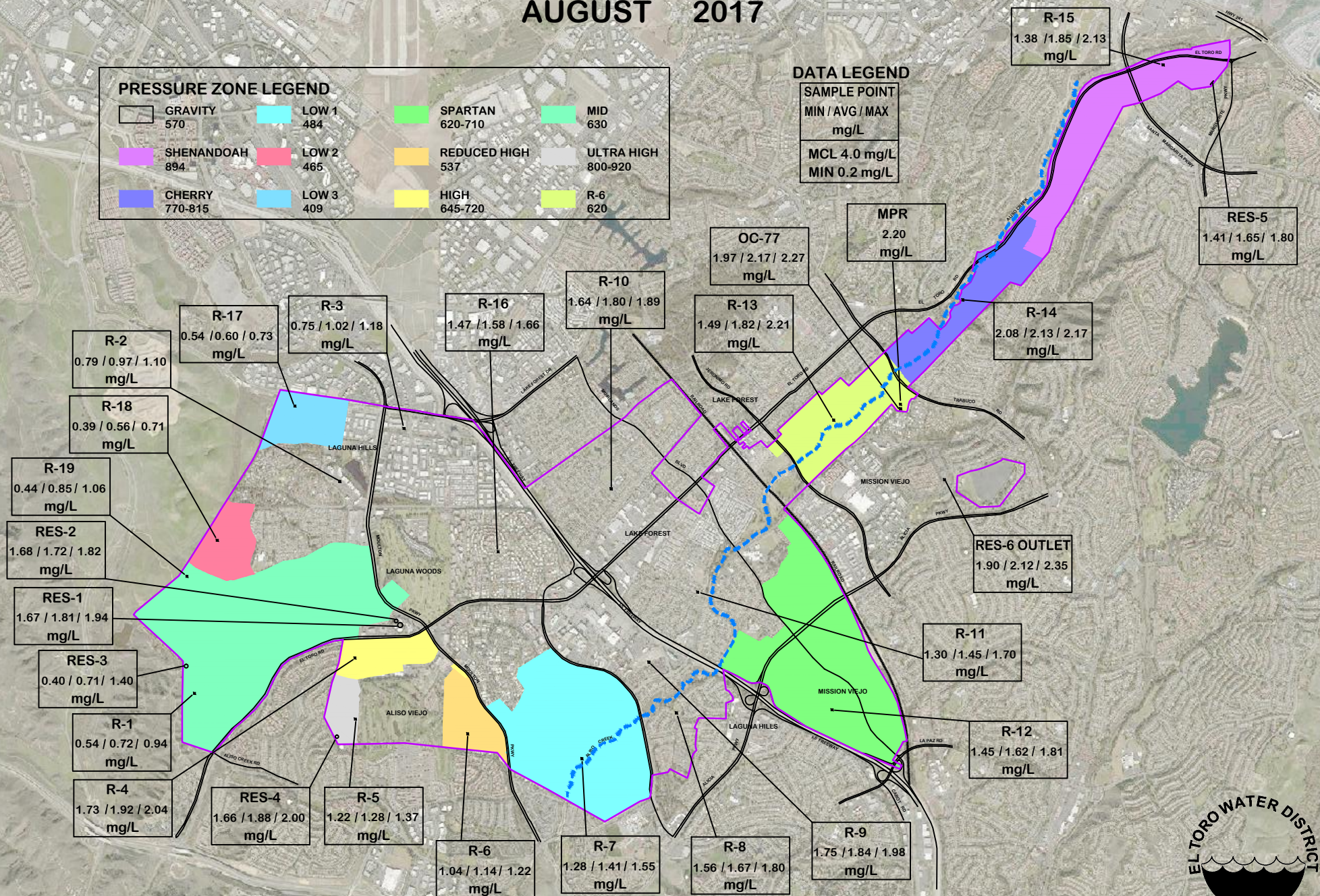
AUGUST 2017

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



NITRITE MONITORING

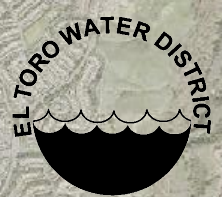
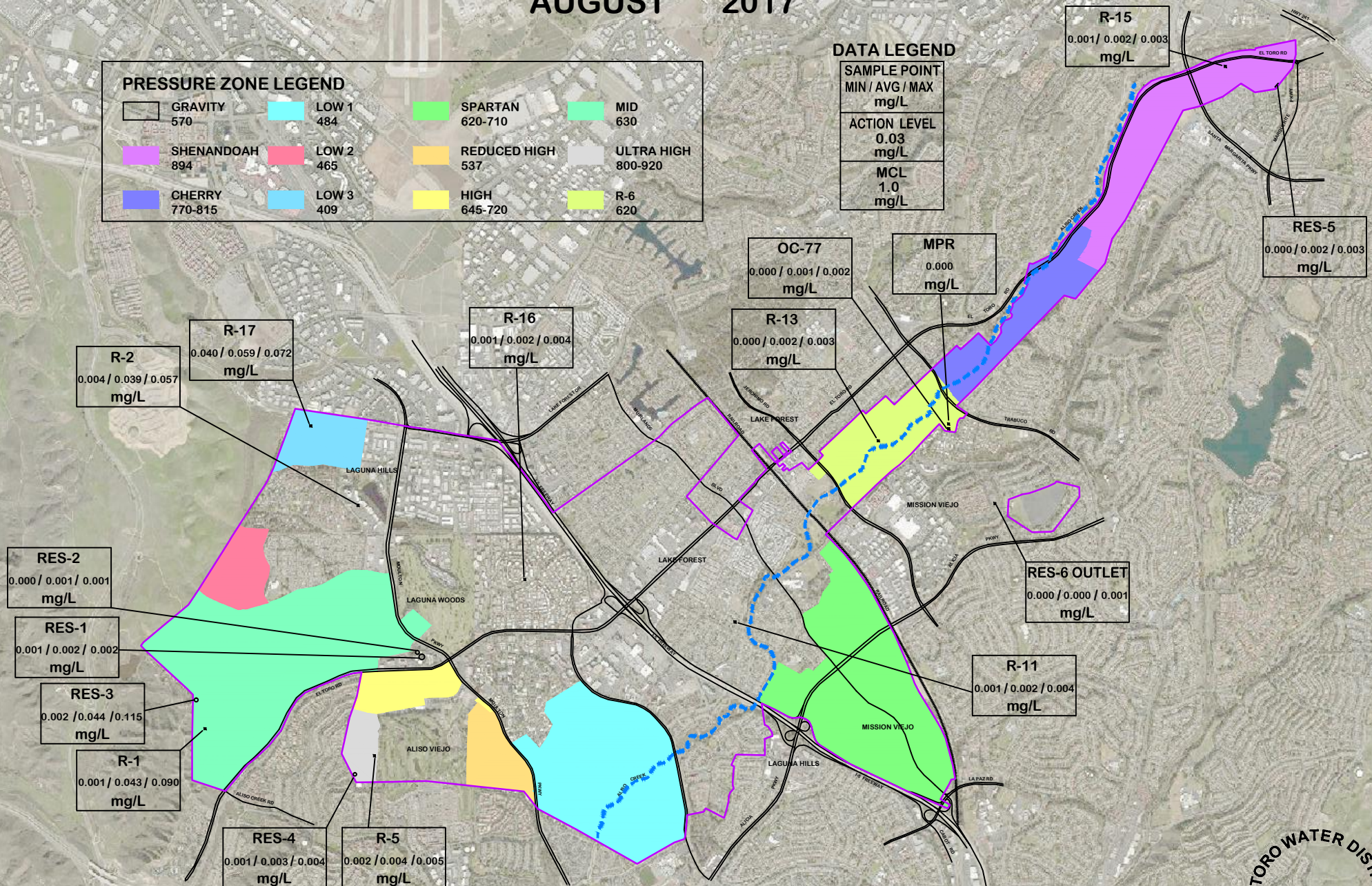
AUGUST 2017

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

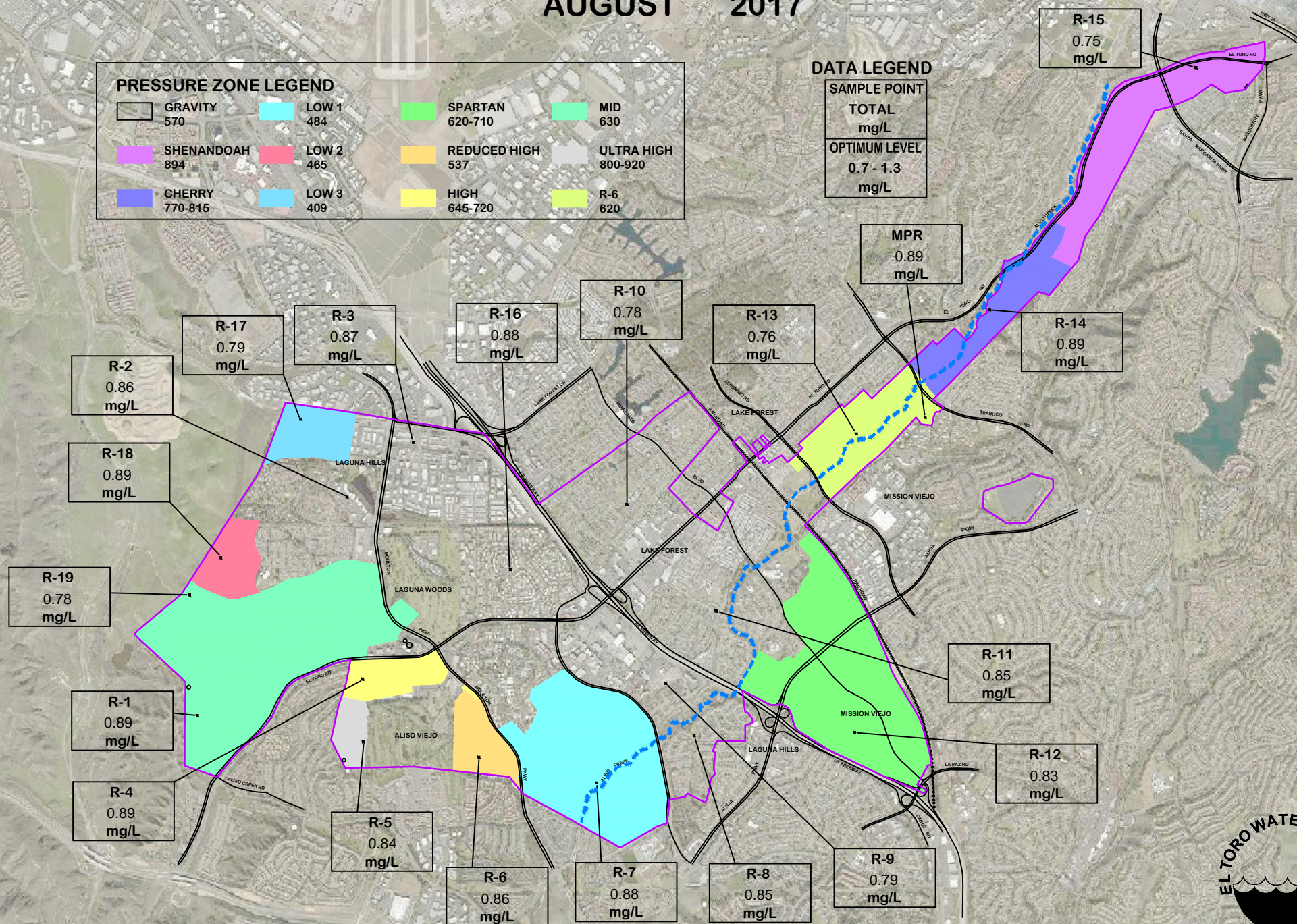
AUGUST 2017

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

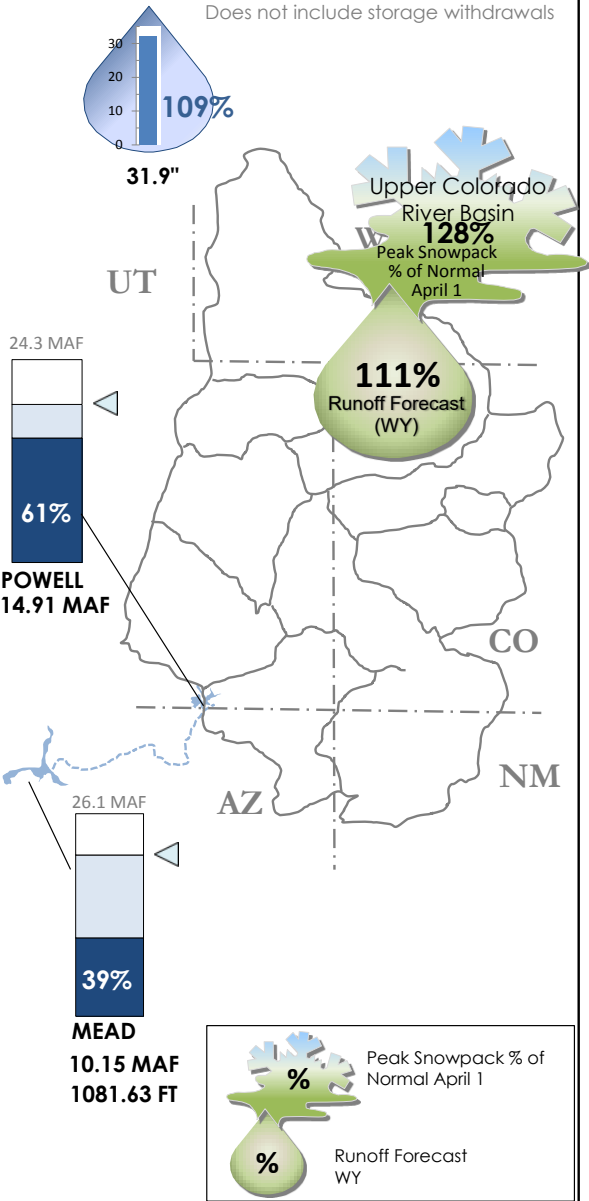







2017 Colorado River

931,000 AF

74% of full CRA






Does not include storage withdrawals

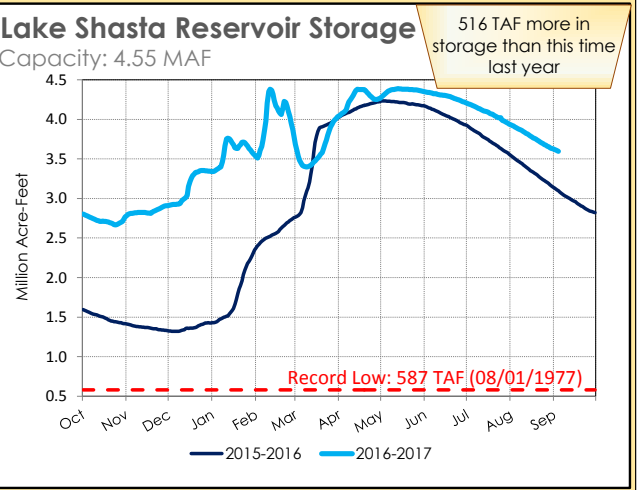
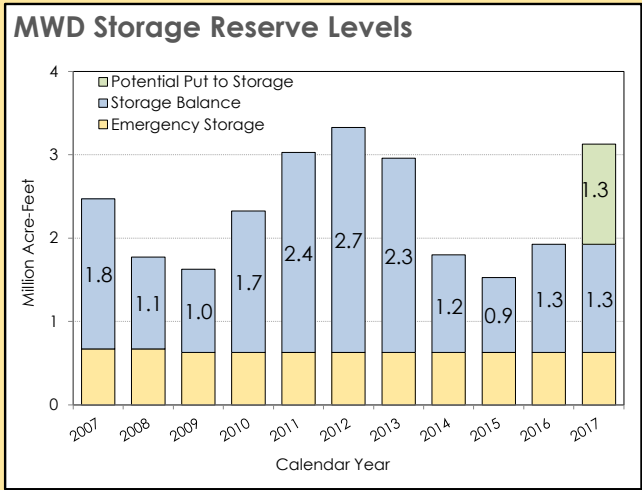
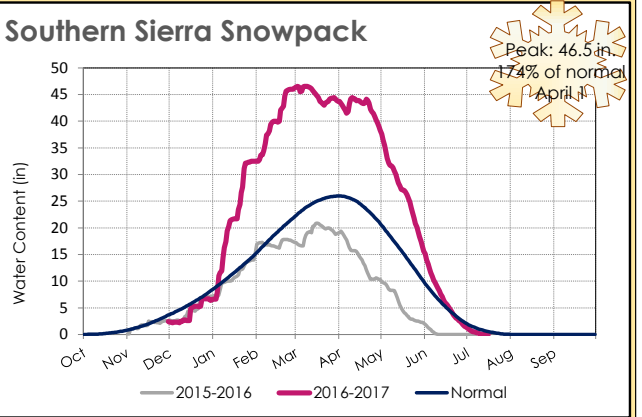
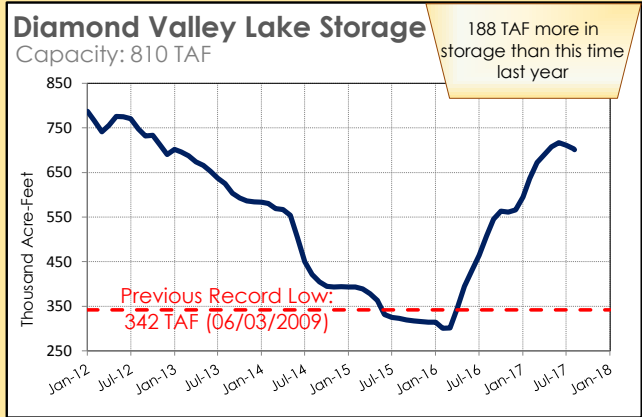


Highlights

- Lake Powell storage is at 15 MAF
- State share of San Luis Reservoir is full
- Diamond Valley Lake has gained 400 TAF since March 2016, with current storage levels at 700 TAF.

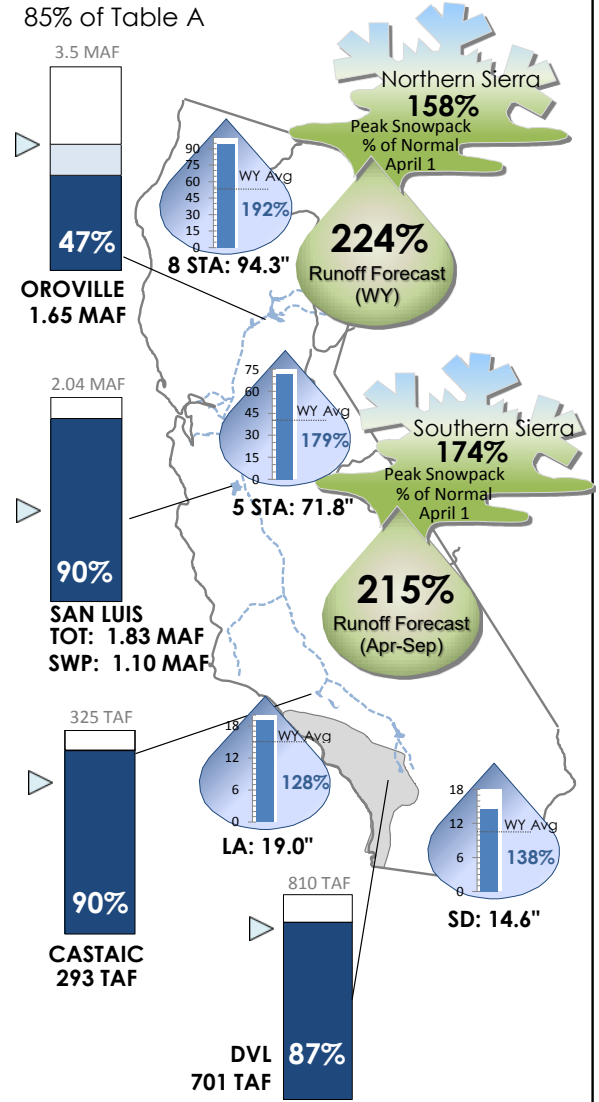








2017 SWP Allocation

1,624,775 AF

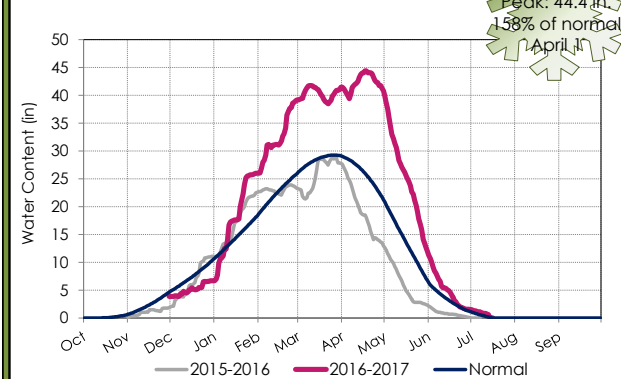
85% of Table A



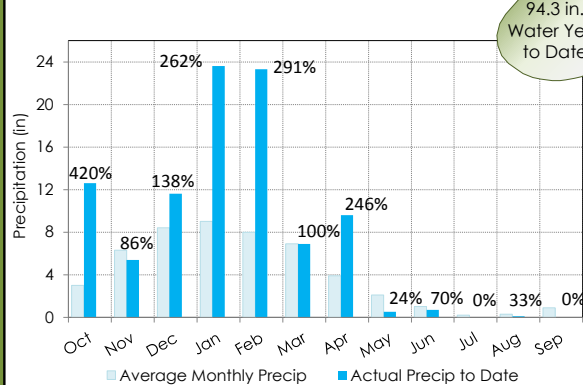
As of: 09/04/2017

State Water Project Resources

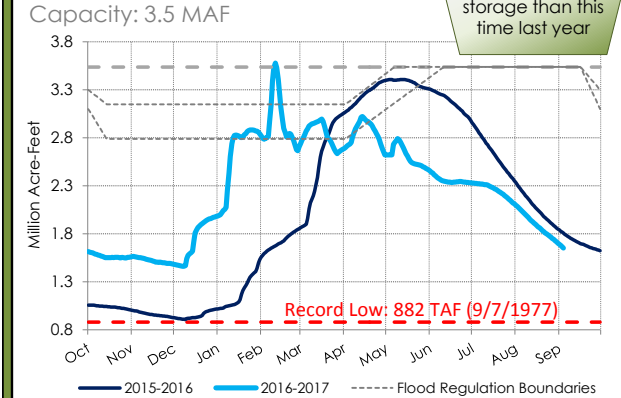
Northern Sierra Snowpack



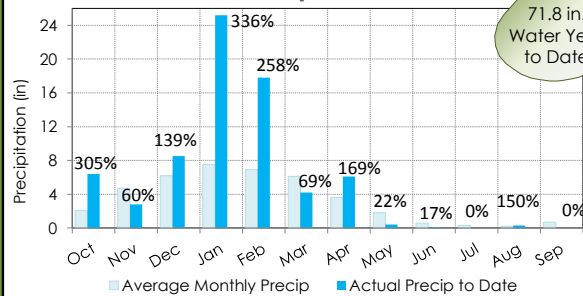
8 Station Index Precip



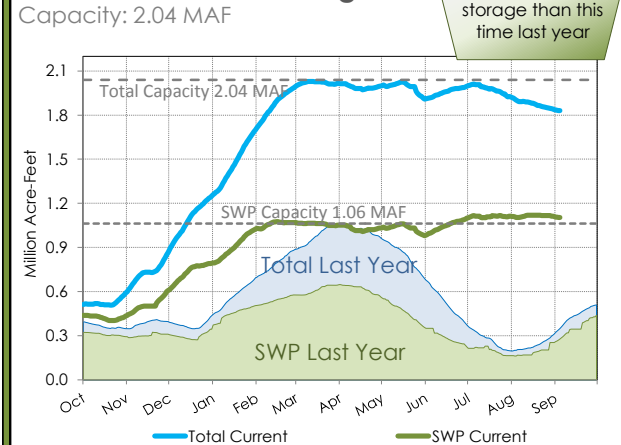
Oroville Reservoir Storage



5 Station Index Precip



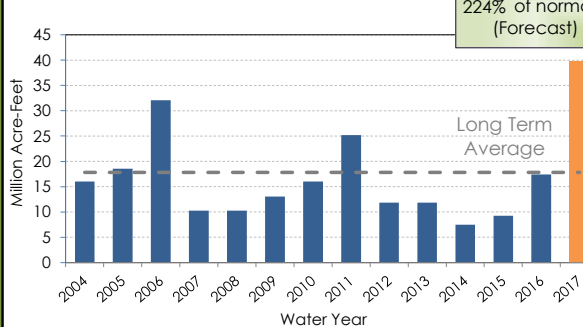
San Luis Reservoir Storage



Other SWP Contract Supplies for 2017 (AF)

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

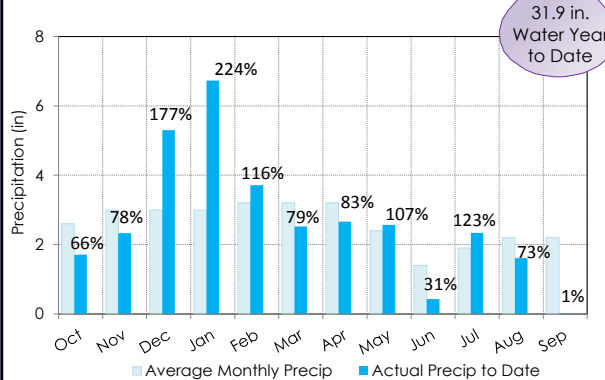
Sacramento River Runoff



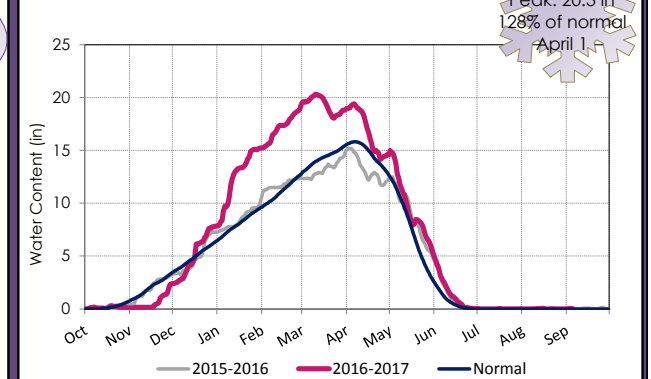
Colorado River Resources

As of: 09/04/2017

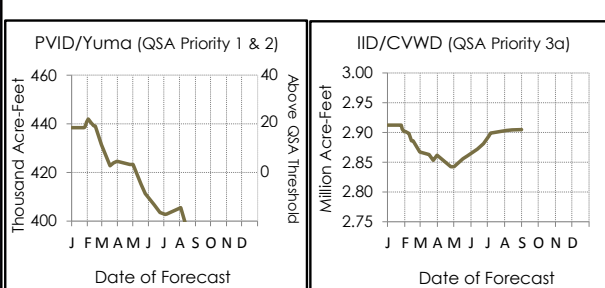
Upper Colorado Basin Precip



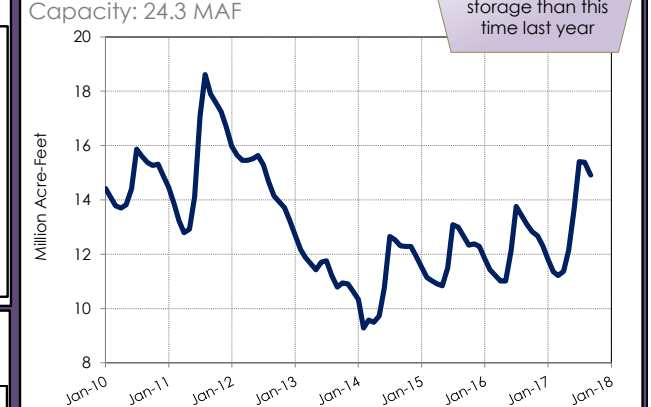
Upper Colorado Basin Snowpack



2017 Colorado River Ag Use



Lake Powell Storage

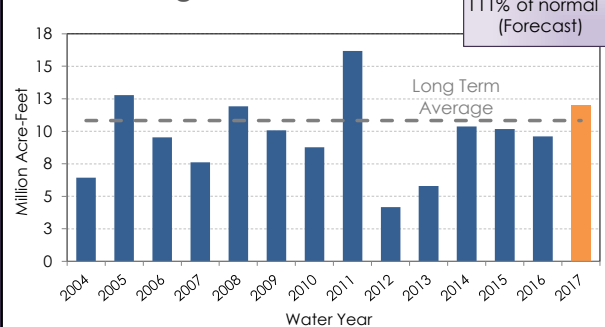


Lake Mead Shortage/Surplus Outlook

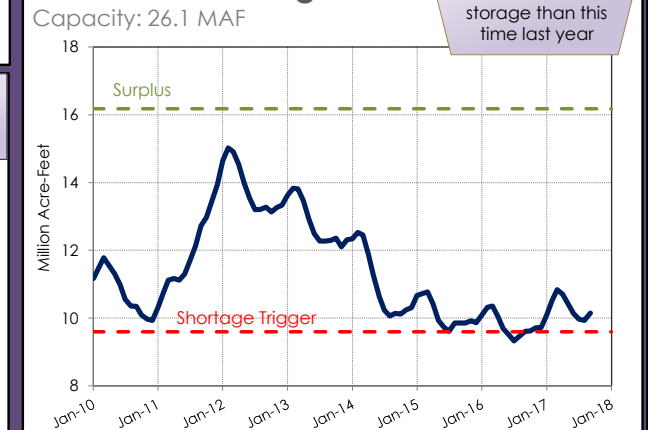
	2018	2019	2020	2021	2022
Shortage	N	31%	32%	34%	39%
Surplus	0%	5%	13%	18%	21%

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

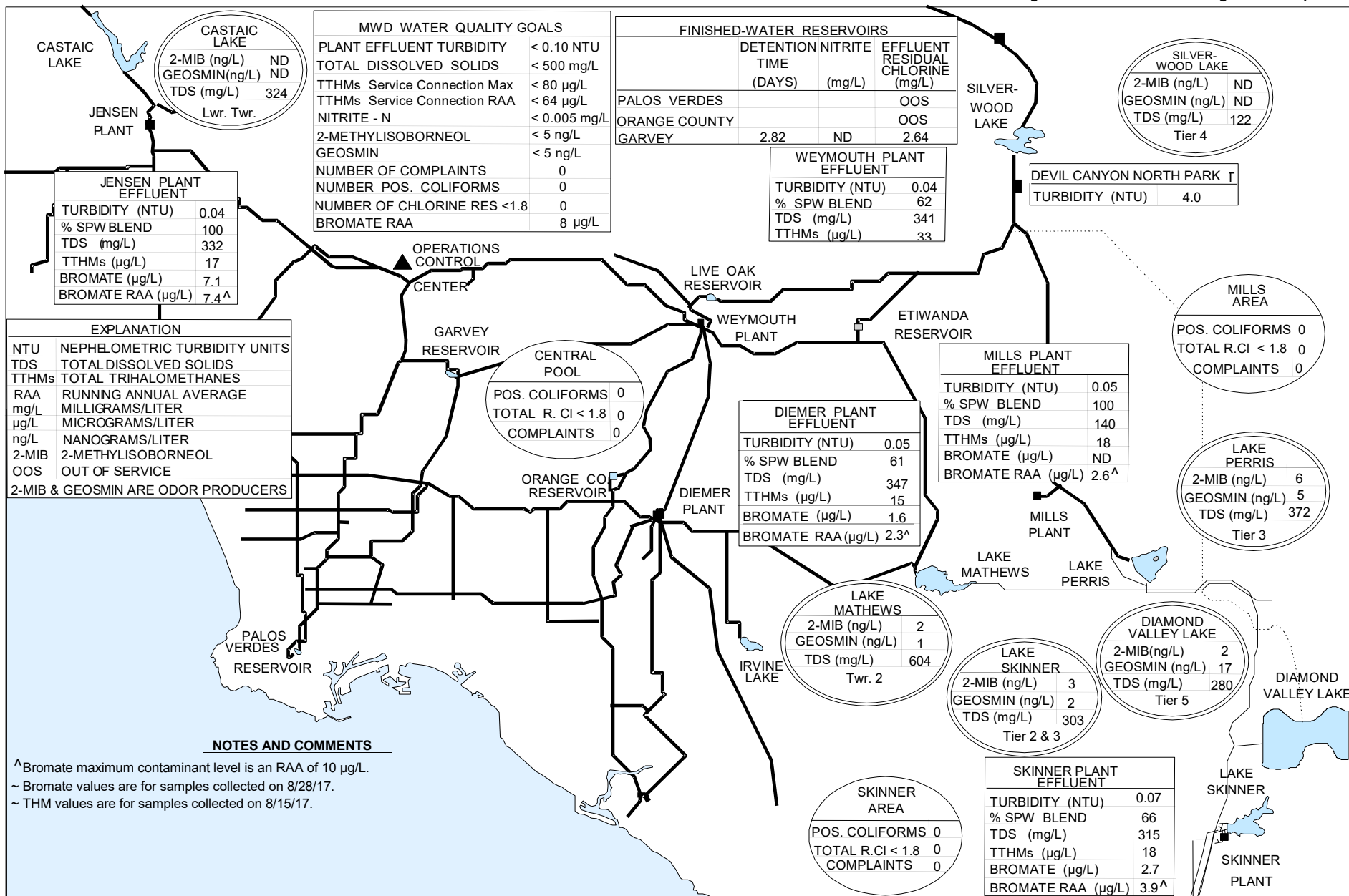
Wednesday, September 06, 2017

Printed On: 9/6/2017 3:40:42 PM



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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



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

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



Memorandum

DATE: September 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 July but imported usage has increased due to the In Lieu program.
- Fig. 2 OC Water Usage, Monthly, Comparison to Previous Years Water usage in July 2017 was slightly below average compared to the last 5 years but was higher than in July of 2015 but less than July 2016. We are seeing a slight increase in overall water usage compared to the historical lows of the 2015-16 Fiscal Year. In June 2016, all water conservation became voluntary for MWDOC agencies and the Great California Drought was declared over by the Governor in April 2017.
- Fig. 3 Historical OC Water Consumption The Fiscal Year is very new but OC water consumption is projected to be 558,000 AF in FY 2017-18 (*this includes ~15 TAF of agricultural usage and non-retail water agency usage*). This is about 33,000 AF more than FY 2016-17 and is about 65,000 AF more than FY 2015-16 (During the SWRCB mandatory water restrictions). Water usage per person is projected to be slightly higher than in FY 2017-18 for Orange County at 155 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.

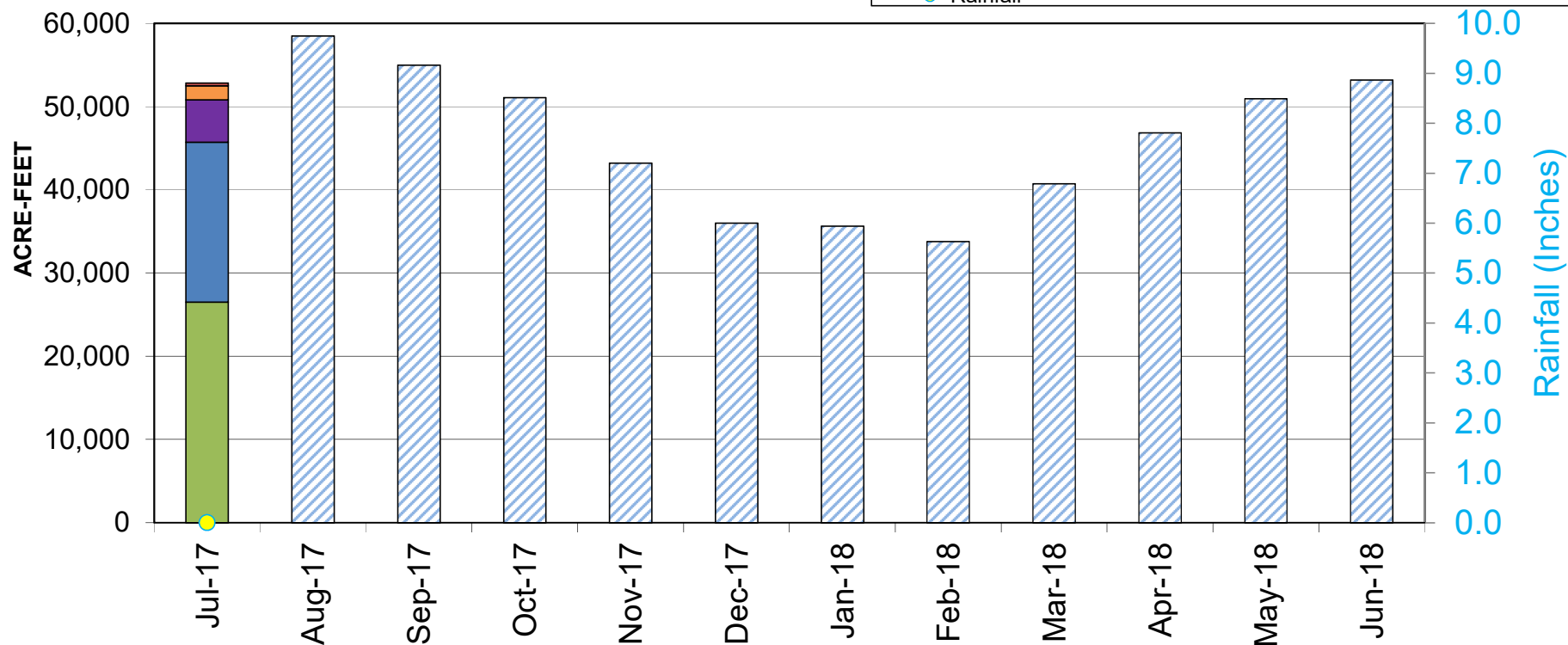
Water Supply Information Includes data on Rainfall in OC; the OCWD Basin overdraft; Northern California and Colorado River Basin hydrologic data; the State Water Project

(SWP) Allocation, and regional storage volumes. The data have implications for the magnitude of supplies from the three watersheds that are the principal sources of water for OC. Note that a hydrologic year is Oct. 1st through Sept. 30th.

- Orange County's accumulated rainfall through August 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 August was around 190% of normal for this period. Water Year 2017 is the wettest water year on record. The Northern California snowpack was 195% of normal as of May 26th. The State of California was in a declared Drought Emergency that started January 2014 and just recently ended in April of 2017. As of early September, only 8% of California is still suffering from moderate or severe drought. The State Water Project Contractors Table A Allocation was set at 85% as of the end of April.
- Colorado River Basin accumulated precipitation through August was 109% 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 to the Lower Basin states. As of late August, Lake Mead levels were 6.5' above the "trigger" limit. The USBR predicts that the end of 2017 or the end of 2018 will not hit the "trigger" level.



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



- [1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water, "Barrier Replenishment" deliveries, and deliveries into Irvine Lake.
- [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '16-17 is 75%.
- [3] 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

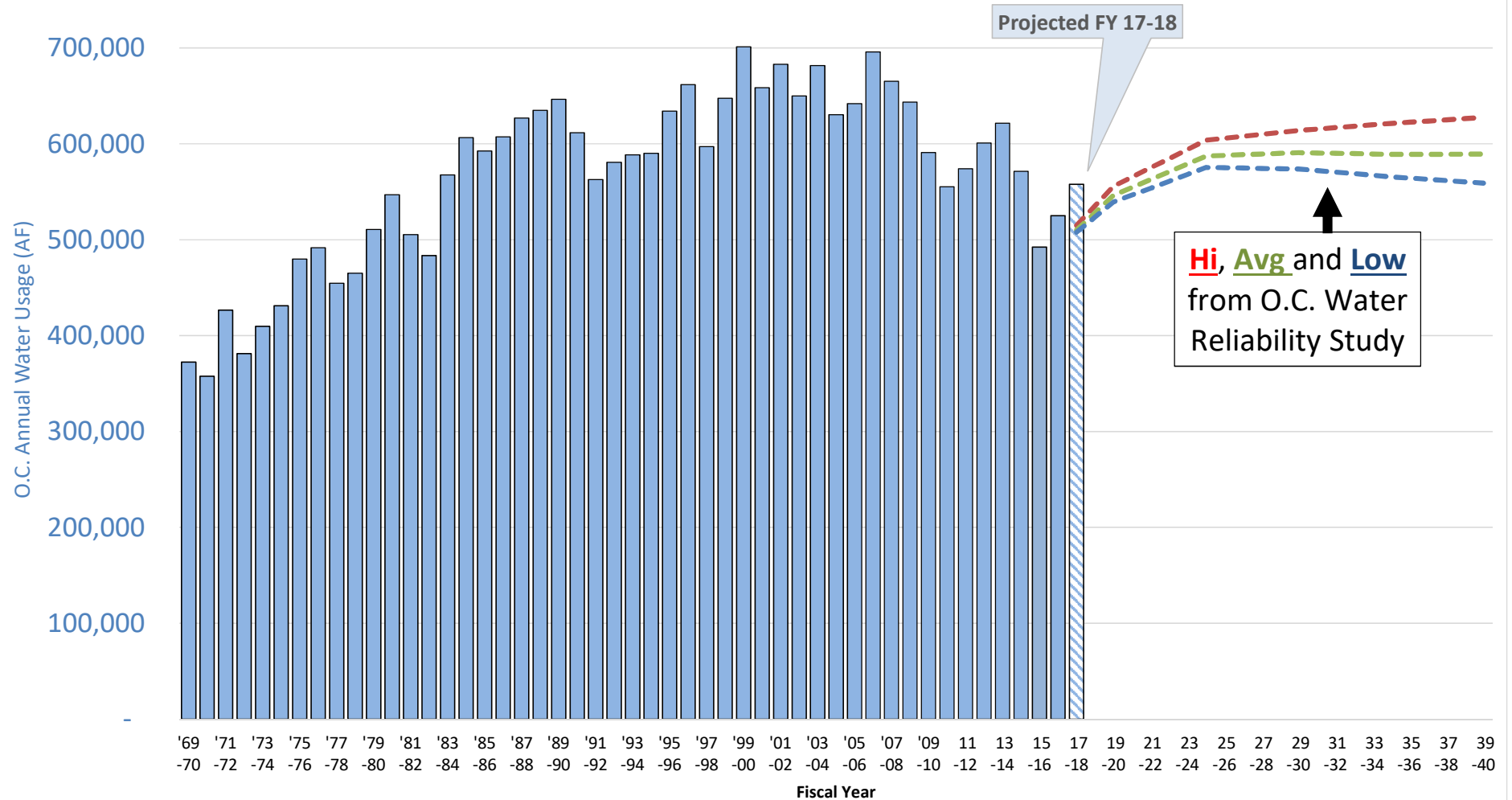
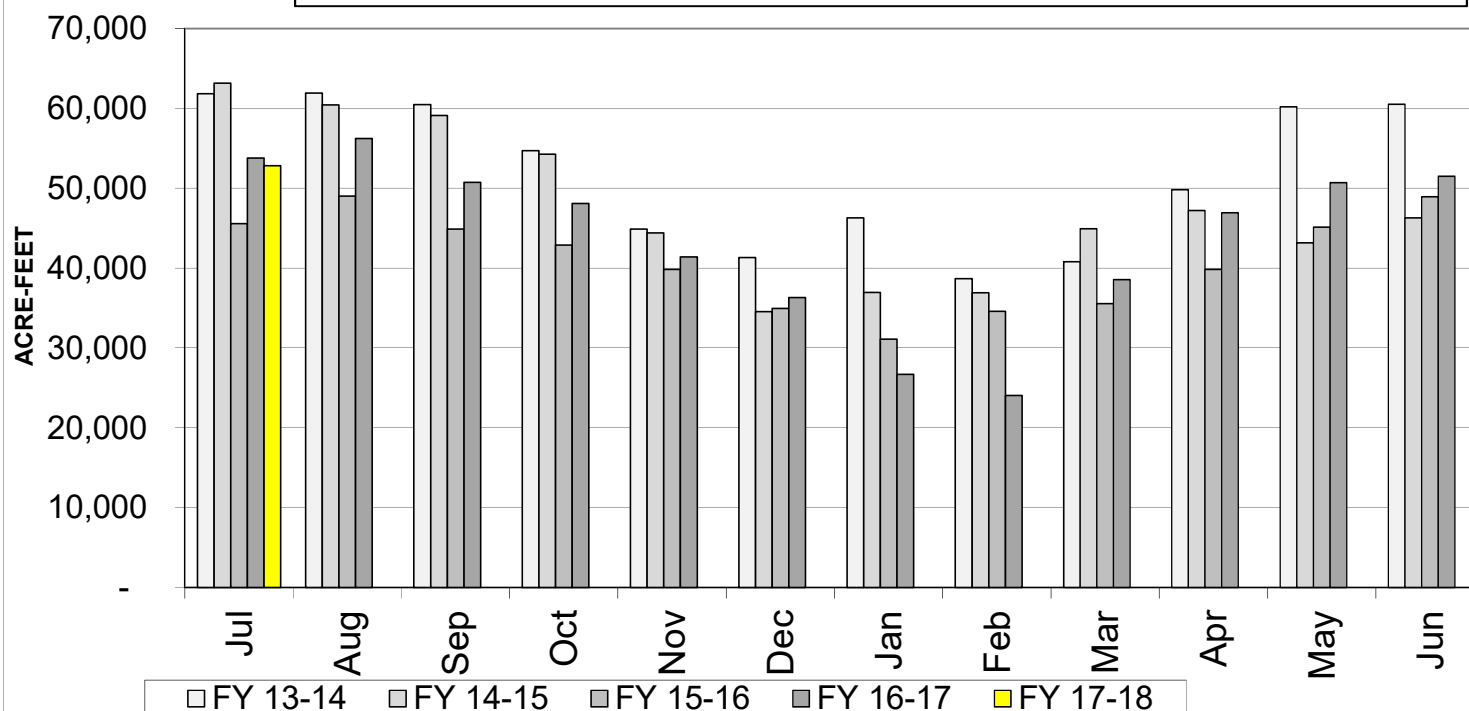
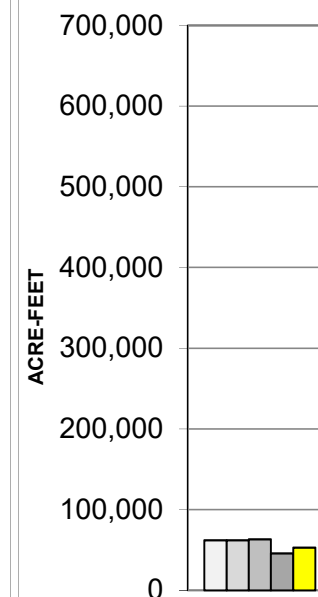




Fig. 2A OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years

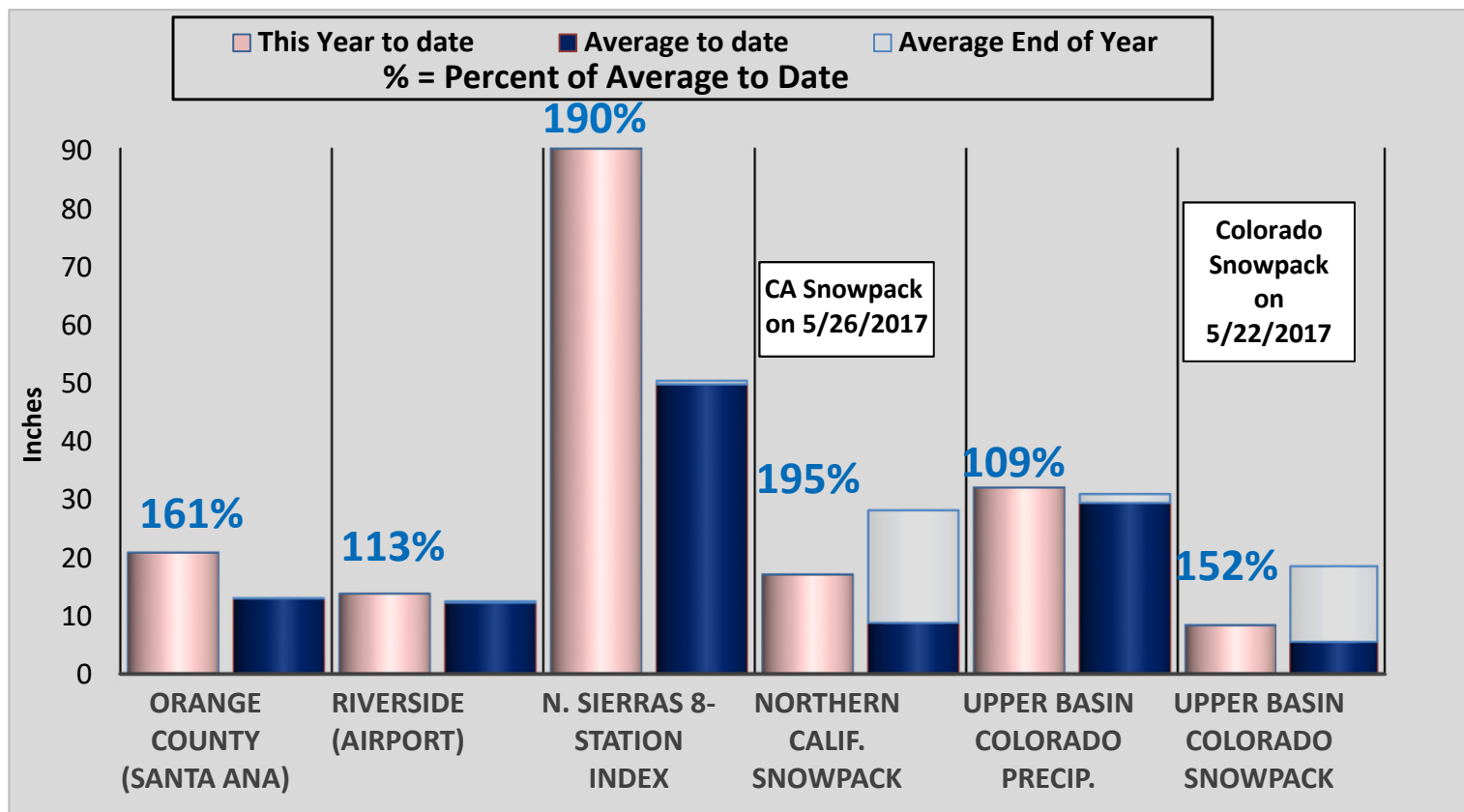


Partial Year Subtotals



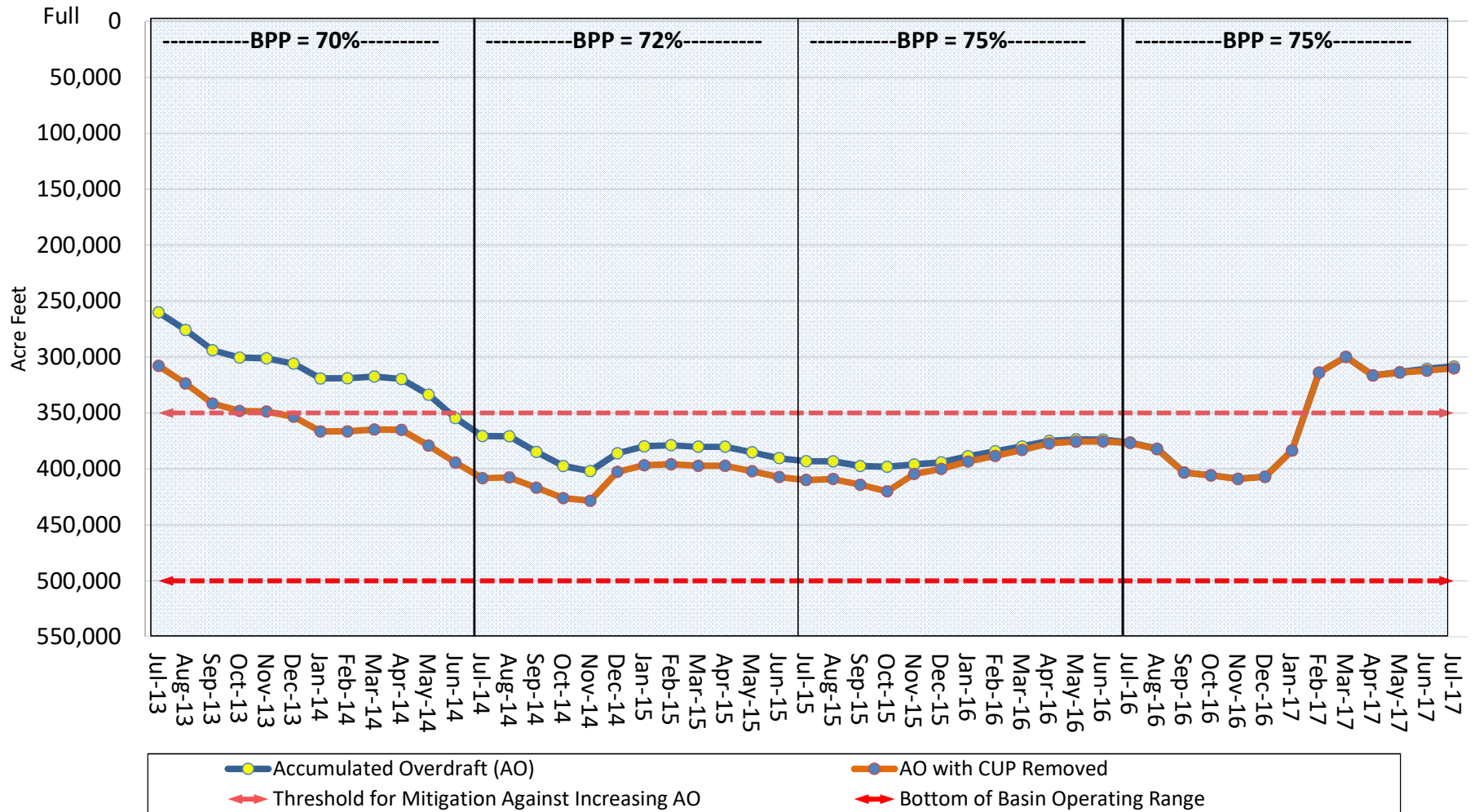
[1] Sum of Imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water; excludes GWRS production, groundwater pumped to waste, and waste brine from water treatment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

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



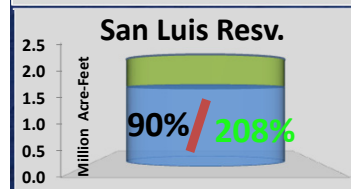
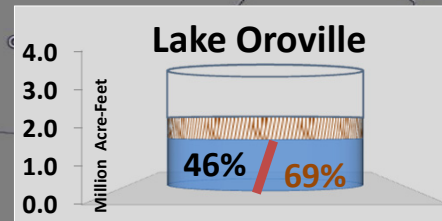
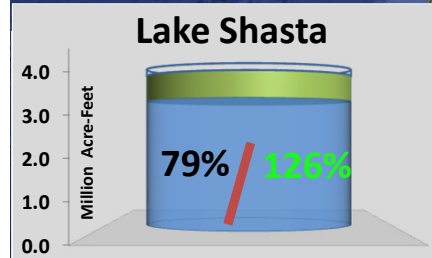
* The date of maximum snowpack accumulation (April 1st in Northern Calif. , April 15th in the Upper Colorado Basin) is used for year to year comparison.

Accumulated Overdraft of the OCWD Groundwater Basin as of July 2017



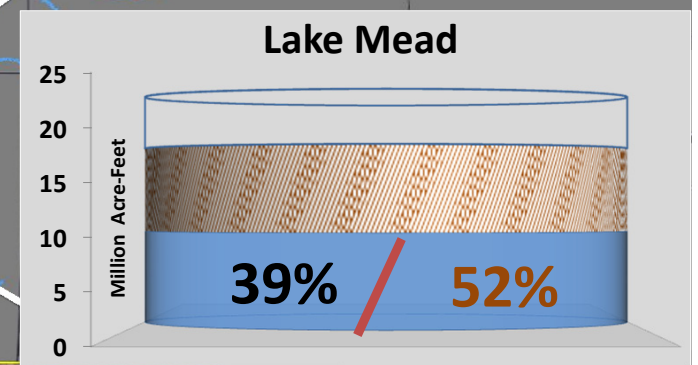
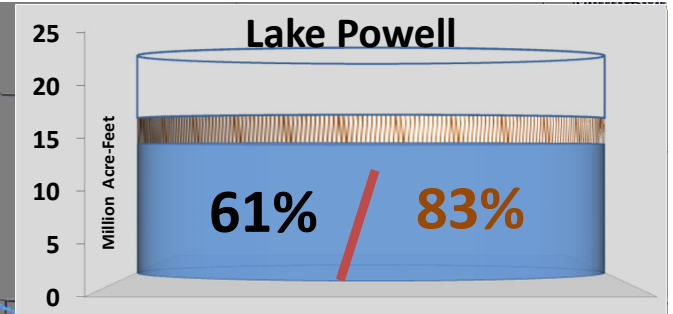
State Water Project, Colorado River, and MWD Reservoir Storage

as of September, 6th 2017



% of Capacity

% of Historical Avg.



© 2015 INEOI



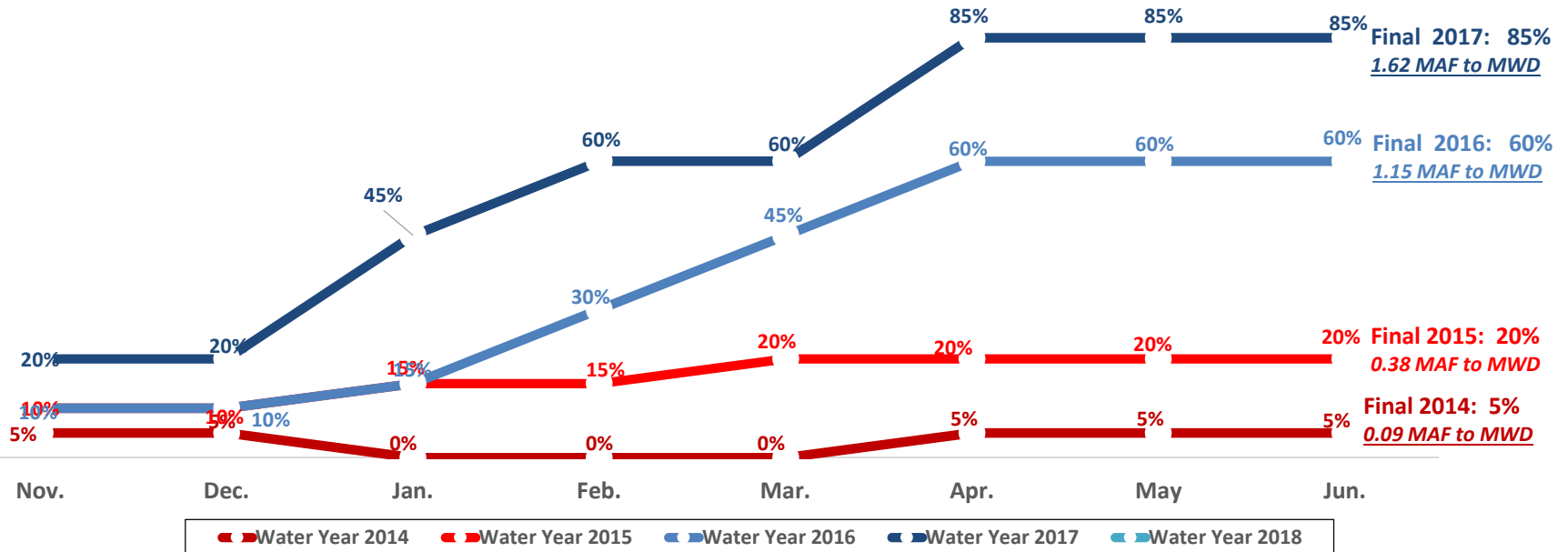
prepared by the Municipal Water District of Orange County
*Numbers are Subject to Change



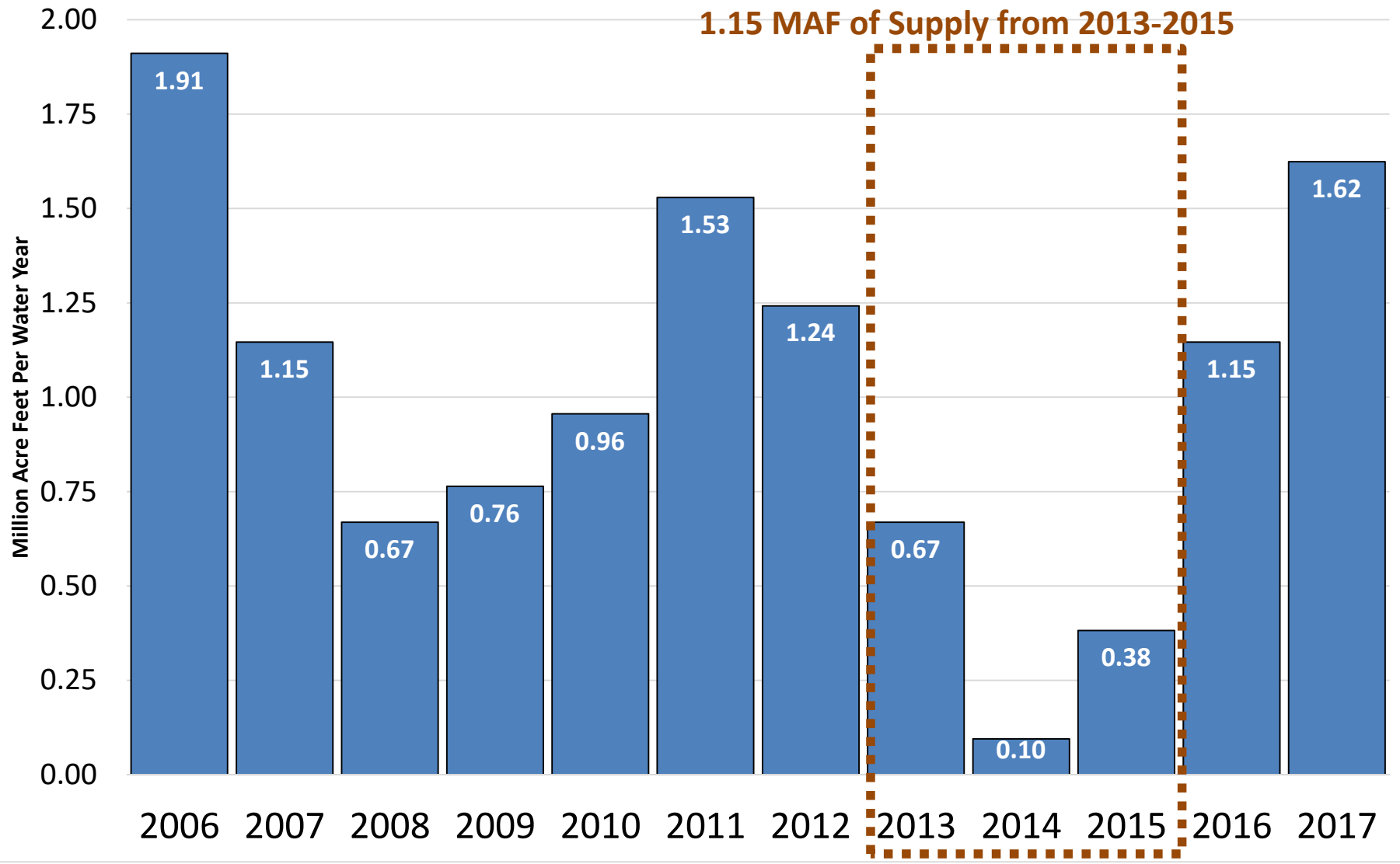
SWP TABLE A ALLOCATION

FOR STATE WATER PROJECT CONTRACTORS

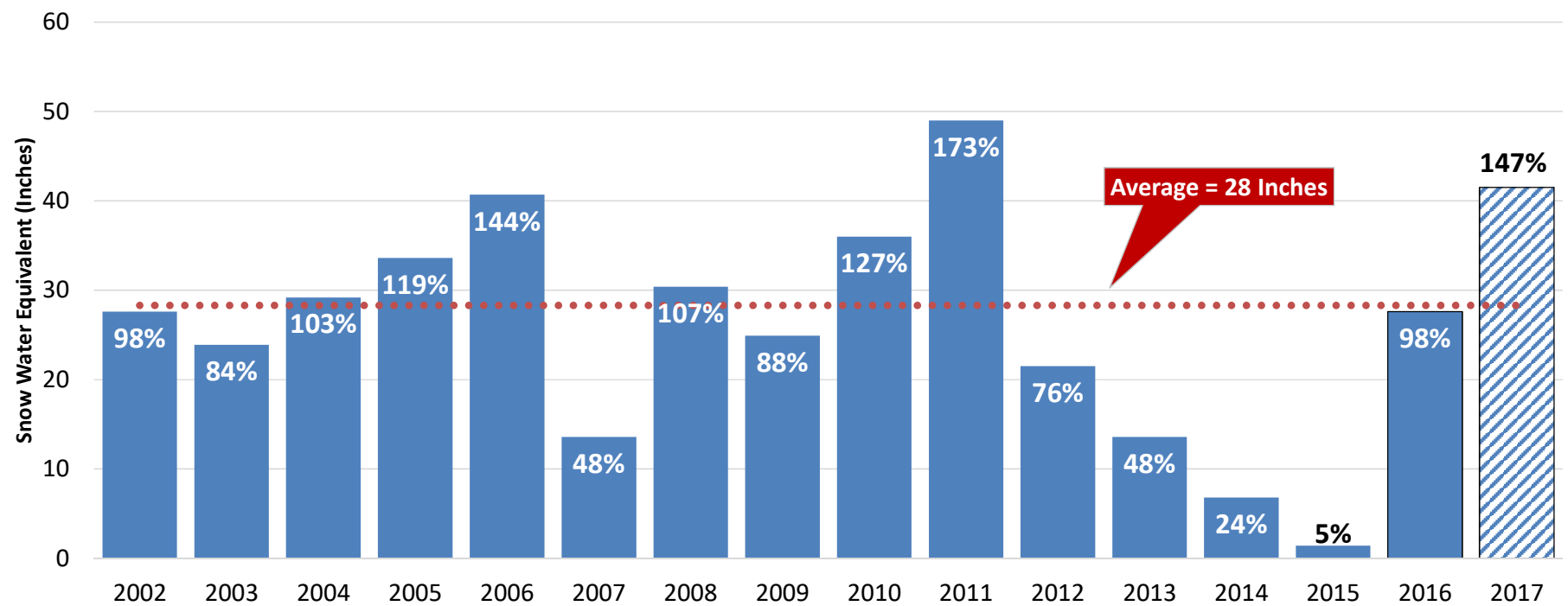
Final 2018: ???



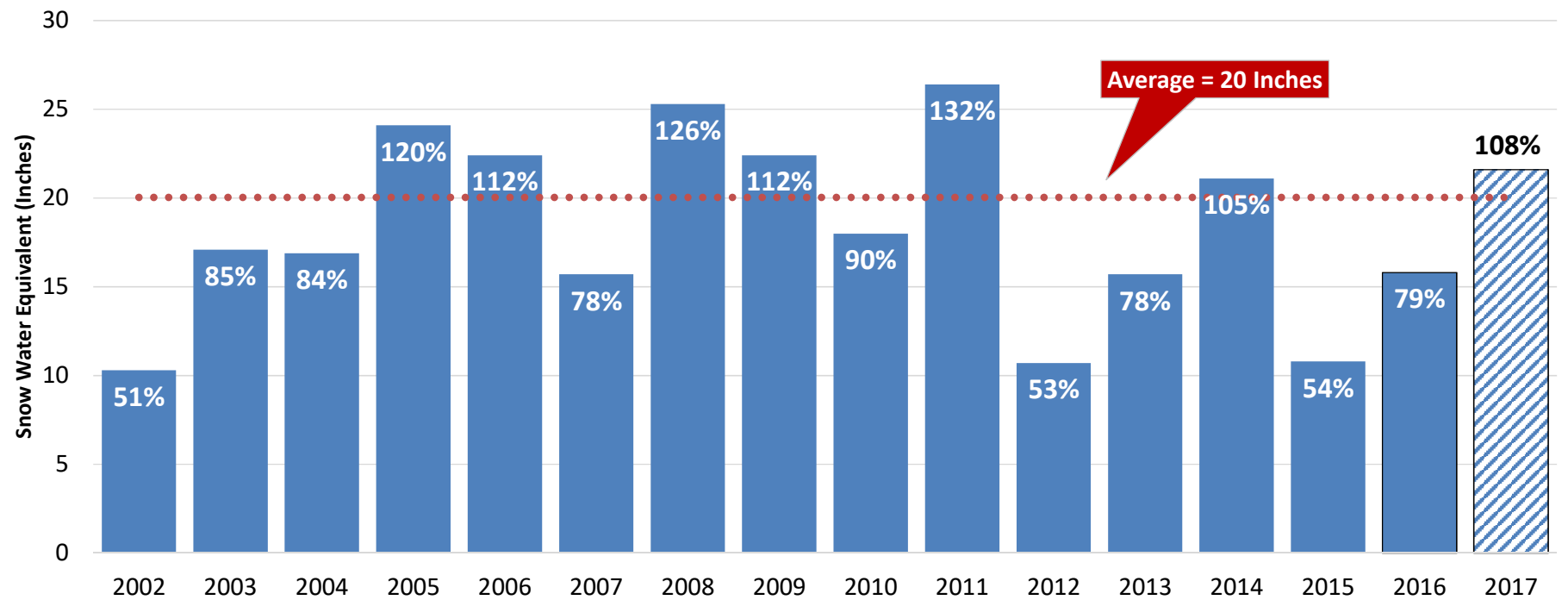
MWD Table A Supply (MAF per Water Year)



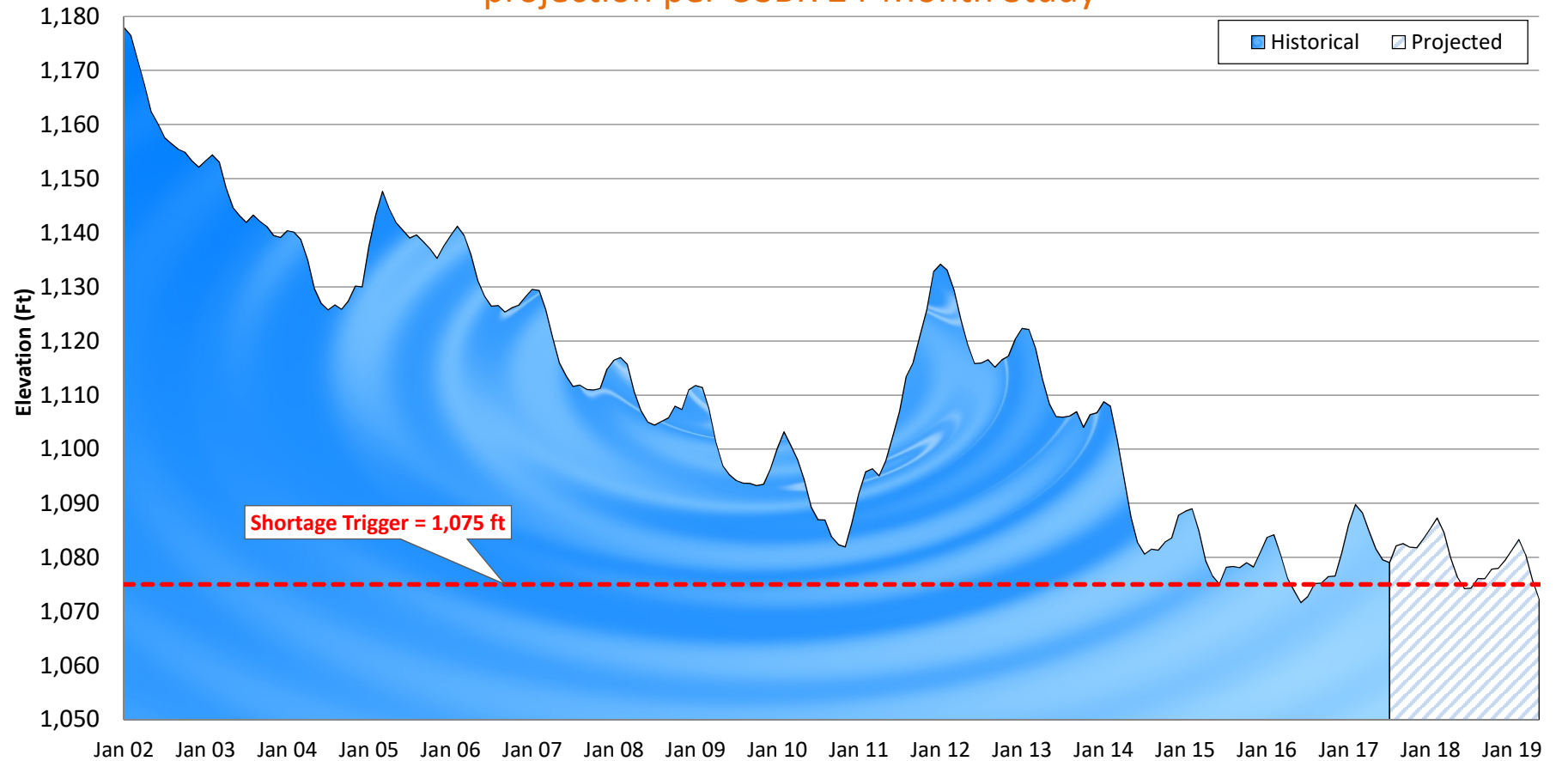
Historical Northern California April 1st Peak Snow Water Equivalent



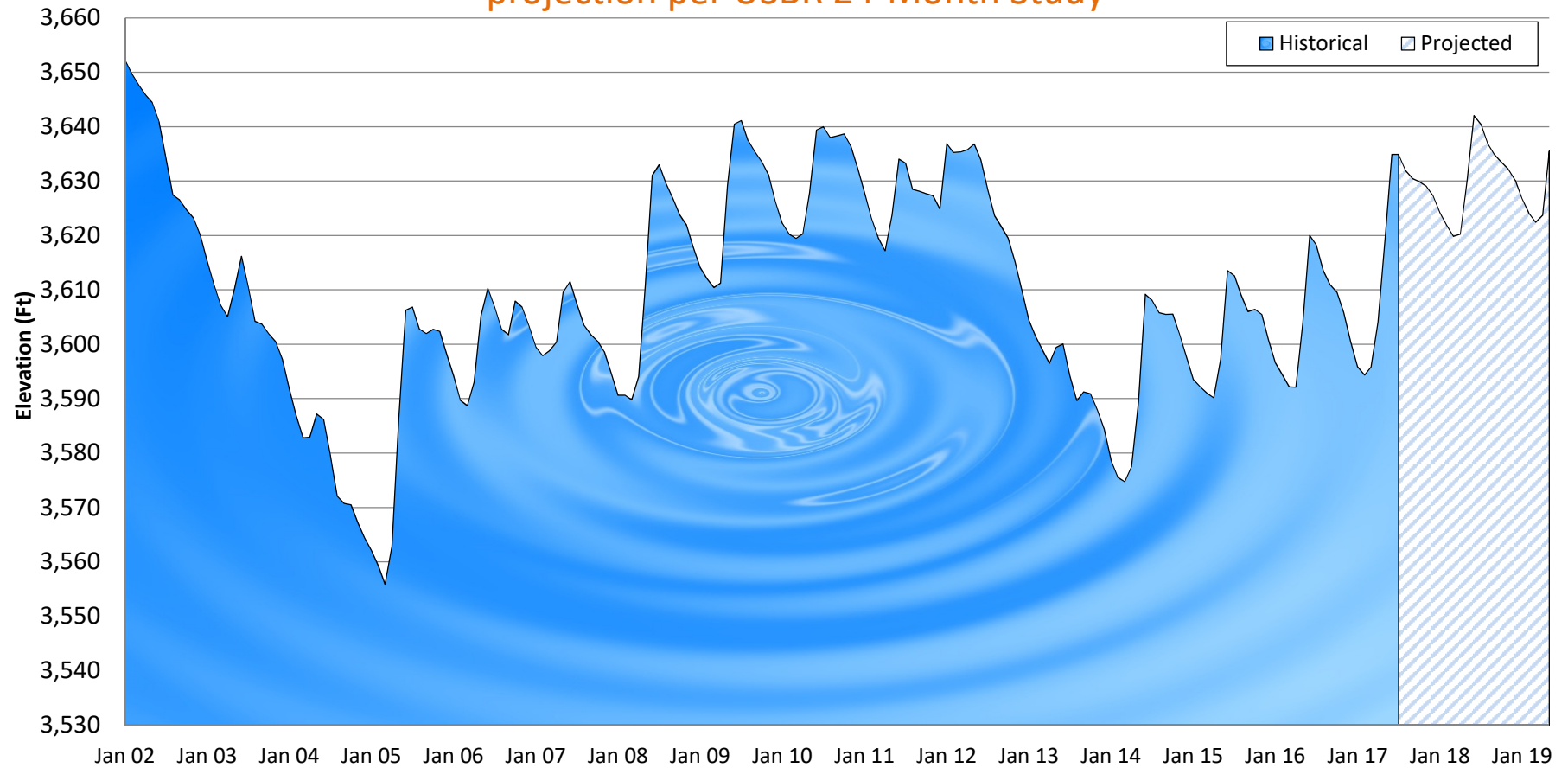
Historical Colorado Basin April 15th Peak Snow Water Equivalent



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

(August 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
6/22/17	Precision Hospitality & Development, LLC	Dunkin Donuts	ND	23771 El Toro Rd.	Issued	7/24/17

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.
July 1, 2017	PRIVATE	RECYCLED	23201 Ridge Route Dr., LW	Broken 2" Sprinkler Line	stopped flow, LW ground Forman was notified	N/A	N/A	City to make repairs	8	Storm Drain				20,000	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
July 2, 2017	PRIVATE	RECYCLED	22535 Caminito Pacifico, LH	Broken Angel Valve	Stopped flow	N/A	N/A	Fixed the broken valve and cleaned up mud	8	Storm Drain				2,220	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
July 13, 2017	PRIVATE	RECYCLED	24402 Ridge Route Dr., LW	Irrigation Control Malfuntion	Turned off angle meter stop, made dam to stop flow	N/A	N/A	Contacte ground management for repairs, cleaned up area	8	Storm Drain				90	CL2 residual at storm drain was <0.1 mg/L, will send notification in RW monthly SMR.
AUGUST	NO		SPILL	TO	REPORT										
											0	0	15	25,630	
LEGEND			S.DC = San Diego Creek		RES. = Residential		R.S. = Rocks								
			S.D. = Storm Drain		C. = Commercial		C.W.D. = Calcium Water Deposits								
			A.C. = Aliso Creek		S.B. = Siphon		B.P. = Broken Pipe								
			G.B. = Grease Blockage		P.F. = Power Failure		U.W. = Untreated Water								
			S. = Sticks		P. = Paper		R. = Roots								

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
July	1,016.80	5.80	849.65	6.34	-167.15	-16%	65.31%	554.91	120	56.51	206.55
August	1,042.70	6.55	829.15	6.13	-213.55	-20%	64.21%	532.43	115	49.34	201.74
Total	22,235.40	123.95	16,461.92	118.44	-5773.48	-26%	68.10%	11,053.10	90	1,080.61	2,920.20

Bob Hill

From: SWRCB Office Research, Planning & Performance <drinc@waterboards.ca.gov>
Sent: Tuesday, September 12, 2017 12:30 PM
To: Bob Hill
Subject: Monitoring Report Acknowledgement for August 2017

Hello Robert Hill

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

Reporter	Robert Hill
Urban Water Supplier(Number)	El Toro Water District (562)
Reporting Month	0817
Stage/Mandatory	None No
Days Outside Irrigation	
Total Potable Water Production	829.15 AF
2013 Same Month Production	1042.70 AF
CII Water	91.04 AF
Commercial Agricultural Water	0 AF
Commercial Agricultural Water 2013	AF
Recycled Water	201.74 AF
Non-revenue Water	AF
Residential Use Percentage	64.21 %
Population	48628
Estimated R-GPCD	115
Number Complaints	1
Number Follow-ups	1

Number Warnings	0
Rate Penalties	0
Other Penalties	0
Enforcement Actions	
Actions Taken	
Implementation Comments	
Qualification	

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

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

(WRP) Tertiary Treatment Plant

Aug-17

Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.490	1.571	0.060	2.121
Total Q MG	15.181	48.707	1.848	65.763
Total Acre Feet	46.589	149.476	5.671	201.736



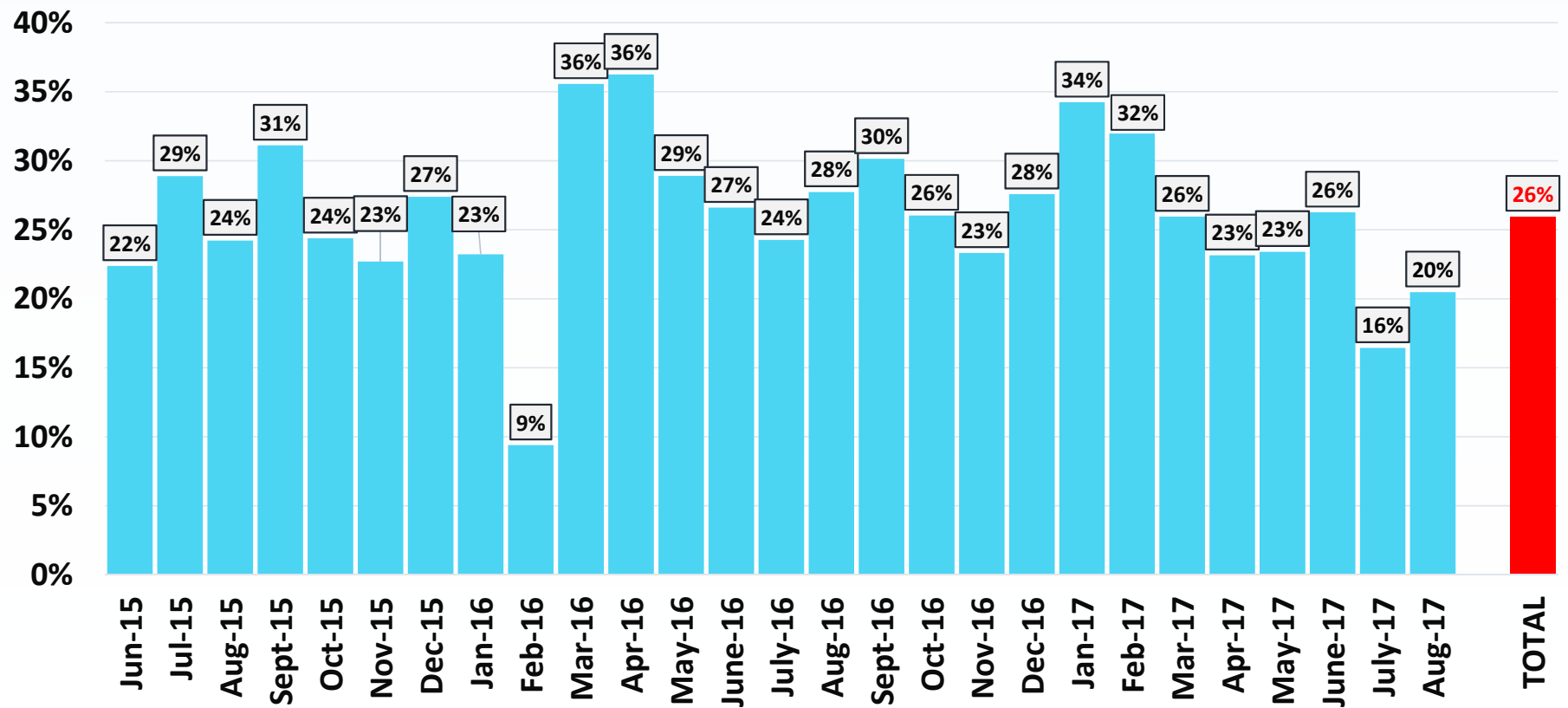
Customer Service Drought Log

August 2017

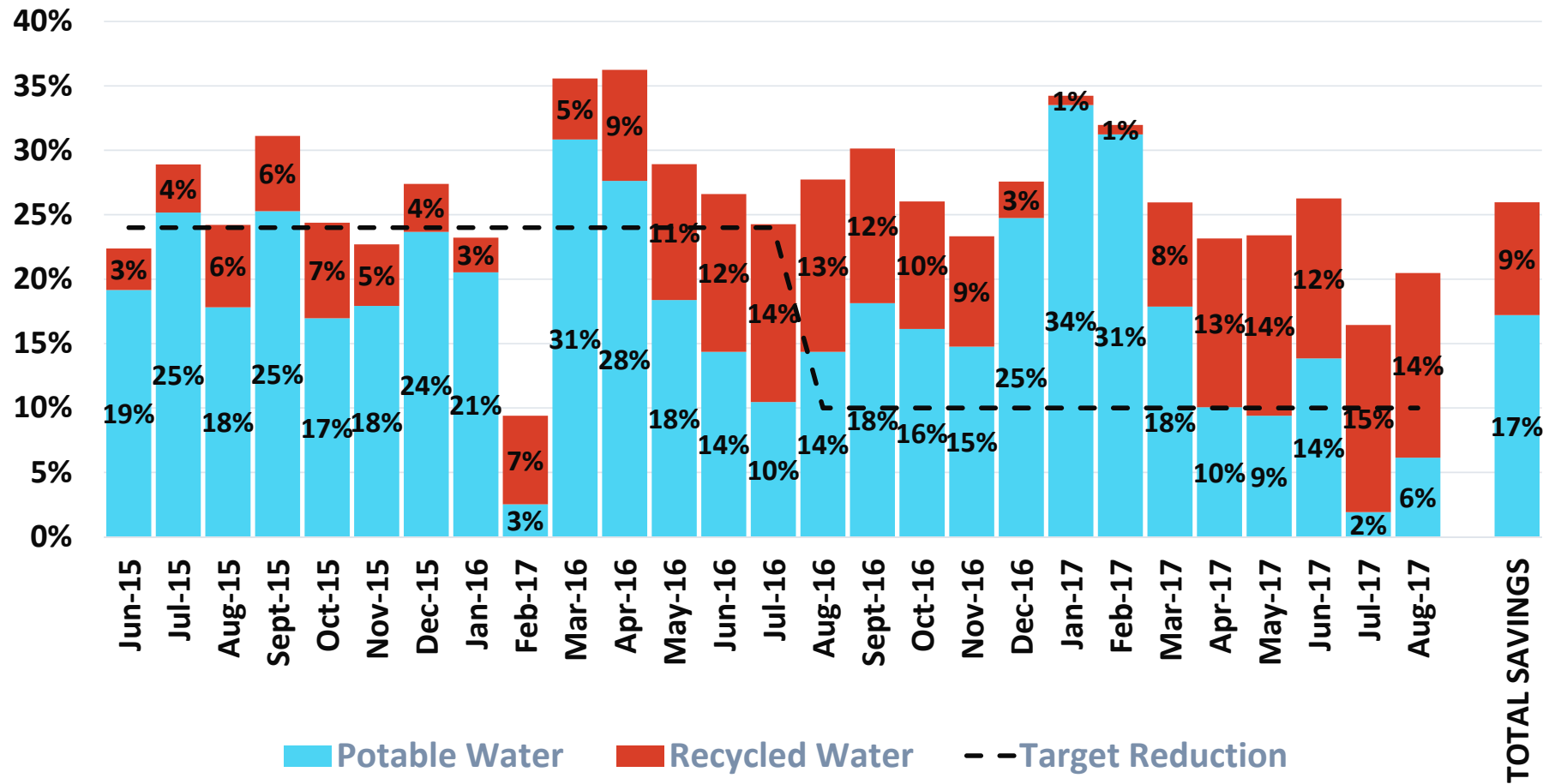
Complaint Date	Source	City	Drought Response Level	General Comments	Location Details	Office Comments	Office Actions	Field Comments	Field Actions	Violation Types	DRIType
8/28/17	Call	Laguna Woods		Per voice mail there is a broken sprinkler in the irrigation at the corner of San Remo and Santa Victoria. No other information was left on the voice message. li	Irrigation Area		Assigned W.O.	Verbally notified Ryan Handley at the City of Laguna Hills. Complete 9-5-17 RHazzard	Talked to Resident	Broken sprinkler or pipe	Water Waste Complaint

1 Water Waste Complaint
0 Educational Door Hangers

ETWD WATER SAVINGS COMPARED TO 2013



ETWD WATER SAVINGS COMPARED TO 2013



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Nicholas Crockett
Alia Cardwell

Municipal Water District of Orange County, California
Washington Update
September 12, 2017

Congress returned to Washington last week after a near month long August Recess period and immediately was able to pass a short term spending bill to keep the federal government running until December 8 with a stunning \$8 Billion Hurricane Relief Package for Texas and Florida. The Continuing Resolution also contained a provision which allows the federal government to continue to borrow money—which is called the Debt Limit Extension.

The back story--the spending agreement came together at the White House after President Trump stunned the participants in an oval office meeting by agreeing to the strategy laid out by Senator Schumer (D-NY) and Congressman Pelosi (D-Ca), the respective Democratic Congressional Leaders in the Senate and the House. This agreement came as a surprise to cabinet officials in the room as well as the Senate Majority Leader, Senator McConnell, and House Speaker Paul Ryan.

The Secretary of Treasury and the two Republican Congressional Leaders were hoping to pass a debt limit extension that would run until after the November 2018 elections but that prospect was taken off the table with President Trump's decision—and ultimately the debt limit extension was only extended for three months setting up potentially another brinksmanship moment for the potential closure of the Federal Government in Washington just before Christmas.

In the larger picture, the House is working on sending an Omnibus Package of Twelve Appropriations Bills to the Senate by later this week. The Senate in turn is significantly behind the House in their passage of Appropriations Bills off the Senate Floor. Important to mention here, the House and the Senate for the most part have rejected attempts by the Trump Administration to significantly reduce spending in various federal agencies.

Senior Staff and Members of Congress advise us that they believe we will see a negotiated appropriations package pass some time during the month of December. Everyone has their fingers crossed that a Debt Limit Extension can also pass without difficulty. Normally the deadline to pass the appropriations bills is September 30th of each year.

There is still no resolution to the Obama Health Care Insurance set of issues. The ability for the Senate to use the 51 vote majority procedure under a budget reconciliation procedure ends on September 30th and as a result there is another major effort underway to determine what if any kind of health insurance related bill can pass the Senate.

On the Trump Infrastructure front, there is still no detail available about what the Trump Administration plans to do about Infrastructure and it is significant that the references made to Infrastructure don't necessarily refer to water or sewer related issues. This is very troubling. We are tracking this closely and watching what the Administration is saying.

For the last several months the Trump Administration has been saying that it will turn to a more specific Infrastructure Program after the Congress has passed "Tax Reform".

There are efforts underway, particularly in the House, to move a Tax Reform Bill but given the complexities of the subject matter, most Members and Staff are not optimistic about seeing a "major bill pass this fall".

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

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

On the Appropriations front for FY2018 to provide a glimpse of federal water related spending--below is a Table that reflects some of the major federal water accounts from the Bureau of Reclamation:

	Trump Budget Proposal	House Committee	Senate Committee	
Water Smart Grants	\$23.366M	\$24M	\$24M	
Water Conservation Field Program	\$4.038M	\$4.038M	\$4.038M	
Cooperative Watershed Basin Studies	\$1.75M	\$1.75M	\$2.250M	
Drought Response /Drought Plans	\$3.250M	\$3.250M	\$4M	
Title XVI Projects	\$21.5M	\$35M	\$34.406M	

A review from last month, the House 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 merged with the Senate Bill and is signed into law. We anticipate competitive grant programs to be developed to distribute these funds.

Again, with the Congress being gone from the middle of August until last week, there has not been movement on many water issues here. Among other issues, we are tracking the Water Fix Issue, WIFIA Funding, the IRS Turf Removal Fix, and the consideration of HR 23, the California Drought Relief Measure (Passed the House and is awaiting consideration in the Senate). HR 23 is sponsored Congressman Valadao of the Central Valley. We are also monitoring the implementation of the California Drought Relief bill which passed the Congress last December.

JCB 9/12/2017



Memorandum

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: September 18, 2017
Re: Monthly State Political Report

Permanent Conservation Regulations/Legislation

As of Tuesday, September 12th, when this report was prepared, the two remaining bills carrying the language to implement “Making Conservation a Way of Life,” AB 1668 (Friedman) and SB 606 (Skinner/Hertzberg), are being held up until procedural issues between the two houses are resolved. SB 606, which is in the Assembly, past out of the Appropriations Committee late in the day on the 11th, but was then parked in the Rules Committee instead of being sent to the Floor as is typical. One possible reason is that AB 1668 has not been set for a hearing in the Senate Appropriations Committee. Whatever the reason, the two bills are now joined together, which means that each bill must be enacted in order for either bill to take effect.

Both bills have been amended and are no longer identical. AB 1668 now contains the indoor and outdoor residential efficiency standards, the CII water use standards, and the recycled water credit. In other words, most of the controversial items. Session ends on Friday the 15th, so BB&K will update the PAL Committee on the final outcomes at the meeting.

Legislation

As of the 12th, AB 1668 and SB 606 are the only two live bills that MWDOC has a position on, but that may not be the whole picture. SB 623 (Monning-oppose) and AB 1000 (Friedman-oppose) are two-year bills, but rumors abound that one or both may be resurrected in some manner. SB 623 is the bill that would enact a public goods charge on water, and AB 1000 is specifically written to stop the Cadiz project in the Mojave. Some of the rumors seem rather farfetched, but BB&K will closely monitor both issues and report on the outcome at the PAL Committee.

Activity Report

Being the end of session, a total listing of all activity over the last thirty days is not feasible. BB&K has been in contact with each member of the Orange County delegation on behalf of MWDOC at least once, if not several times, since the Legislature reconvened on August 21st.

The County of Orange Report

September 12, 2017
by Lewis Consulting Group

Little Hoover Commission Releases Report on Special Districts

On August 30th, after a year long review, the California Little Hoover Commission, released it's findings and recommendations for Special Districts across California. The report was not the hostile treatise that many in the Special Districts community had feared months ago. In fact, the Commission found "no one size fits all answers".

Much of the Commission's report dealt with either California's 58 LAFCOs or recommendations dealing with taming California's predicted climate change.



In all, the Commission's issued 20 different recommendations and key ones are highlighted below:

Recommendation 1: The Legislature and the Governor should curtail a growing practice of enacting bills to override LAFCO deliberative processes and decide local issues regarding special district boundaries and operations.

"The Legislature and Governor have reason to be frustrated with slow and deliberative LAFCO processes. But these are local institutions of city, county and special district members often better attuned to local politics than those in the State Capitol. Exemptions where the Legislature gets involved should be few, and in special cases where the local governing elites are so intransigent or negligent – or so beholden to entrenched power structures – that some higher form of political authority is necessary."

Recommendation 2: The Legislature should provide onetime grant funding to pay for specified LAFCO activities, to incentivize LAFCOs or smaller special districts to develop and implement dissolution or consolidation plans with timelines for expected outcomes. Funding should be tied to process completion and results, including enforcement authority for corrective action and consolidation.

"The Commission rarely recommends additional funding as a solution. However, a small one-time infusion of \$1 million to \$3 million in grant funding potentially could save California taxpayers additional money if it leads to streamlined local government and improved efficiency in service delivery. This funding could provide

an incentive for LAFCOs or smaller districts to start a dissolution or consolidation process. Participants in the Commission's public process suggested the Strategic Growth Council or Department of Conservation could administer this one-time funding."

Recommendation 3: The Legislature should enact and the Governor should sign SB 448 (Wieckowski) which would provide LAFCOs the statutory authority to conduct reviews of inactive districts and to dissolve them without the action being subject to protest and a costly election process.

"There has been no formal review to determine the number of inactive special districts – those that hold no meetings and conduct no public business. Rough estimates gauge the number to be in the dozens. Simplifying the LAFCOs' legal dissolution process would represent a significant step toward trimming district rolls in California. The Commission supports SB 448 and encourages the Legislature to enact the measure and for the Governor to sign the bill."

Recommendation 5: The Legislature should adopt legislation to give LAFCO members fixed terms, to ease political pressures in controversial votes and enhance the independence of LAFCOs.

"The California Association of Local Agency Formation Commissions (CALAFCO) testified on August 25, 2016, that individual LAFCO members are expected to exercise their independent judgment on LAFCO issues rather than simply represent the interests of their appointing authority. But this is easier said than done when representatives serve on an at-will basis. The CALAFCO hearing witness said unpopular votes have resulted in LAFCO board members being removed from their positions. Fixed terms would allow voting members to more freely exercise the appropriate independence in decision-making."

Recommendation 7: The Legislature should require every special district to have a published policy for reserve funds, including the size and purpose of reserves and how they are invested.

"The Commission heard a great deal about the need for adequate reserves, particularly from special districts with large infrastructure investments. The Commission also heard concerns that reserves were too large. To better articulate the need for and the size of reserves, special districts should adopt policies for reserve funds and make these policies easily available to the public."

Recommendation 8: The State Controller's Office should standardize definitions of special district financial reserves for state reporting purposes.

"Presently, it is difficult to assess actual reserve levels held by districts that define their numbers one way and the State Controller's Office which defines them another way. The State Controller's Office is working to standardize numbers following a year-long consultation with a task force of cities, counties and special

districts. To improve transparency on reserves, a subject that still eludes effective public scrutiny, they should push this project to the finish line as a high priority.

Improving Transparency and Public Involvement

Because there are thousands of special districts in California, performing tasks as varied as managing water supply to managing rural cemeteries, the public has little practical ability to ascertain the functionality of special districts, including the scope of services these local districts provide, their funding sources, the use of such funds and their governance structure. Although publicly elected boards manage independent special districts, constituents lack adequate resources to identify their local districts much less the board members who collect and spend their money. The Commission saw a number of opportunities for special districts to do a better job communicating with the public, primarily through improvements to district websites and more clearly articulating financing policies, including adopting and making publicly available fund reserve policies. Existing law requires special districts with a website to post meeting agendas and to post or provide links to compensation reports and financial transaction reports that are required to be submitted to the State Controller's Office. The State Controller's Office – despite having a software platform from the late 1990s – attempts to make all the information it receives as accessible as possible. Many special districts already utilize their websites to effectively communicate with their constituents and voluntarily follow the nonprofit Special District Leadership Foundation's transparency guidelines and receive the foundation's District Transparency Certificate of Excellence. But often, these districts are the exception and not the rule. The Commission makes three recommendations to improve special district transparency and to better engage the public served by the districts."

Recommendation 9: The Legislature should require that every special district have a website.

Key components should include:

- **Name, location, contact information**
- **Services provided**
- **Governance structure of the district, including election information and the process for constituents to run for board positions**
- **Compensation details – total staff compensation, including salary, pensions and benefits, or a link to this information on the State Controller's website**
- **Budget (including annual revenues and the sources of such revenues, including without limitation, fees, property taxes and other assessments, bond debt, expenditures and reserve amounts)**
- **Reserve fund policy**
- **Geographic area served**
- **Most recent Municipal Service Review**
- **Most recent annual financial report provided to the State Controller's Office, or a link to this information on the State Controller's website**
- **Link to the Local Agency Formation Commission and any state agency providing oversight**

“Exemptions should be considered for districts that fall under a determined size based on revenue and/or number of employees. For districts in geographic locations without reliable Internet access, this same information should be available at the local library or other public building open and accessible to the public, until reliable Internet access becomes available statewide. Building on this recommendation, every LAFCO should have a website that includes a list and links to all of the public agencies within each county service area and a copy of all of the most current Municipal Service Reviews. Many LAFCOs currently provide this information and some go further by providing data on revenues from property taxes and user fees, debt service and fund balance changes for all the local governments within the service area. At a minimum, a link to each agency would enable the public to better understand the local oversight authority of LAFCOs and who to contact when a problem arises.”

Recommendation 15: The Legislature should place a requirement that special districts with infrastructure subject to the effects of climate change should formally consider long-term needs for adaptation in capital infrastructure plans, master plans and other relevant documents.

“Most special districts, especially the legions of small districts throughout California, have their hands full meeting their daily responsibilities. Many have few resources and little staff time to consider long-range issues, particularly those with the heavy uncertainty of climate change adaptation. Making climate change a consideration in developing capital infrastructure plans and other relevant planning documents would formally and legally elevate issues of adaptation and mitigation, especially for districts where immediate concerns make it too easy to disregard the future.”

Recommendation 16: The California Special Districts Association (CSDA), in conjunction with its member districts, should document and share climate adaptation experiences with the Integrated Climate Adaptation and Resilience Program’s adaptation information clearinghouse being established within the Governor’s Office of Planning and Research (OPR). Similarly, CSDA and member districts should step up engagement in the state’s current Fourth Assessment of climate threats, a state research project designed to support the implementation of local adaptation activities. The CSDA also should promote climate adaptation information sharing among its members to help districts with fewer resources plan for climate impacts and take actions.

“The OPR clearinghouse promises to be the definitive source of climate adaptation planning information for local governments throughout California. At the Commission’s October 27, 2016, hearing, an OPR representative invited more district participation in state climate adaptation processes. It is critical that special districts and their associations assume a larger participatory role – both within state government and among their memberships – to expand the knowledge base for local governments statewide.”

Recommendation 17: The state should conduct a study – by either a university or an appropriate state department – to assess the effect of

requiring real estate transactions to trigger an inspection of sewer lines on the property and require repairs if broken.

“The responsibility to safeguard California and adequately adapt to climate change impacts falls on every resident of California. This begins at home with maintenance and upgrading of aging sewer laterals. Requiring inspections and repairs during individual property transactions is an optimum way to slowly rebuild a region’s collective wastewater infrastructure in the face of climate change. At the community level, repairs will help prevent excess stormwater during major climate events from overwhelming wastewater systems and triggering sewage spills into public waterways. The Oakland-based East Bay Municipal Utility District has instituted an ordinance that requires property owners to have their private sewer laterals inspected if they buy or sell a property, build or remodel or increase the size of their water meter. If the lateral is found to be leaking or damaged, it must be repaired or replaced. The state should consider implementing this policy statewide.”

Recommendation 18: State regulatory agencies should explore the beginnings of a new regulatory framework that incorporates adaptable baselines when defining a status quo as climate impacts mount.

“With climate change what has happened historically will often be of little help in guiding regulatory actions. State regulations designed to preserve geographical or natural conditions that are no longer possible or no longer exist already are creating problems for special districts. Wastewater agencies, for example, face conflicting regulations as they divert more wastewater flows to water recycling for human needs and less to streams historically home to wildlife that may or may not continue to live there as the climate changes. While it is not easy for regulators to work with moving targets or baselines, climate change is an entirely new kind of status quo that requires an entirely new approach to regulation.”

Recommendation 19: The California Special Districts Association, and special districts, as some of the closest to-the-ground local governments in California, should step up public engagement on climate adaptation, and inform and support people and businesses to take actions that increase their individual and community-wide defenses.

“Special districts are uniquely suited to communicate with and help prepare millions of Californians for the impacts of climate change. Nearly all have public affairs representatives increasingly skilled at reaching residents through newsletters, social media and public forums. District staff grapple constantly with new ways to increase their visibility. Many will find they can build powerful new levels of public trust by helping to prepare their communities for the uncertainty ahead.”

Recommendation 20: The California Special Districts Association and special districts should lead efforts to seek and form regional partnerships to maximize climate adaptation resources and benefits.

“Water, wastewater and flood control districts are already bringing numerous agencies to the table to pool money, brainpower and resources for big regional projects. The East Bay Municipal Utility District has arrangements with many Bay Area and Central Valley water agencies to identify and steer water to where it is most needed for routine demands and emergencies alike. The Metropolitan Water District and Sanitation Districts of Los Angeles County also increasingly pool their joint resources to steer more recycled water to groundwater recharge basins for dry years. Likewise, the Santa Clara Valley Water district and other state and federal agencies are collectively planning and funding 18 miles of levees to protect the region from sea level rise. These partnerships among special districts and other government agencies clearly hint at what will be increasingly necessary as climate impacts begin to mount.”

To review this report in it's entirety, go to the Commission's website www.lhc.ca.gov.



LAFCO goes dark in September, the next meeting will be held on Wednesday, October 11, 2017 @ 8:00A.

Survey Says Homeless Issue Dominates in Orange County

In late June, a survey of 300 voters in Orange County indicated that the homeless issue is the number one concern of county residents. Based on anecdotal evidence the numbers are probably higher now.

When asked “what would you say is the most important issue facing Orange County?” Here are the responses:

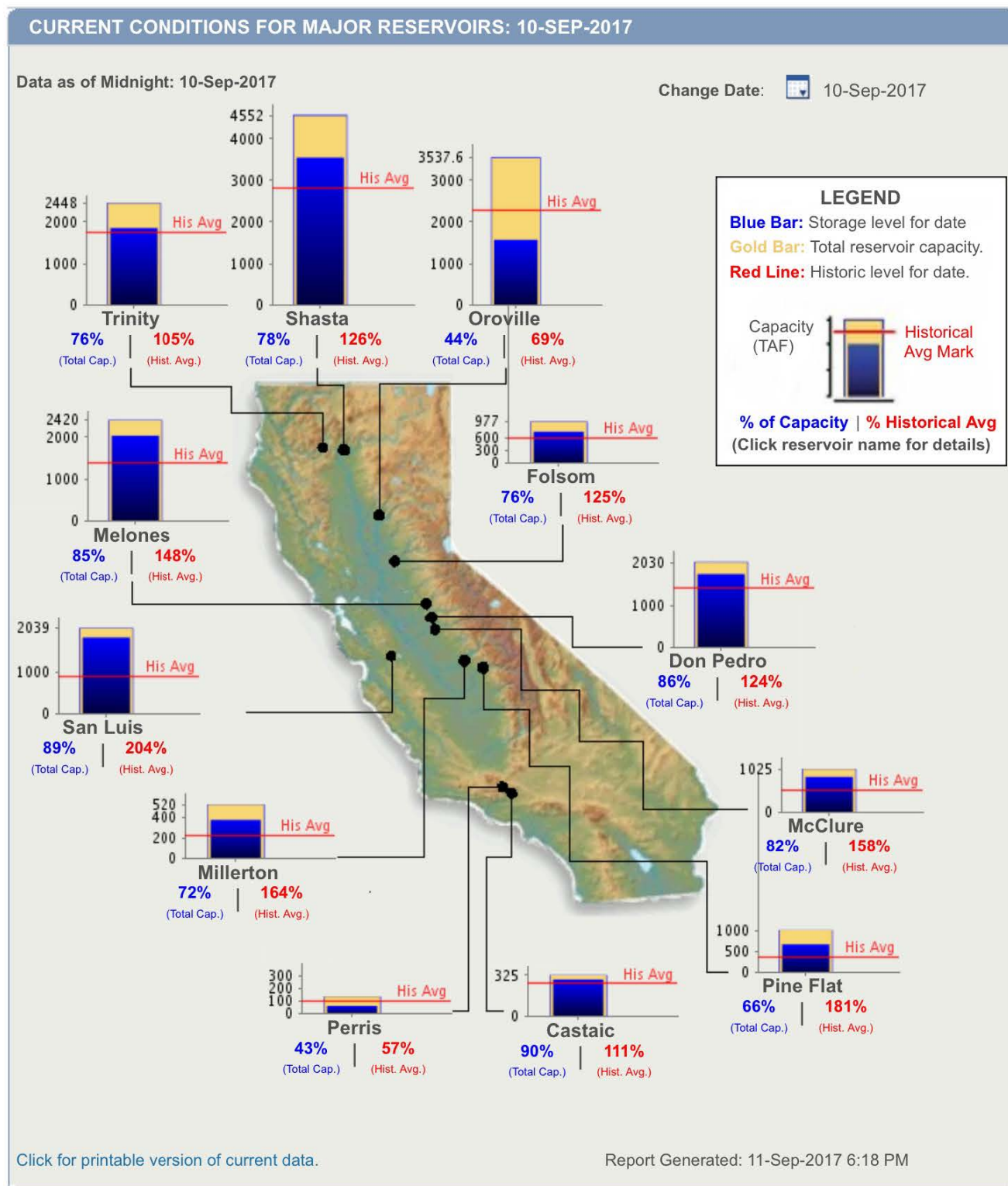
Affordable Housing/Living	18.7%
Homelessness/Poverty	18.7%
Transportation /Traffic/Roads	14.7%
Jobs/Economy	5.3%
Over Population/Controlling Growth/Development	5.0%
Public Safety/Drugs	5.0%
Environmental	4.0%
Government	3.3%
Health Care	3.0%
Moral issues	3.0%
Water/Drought	2.3%
Immigration/Illegal Immigration	1.7%
Education/Schools/Higher Education	1.3%
Don't know/Refused	11.0%
Other	2.3%
No issues	0.7%

Conducted by Probolsky Research from June 10-12, a survey sample this size yields a margin of error +/- 5.8%.

Enjoying Last Year's Deluge

The September 10th major reservoir levels shows our state is still well above the historical average for this date. Only 2 of 12 reservoirs, Oroville and Perris, are below their historic average.

California Data Exchange Center - Reservoirs



ACKERMAN CONSULTING

Legal and Regulatory

September 18, 2017

1. **CEQA Reform??:** MWDOC had been working with the Public Works Coalition for a number of years trying to achieve some degree of CEQA reform or streamlining specifically for public works projects such as water storage, infrastructure and related projects. Thus far, we have had little success. At the same time, various sports stadiums have been granted CEQA exemptions and/or streamlining procedures. This legislative session is no different. SB 789 was introduced to fast track Olympic Games projects and the LA Clippers new arena. SB 699 was introduced to fast track two large developments projects for Facebook and NY based Millennium Partners. Based on past history, one could expect both to fly through the Legislature and be signed by the Governor. However, a funny thing happened on the way to whatever the rest of that saying is. Mayor Garcetti declared he did not need any help for the Olympics and the owners of two competing venues, AEG for Staples and Madison Square Garden for the Forum, opposed the bill because they did not want any more competition. SB 789 failed in an Assembly committee. The fate of SB 699 is still uncertain. It thus appears that use of the time honored special project exemption may be in doubt. Even the LA Times recently editorialized that CEQA still needs fixing. Yes, it does.
2. **Nestle Water-Round Two:** Nestle has a permit to bottle water in San Bernardino. There has been a legal battle for a number of years which was recently decided in Nestle's favor. That is being appealed by various environmental groups. A second action has just been filed based on the failure of the US Food and Drug Administration to furnish requested documents to these same environmental groups. They have filed numerous FOIA (Freedom of Information Act) requests asking for thousands of files. The Administration is working on it but has not timely complied with all requests due to the large volume of material asked for. Nestle is also being sued in a separate action for alleged mislabeling of product (Poland Spring) and not getting the water from a spring but from groundwater. The name allegation is fuzzy and the FDA definition of spring water allows it to come from underground sources. This suit has far reaching ramifications since bottled water sales have now surpassed carbonated sodas in sales for the first time in history. Bottled water sales grew last year by 10% and surpassed \$16 billion in sales.
3. **New Flood Protection Strategy:** The old method of controlling floods for the central valley was to build higher levees. That is changing. The success of the Yolo Bypass near Sacramento and improved science has changed the States flood control thinking. The current plan for heavy rain and flood incidents is to spread the water through use of flood plains, wetlands and bypasses. Slowing the water down allows more time for it to sink in and replenish underground aquifers. This strategy is beneficial to farmers, migratory birds, fish and people, a true win-win situation. The total cost for these projects in the Central Valley from Mount Shasta to Bakersfield is about \$20 billion. The State has advanced \$89 million to begin the planning. At this point all stakeholders are on board and ready to proceed.
4. **River Contamination:** The lower American River has been experiencing unsafe levels of E.coli. This river is used considerably for recreation and recently 17 of 25 test sites have recorded unsafe levels of this

pollutant. The cause is mostly likely coming from homeless settlements along the river as well as animals. The Central Valley Regional Water Quality Control Board is considering adding this bacteria to its list of pollutants which will trigger EPA ramifications. The homeless issue is becoming more severe around the river. It is also becoming a major political problem for the city and county of Sacramento. Sound familiar?? Check out our own Santa Ana River near Anaheim Stadium. That area is a primary percolation site for our groundwater aquifer. Hopefully our situation does not end up like the American River.

5. **Sacramento Limits Lawn Watering:** The City of Sacramento made permanent its twice a week lawn watering restrictions. Even though the drought restrictions have been lifted, the City wanted to make this particular conservation measure permanent. They are moving away from a fine mentality to education and assistance. They also exempt residents to have smart controllers or when temperatures maintain 100 degrees or more for two or more days. They also relaxed rules for car washing.
6. **Lead in School Water:** The incidence of unhealthy level of lead in school water systems is on the increase in California. Primarily due to aging pipes, both metal and plastic, more schools are being identified as having major problems. It is a state wide issue with bad water being discovered in schools from LA to Humboldt, San Diego, Alameda and even Orange County. Most are found in older schools and many in low income areas. The State has offered free testing to all schools but recent legislation may require all schools to test. 83 schools in OC have requested testing. The solution is some schools, such as LA Unified, has been daily flushing of water lines. This did not go over very well during the height of the drought, but safety of the children won out.
7. **Billionaire Steyer Water Advocate:** Billionaire and environmentalist, Tom Steyer, has been promoting safe drinking water particularly in the San Joaquin Valley. He has been raising awareness and debate regarding the contaminated water issues, accessibility and affordability around the State and focusing on the Valley and agricultural areas. He is arguing water as a human right and social justice issue and.....he may run for Governor.
8. **Los Vaqueros Gets Added Support:** Contra Costa Water District is planning to substantially increase the capacity of Los Vaqueros Reservoir at a cost of \$900 million. They recently picked up added support from the Nature Conservancy, Audubon, Planning and Conservation League, California Waterfowl, Defenders of Wildlife and Point Blue Conservation Science. These major environmental groups are all supporting the project because of the added protections to wetlands, fish and other wildlife that would be added. This project is another win-win for agriculture, fish and people.

MWDOC

PAL Committee

Prepared by Best Best & Krieger

9/18/2017

A. Priority Support/Oppose

AB 574

(Quirk D) Potable reuse.

Current Text: Amended: 9/1/2017 [Text](#)

Current Analysis: 09/06/2017 [Assembly Floor Analysis \(text 9/1/2017\)](#)

Last Amend: 9/1/2017

Status: 9/11/2017-Senate amendments concurred in. To Engrossing and Enrolling.

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 1668

(Friedman D) Water management planning.

Current Text: Amended: 9/8/2017 [Text](#)

Current Analysis: 08/30/2017 [Senate Natural Resources And Water \(text 8/29/2017\)](#)

Last Amend: 9/8/2017

Status: 9/8/2017-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on APPR.

Is Urgency: N

Summary: Current law requires the state to achieve a 20% reduction in urban per capita water use in California by December 31, 2020. Current law requires each urban retail water supplier to develop urban water use targets and an interim urban water use target, as specified. This bill would require the State Water Resources Control Board, in coordination with the Department of Water Resources, to adopt long-term standards for the efficient use of water, as provided, and performance measures for commercial, industrial, and institutional water use on or before June 30, 2021.

Laws: An act to amend Sections 531.10, 1120, 10608.12, 10608.20, 10608.48, 10801, 10802, 10814, 10817, 10820, 10825, 10826, 10843, 10845, and 10910 of, to add Sections 1846.5 and 10826.2 to, and to add Chapter 9 (commencing with Section 10609) and Chapter 10 (commencing with Section 10609.40) to Part 2.55 of Division 6 of, the Water Code, relating to water.

Position	Priority
Support	A. Priority Support/Oppose

SB 606

(Skinner D) Water management planning.

Current Text: Amended: 9/6/2017 [Text](#)

Current Analysis: 09/08/2017 [Assembly Appropriations \(text 9/6/2017\)](#)

Last Amend: 9/6/2017

Status: 9/11/2017-Re-referred to Coms. on APPR. and RLS. pursuant to Assembly Rule 77.2. From committee: Do pass and re-refer to Com. on RLS. (Ayes 11. Noes 5.) (September 11). Re-referred to Com. on RLS.

Is Urgency: N

Summary: Current law requires the state to achieve a 20% reduction in urban per capita water use in California by December 31, 2020. Current law requires each urban retail water supplier to develop urban water use targets and an interim urban water use target, as specified. The bill would require an urban retail water supplier to calculate an urban water use objective no later than July 1, 2022, and by July 1 every year thereafter, and its actual urban water use by those same dates.

Laws: An act to amend Sections 350, 377, 1058.5, 1120, 10608.12, 10608.20, 10610.2, 10610.4, 10620, 10621, 10630, 10631, 10631.2, 10635, 10640, 10641, 10642, 10644, 10645, 10650, 10651, 10653, 10654, and 10656 of, to amend, renumber, and add Section 10612 of, to add Sections 10608.35, 10609.20, 10609.22, 10609.24, 10609.26, 10609.28, 10609.30, 10609.32, 10609.34, 10609.36, 10617.5, 10618, 10630.5, 10632.1, 10632.2, 10632.3, and 10657 to, to repeal Section 10631.7 of, and to repeal and add Section 10632 of, the Water Code, relating to water.

Position	Priority
Support	A. Priority
	Support/Oppose

B. Watch

[AB 196](#)

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

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

Current Analysis: 07/17/2017 [Senate Appropriations \(text 3/6/2017\)](#)

Last Amend: 3/6/2017

Status: 9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 7/17/2017)(May be acted upon Jan 2018)

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: 09/03/2017 [Senate Floor Analyses \(text 3/27/2017\)](#)

Last Amend: 3/27/2017

Status: 9/5/2017-Read second time. Ordered to third reading.

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.

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

[AB 313](#)[\(Gray D\)](#) *Water.**Current Text: Amended: 7/18/2017* [Text](#)*Current Analysis: 07/10/2017* [Senate Judiciary \(text 7/3/2017\)](#)*Last Amend: 7/18/2017**Status: 9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. on 7/11/2017)(May be acted upon Jan 2018)**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.*

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

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.*

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

[AB 474](#)[\(Garcia, Eduardo D\)](#) *Hazardous waste: spent brine solutions.**Current Text: Amended: 8/21/2017* [Text](#)*Current Analysis: 09/06/2017* [Assembly Floor Analysis \(text 8/21/2017\)](#)*Last Amend: 8/21/2017**Status: 9/11/2017-Senate amendments concurred in. To Engrossing and Enrolling.**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.*

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

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: 9/1/2017-Failed Deadline pursuant to Rule 61(a)(12). (Last location was APPR. SUSPENSE FILE on 7/10/2017)(May be acted upon Jan 2018)

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

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: 9/10/2017 [Text](#)Current Analysis: 09/11/2017 [Assembly Appropriations \(text 9/10/2017\)](#)

Last Amend: 9/10/2017

Status: 9/11/2017-Joint Rule 62(a) suspended. September 11 hearing postponed by committee.

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 \$4,000,000,000 pursuant to the State General Obligation Bond Law to finance a drought, water, parks, climate, coastal protection, and outdoor access for all program. The bill, upon voter approval, would reallocate \$100,000,000 of the unissued bonds authorized for the purposes of Propositions 1, 40, and 84 to finance the purposes of a drought, water, parks, climate, coastal protection, and outdoor access for all program.

Laws: An act to add Sections 5096.611 and 75089.5 to, and to add Division 45 (commencing with Section 80000) to, the Public Resources Code, and to add Section 79772.5 to the Water 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

[SB 80](#)

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

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

Current Analysis: 09/08/2017 [Senate Floor Analyses \(text 6/21/2017\)](#)

Last Amend: 6/21/2017

Status: 9/11/2017-Assembly amendments concurred in. (Ayes 29. Noes 7.) Ordered to engrossing and enrolling.

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.

Position	Priority
Watch	B. Watch

[SB 224](#)

([Jackson D](#)) Personal rights: sexual harassment.

Current Text: Amended: 8/21/2017 [Text](#)

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

Last Amend: 8/21/2017

Status: 8/21/2017-From committee with author's amendments. Read second time and amended. Re-referred to Com. on APPR. Withdrawn from committee. Re-referred to Com. on RLS.

Is Urgency: N

Summary: Current law establishes liability for sexual harassment when the plaintiff proves specified elements, including, among other things, that there is a business, service, or professional relationship between the plaintiff and defendant. Current law states that a relationship may exist between a plaintiff and certain persons, including an attorney, holder of a master's degree in social work, real estate agent, and real estate appraiser. This bill would include an investor among those listed persons who may be liable to a plaintiff for sexual harassment.

Laws: An act to amend Section 51.9 of the Civil Code, relating to personal rights.

Position	Priority
	B. Watch

[SB 231](#)

([Hertzberg D](#)) Local government: fees and charges.

Current Text: Enrolled: 9/1/2017 [Text](#)

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

Last Amend: 4/19/2017

Status: 9/6/2017-Enrolled and presented to the Governor at 3 p.m.

Is Urgency: N

Summary: Articles XIII C and XIII D 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 XIII C and XIII D 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: 9/1/2017 [Text](#)

Current Analysis: 09/11/2017 [Senate Floor Analyses \(text 9/1/2017\)](#)

Last Amend: 9/1/2017

Status: 9/11/2017-Read third time. Passed. Ordered to the Senate. In Senate. Concurrence in Assembly amendments pending.

Is Urgency: N

Summary: Would, until January 30, 2020, would require a city or county overlying a critically overdrafted basin, as defined, to request estimates of certain information from an applicant for a new well located within a critically overdrafted basin as part of an application for a well permit. The bill would require a city or county that receives an application for a well permit in a critically overdrafted basin to make the information about the new well included in the application for a well permit available to both the public and to groundwater sustainability agencies and easily accessible. The bill would authorize a city or county to issue a new well permit within a critically overdrafted basin when these requirements have been met.

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

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

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.

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

Total Measures: 17

Total Tracking Forms: 17

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 574 Quirk (D) Sponsor: WaterReuse California and California Coastkeeper Alliance	Amended 7/12/17 Assembly Floor for Concurrence	Potable Reuse: Promotes water recycling by categorizing potable reuse alternatives and by establishing a clear regulatory pathway and time frame for raw water augmentation.	SUPPORT (3/14/17)	By advancing regulatory criteria that are protective of public health, AB 574 may accelerate the deployment of recycled water projects throughout California.
AB 732 Frazier (D) Sponsor: Author	Amended 5/30/17 Senate Appropriations Committee Two-Year Bill	Delta Levee Maintenance: Delta levee maintenance program was established for reimbursement of costs incurred in connection with maintenance or improvement of projects or non-project levees in the Sacramento-San Joaquin Delta. AB 732 extends the current 75% state reimbursement rate for Delta levee maintenance costs in excess of \$1,000 per mile, until July 1, 2020.	WATCH based upon prior position on SB 554 (Wolk) from 2016	Metropolitan dropped its opposition to AB 732 after the Delta Stewardship Council directed staff to enter into a Memorandum of Understanding with the Central Valley Flood Protection Board (CVFPB) and DWR to develop and recommend a new set of guidelines, including a methodology and local agency requirements for evaluating a local agency's ability to pay for cost of levee maintenance or improvements under the Delta Levee Subventions Program.

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 5 DeLeon (D) Sponsor: Author	Amended 9/5/17 Assembly Appropriations Committee Date of Hearing: 9/11/17	California Drought, Water, Parks, Climate, Coastal Protection and Outdoor Access for All Act of 2018: Enacts the Drought, Water, Parks, Climate, Coastal Protection and Outdoor Access for All Act of 2018, which places a general obligation bond of \$3.997 billion before voters at the June 5, 2018, statewide primary election.	SUPPORT AND SEEK AMENDMENTS based upon Board-adopted policy principles dated June 2003	Recognizes the need for additional state funding for water infrastructure at time when significant water investments are acutely necessary. Requested amendments include: state support for voluntary settlements with upstream water users, both for habitat improvement and flow enhancements; additional funding for development of local water supplies; increased funding for new water treatment systems, extensions of service or consolidations for non-compliant water systems located in disadvantaged communities; flood protection; and Salton Sea restoration, consistent with CNRA Salton Sea Management Plan.
SB 80 Wieckowski (D) Sponsor: Author	Amended 6/21/17 Senate Floor for Concurrence	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 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

**Metropolitan Water District of Southern California
State Legislation Matrix 9/11/2017**

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

ETWD Education Outreach September 26, 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 was only one water waste complaint for the month of August. A copy follows this report.

Messaging/Materials

- September/October bill message: "For your convenience, you can pay your water bill online and view your billing history 24 hours a day/7 days a week at <https://etwd.com/payment-options/>.
- ETWD is mailing a general construction alert to the Laguna Woods residents in the RWEPP phase II area this week to inform them of the upcoming project. Specific targeted construction notices will be distributed to residents as the project progresses. A draft copy of this alert follows this report.

RWEPP Phase II Commercial

- Staff is working with Laguna Woods Village Media Services to develop a Recycled Water Expansion Project commercial. The first commercial is estimated to begin airing November 1, 2017.

TV-6

- Director Goldman will be presenting on TV-6 on Friday, September 29th. Topics will include the Recycled Water Expansion Project Phase II update and the ETWD Demonstration Garden.

Demonstration Garden

- Staff is developing signage contents and working with a consultant on the demonstration garden interpretive signage.

Community Events

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

- ETWD will staff a booth at the University of California ANR Cooperative Extension and Irvine Water District's Urban Landscape and Garden Education Expo at the UC ANR South Coast Research and Extension Center located at 7601 Irvine Blvd on September 30, 2017 open from 9:00 a.m. to 2:00 p.m.

South County Disaster Expo – October 21, 2017

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

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

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

Laguna Woods Transportation Day – November 8, 2017

- ETWD will staff a booth at the Laguna Woods Transportation Day event on November 8, 2017 at Clubhouse 5 from 10:00 a.m. to 2:00 p.m.

MWDOC

At the MWDOC Public Affairs meeting, the Southern California Water Committee presented on their Water Fix Campaign called "Water Next" and asked for the water agencies support in sharing their campaign and social media posts. The Water Next fact sheet that SCWC created follows this report.



Customer Service Drought Log

August 2017

Complaint Date	Source	City	Drought Response Level	General Comments	Location Details	Office Comments	Office Actions	Field Comments	Field Actions	Violation Types	DRIType
8/28/17	Call	Laguna Woods		Per voice mail there is a broken sprinkler in the irrigation at the corner of San Remo and Santa Victoria. No other information was left on the voice message. li	Irrigation Area		Assigned W.O.	Verbally notified Ryan Handley at the City of Laguna Hills. Complete 9-5-17 RHazzard	Talked to Resident	Broken sprinkler or pipe	Water Waste Complaint

1 Water Waste Complaint
0 Educational Door Hangers



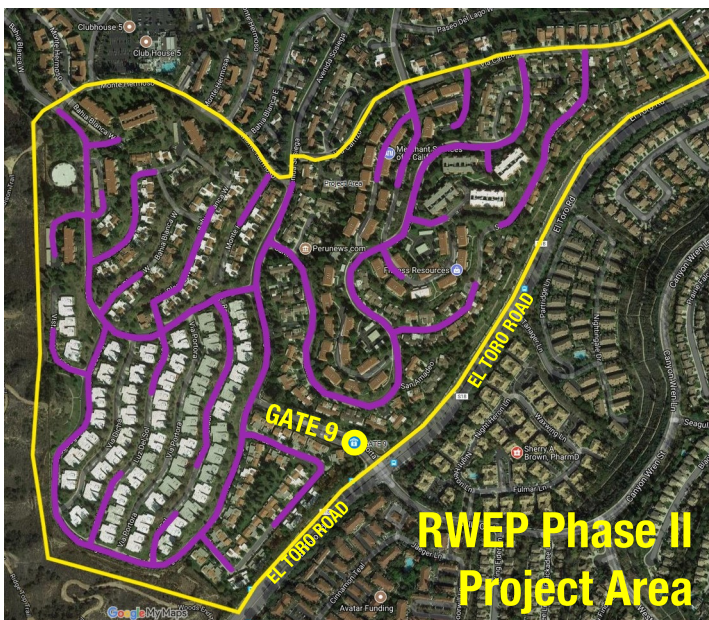
Recycled Water Expansion Project

Phase II

CONSTRUCTION PROJECT ALERT

El Toro Water District (ETWD) has begun Phase II of its Recycled Water Expansion Project, and work will soon begin in your neighborhood. As pipeline installation moves onto your street, you will be notified.

It is anticipated that potholing will begin in early October followed by pipeline construction which will continue until the end of June 2018.



No Impact to Water Service

This project involves enhancing the recycled water distribution system for irrigation and is not connected to the drinking water that you receive in your home. There are no plans to shutoff water service due to pipeline construction.

What to Expect During Construction

Construction work begins with potholing, followed by pipeline installation. Potholing is a small targeted excavation to identify the location of existing utilities that might be impacted during the recycled water pipeline installation.

- ✓ Access to driveways will remain available. Prior notice will be provided if access will be restricted.
- ✓ Street lanes may be restricted
- ✓ Neighborhood streets will remain open during construction. Prior notice will be provided for any necessary street closures.
- ✓ Increased truck and construction traffic
- ✓ Noise, dust and vibrations
- ✓ Signs will be posted if any temporary parking restrictions are necessary.

ETWD's construction management team will closely monitor construction activities in an effort to minimize impacts to residents as much as possible.

Construction Hours

Construction hours are anticipated to be 8:00 a.m. to 4:30 p.m. Monday through Friday. Please keep in mind that inclement weather may necessitate schedule changes.

Keeping You Informed During the Project

ETWD has created a project website with detailed project information that can be accessed through the District's website www.etwd.com. The website includes an interactive, color-coded map to indicate anticipated dates of construction. Project updates will be posted regularly. Thank you for your patience as ETWD enhances the recycled water distribution system in the area.

Project information is also available by calling **ETWD's Dedicated Project Helpline at (949) 837-0880**.



Funding for this project has been provided in full or in part through an agreement with the State Water Resources Control Board. California's Clean Water State Revolving Fund is capitalized through a variety of funding sources, including grants from the United State Environmental Protection Agency and state bond proceeds. The contents of this document do not necessarily reflect the views and policies of the foregoing, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

water next

California WaterFix is THE best long-term solution to ensure our way of life here in Southern California.

Life

depends on water



Water sustains our homes and families



Water propels businesses and jobs that fuel Southern California.

We need an

Upgrade



Our aging water delivery system is vulnerable and in desperate need of improvement.



We are fulfilling the California promise by investing in and building modern projects that use state-of-the-art technology to deliver our water.

Flexibility for the Future



We are losing the opportunity to capture water because of our outdated water system.



Modernized infrastructure will allow us to capture more water during big storms and store it in reservoirs for drier times.

Fresh

from the mountains



Sierra Nevada snowmelt provides one of the cleanest, freshest sources of water for our homes and families.



Southern California relies on snowmelt for **30%** of its water.

California WaterFix is essential to ensure our continued vitality and quality of life. WaterFix will proactively address dangerously outdated and inefficient water infrastructure to meet today's needs and climate realities.

Water security
backed by experts.

Learn how it works →

What's next for SoCal's water?

California WaterFix will modernize our water system, securing fresh water for millions in Southern California.

From the Snowpack to Your Tap

Pure snowmelt flows down from the Sierra Nevada mountains, but hits a choke point in the Sacramento-San Joaquin River Delta.

WaterFix will alleviate the bottleneck with two new tunnels to move water under, rather than through, the Delta choke point.



1

2

3

1

Tunnels take in fresh water from three intakes on the Sacramento River

2

Water moves through tunnels to existing pumping plants south of the Delta

3

Fresh water is delivered to millions of Californians



WaterFix is backed by more than a decade of extensive review by water quality experts, water system engineers, environmental scientists and university researchers.

Why WaterFix?



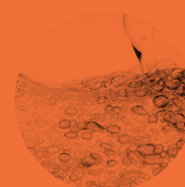
Modern upgrades
to improve our water delivery system



Reliable water supply
for Southern California



Improved flexibility
for future droughts



High-quality water
straight from the source



www.socalwater.org

Modernizing and re-routing our water delivery system is the best solution to ensure reliable, high-quality water for Southern California.



**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
September 26, 2017**

REBATE PROGRAMS

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

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

1) Residential Rebate Program:

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

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

2) Commercial Plumbing/Irrigation Devices Rebate Program:

Device	MET Rebate	MWDOC Grant	ETWD Rebate	Total Rebate (up to)
Premium High Efficiency Toilet (4 liter)	\$40			\$40
Multi-family Premium High Efficiency Toilet (4 liter)	\$40			\$40
Zero Water/Ultra Low Water Urinal	\$200			\$200
Plumbing Flow Control Valve (min. 10)	\$5			\$5
Smart Irrigation Timer (weather based or central computer)	\$35/station			\$35/station
Rotating Sprinkler Nozzles (minimum quantity of 15)	\$2		\$1	\$3
Rotating Nozzles – Large Rotary	\$13			\$13
Turf Removal (up to 25,000 sq ft)*		\$1 sq. ft.		\$1 sq. ft.
Soil Moisture Sensor System	\$35/station			\$35/station

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

WATER USE EFFICIENCY PLAN UPDATE (WATER CONSERVATION PLAN)

The District Water Budget-Based Tiered Conservation Rate Structure (WBBTCRS) pricing structure is the primary plan that gives customers the incentive needed to be efficient. The Plan efforts initially will concentrate on those customers continually in the Inefficient and Excessive Tiers (Tiers 3 and 4). [As of August 2017 year-to-date sales, residential accounted for 57% of the overall Tier 3 usage and dedicated irrigation accounted for 51% of Tier 4 usage.](#)

TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

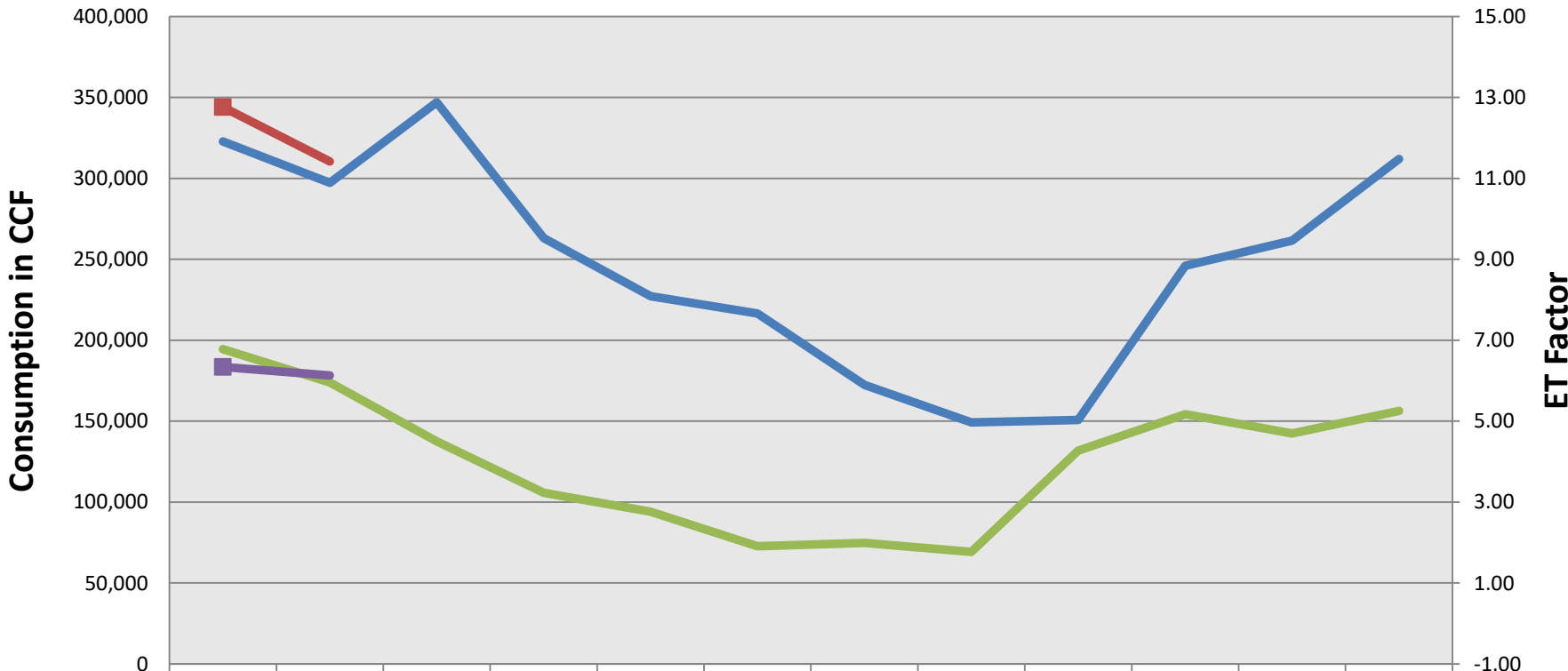
Included in this month's Conservation Report is a chart comparing the current fiscal year 2017/18 consumption and ET factor to the fiscal 2016/17 consumption and ET factor. [The ET factor increased 0.97% from August 2016 when compared to August 2017. There was a 4% increase in consumption reflected in August 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: September 20, 2017**

Total Consumption Comparison

[illegible]

El Toro Water District Water Use Efficiency Program Savings

Program	Program Start Year	Program/Total Years	Avoided Water Use Acre Feet/Annual	Avoided Water Use Million Gallons/Annual	Avoided Water Costs Based on MWDOC Rate (\$2.16 CCF) Annual
High Efficiency Toilet (HET)	2005	12	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	100.3	32.7	\$94,383
Turf Removal Program	2010	7	46.3	15.1	\$43,601
Computer Controlled Irrigation System--Gate 11--Ended 2006	2001	6	8.9	2.9	\$8,357
***Ultra Low Flush Toilets (ULFT)--Ended 2009	1992	16	193.2	58.0	\$167,487
Totals			859.2	280.0	\$808,594

* 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 280 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	July-17	449	7.41	449	7.42	20,934	7,746	38,732
Rotating Nozzles Rebate Program	2007	July-17	121	0.48	121	0.48	562,939	2,758	12,271
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	July-17	0	0.00	0	0.00	25	25	2,282
Turf Removal Program ^[3]	2010	July-17	37,620	0.44	37,620	5	20,905,601	2,927	10,190
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				922	71,104	3,979	23,092,157	49,077	397,392

⁽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 11/12		FY 12/13		FY 13/14		FY 14/15		FY 15/16		FY16/17		FY17/18		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm.	
Brea	8	0	9	8	4	0	43	6	20	4	31	4	7	0	138	80	461.50
Buena Park	4	19	3	0	0	0	4	10	7	4	10	7	4	1	35	42	117.79
East Orange CWD RZ	5	0	2	0	0	0	2	0	1	0	11	1	2	0	27	1	11.15
El Toro WD	26	2	7	2	11	0	8	9	9	17	33	8	6	0	121	355	2,231.96
Fountain Valley	8	2	3	2	4	0	7	10	13	1	33	12	5	0	96	40	147.30
Garden Grove	7	0	5	2	9	0	10	14	13	11	28	0	9	0	110	38	142.54
Golden State WC	13	3	9	49	9	25	39	12	35	16	56	37	17	0	242	192	672.02
Huntington Beach	15	4	18	33	20	35	19	2	42	12	88	94	18	0	290	268	867.83
Irvine Ranch WD	267	71	414	135	71	59	67	310	239	207	344	420	67	20	1,836	2,306	9,694.03
La Habra	3	0	4	7	2	0	4	7	3	1	12	7	3	0	39	44	171.76
La Palma	1	0	1	0	2	0	2	0	3	2	1	0	0	0	10	2	4.17
Laguna Beach CWD	109	2	76	2	71	0	86	0	86	1	27	0	2	0	499	20	198.55
Mesa Water	21	0	10	2	15	2	17	28	36	12	149	41	5	0	323	154	614.51
Moulton Niguel WD	179	31	51	74	40	45	46	95	163	100	236	129	60	0	974	801	2,993.18
Newport Beach	275	12	242	26	168	75	11	9	28	43	30	12	5	0	1,043	409	2,291.98
Orange	25	0	20	24	13	9	18	31	51	13	69	10	15	12	300	177	803.10
San Juan Capistrano	103	2	14	18	6	11	6	19	20	8	22	8	4	0	226	125	547.88
San Clemente	212	17	26	7	28	2	28	24	26	3	37	13	4	0	1,055	374	2,355.06
Santa Margarita WD	262	7	53	171	64	93	53	321	189	136	326	221	56	76	1,210	1,448	4,640.61
Santiago CWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Seal Beach	0	3	1	0	1	36	1	12	2	2,446	2	4	3	0	10	2,502	3,435.01
Serrano WD	3	0	1	0	0	0	4	0	11	2	4	0	0	0	38	2	10.86
South Coast WD	78	10	13	16	8	4	104	73	9	11	7	0	1	0	279	212	992.05
Trabuco Canyon WD	12	0	6	0	2	0	6	1	16	50	13	3	3	0	106	157	839.81
Tustin	11	0	8	4	9	1	18	14	33	8	33	23	9	0	152	80	278.60
Westminster	2	0	1	1	2	0	13	17	7	1	17	12	5	0	70	44	164.35
Yorba Linda	22	0	20	0	12	5	32	2	61	27	72	71	14	0	352	183	687.59
MWDOC Totals	1,671	185	1,017	583	571	402	648	1,026	1,123	3,136	1,691	1,137	324	109	9,581	10,056	35,375.21

Anaheim	23	60	19	10	9	26	7	52	30	34	87	10	8	0	252	457	2,287.20
Fullerton	22	51	9	29	8	0	40	26	32	12	53	7	8	0	207	199	790.40
Santa Ana	6	5	8	19	7	8	9	27	22	26	15	3	0	0	82	100	278.97
Non-MWDOC Totals	51	116	36	58	24	34	56	105	84	72	155	20	16	0	541	756	3,356.58
Orange County Totals	1,722	301	1,053	641	595	436	704	1,131	1,207	3,208	1,846	1,157	340	109	10,122	10,812	38,732

ROTATING NOZZLES INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14			FY 14/15			FY 15/16			FY 16/17			FY 17/18			Total Program			Cumulative Water Savings across all Fiscal Years
	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.	
Brea	84	0	0	157	45	0	74	2,484	0	0	0	0	0	0	0	572	2,749	0	44.79
Buena Park	53	0	0	248	0	0	45	98	0	0	0	0	0	0	0	509	173	2,535	455.45
East Orange	30	0	0	221	0	0	0	0	0	0	0	0	30	0	0	781	0	0	12.17
El Toro	56	3,288	0	1,741	28,714	0	730	4,457	0	55	242	0	0	0	0	3,369	46,222	890	1,002.90
Fountain Valley	0	0	0	107	0	0	222	0	0	0	0	0	0	0	0	710	0	0	11.68
Garden Grove	80	0	0	88	50	0	110	0	0	55	98	0	0	0	0	933	299	0	22.03
Golden State	192	0	0	583	1,741	0	1,088	0	0	207	6,008	0	0	0	0	3,448	11,316	0	208.30
Huntington Beach	120	0	0	798	1,419	0	1,345	2,836	0	149	3,362	0	0	0	0	3,797	12,526	2,681	839.27
Irvine Ranch	11,010	4,257	0	1,421	632	0	1,989	5,047	0	335	9,511	0	0	0	0	47,137	94,561	2,004	3,161.05
La Habra	15	0	0	109	338	0	300	0	0	0	0	0	0	0	0	481	1,236	900	224.70
La Palma	0	0	0	0	0	0	46	505	0	0	2,385	0	0	0	0	56	2,890	0	25.92
Laguna Beach	2,948	878	0	2,879	1,971	0	1,390	0	0	0	0	0	0	0	0	12,139	2,896	0	279.23
Mesa Water	361	0	0	229	0	0	166	0	0	113	0	0	0	0	0	2,030	385	343	126.72
Moulton Niguel	361	227	0	1,596	4,587	0	5,492	1,441	0	153	5,872	0	91	0	0	11,965	20,515	2,945	1,104.35
Newport Beach	19,349	6,835	0	460	3,857	0	348	670	0	0	0	0	0	0	0	46,678	21,413	0	1,405.66
Orange	245	120	0	304	668	0	631	91	0	0	0	0	0	0	0	3,170	1,072	0	78.55
San Clemente	415	5,074	0	326	0	0	426	0	0	0	0	0	0	0	0	9,989	7,538	1,343	443.92
San Juan Capistrano	370	0	0	495	737	0	310	593	0	75	123	0	0	0	0	5,495	8,852	0	270.69
Santa Margarita	389	0	0	1,207	1,513	0	1,820	837	0	15	0	0	0	0	0	16,165	6,921	611	477.37
Seal Beach	0	0	0	40	5,261	0	0	2,300	0	0	0	0	0	0	0	155	7,852	0	120.94
Serrano	105	0	0	377	0	0	695	0	0	0	0	0	0	0	0	3,405	0	0	21.02
South Coast	70	0	0	4,993	13,717	0	1,421	2,889	0	16	0	0	0	0	0	8,130	18,870	0	371.47
Trabuco Canyon	0	0	0	56	0	0	130	0	0	0	4,339	0	0	0	0	2,086	5,130	0	77.64
Tustin	329	0	0	408	0	0	317	386	0	65	-341	0	0	0	0	3,371	1,058	0	82.93
Westminster	0	0	0	54	0	0	73	0	0	105	0	0	0	0	0	464	0	0	54.07
Yorba Linda	40	990	0	921	0	0	1,715	0	0	213	0	0	0	0	0	6,081	4,359	500	121.25
MWDOC Totals	36,622	21,669	0	19,818	65,250	0	20,883	24,634	0	1,556	31,599	0	121	0	0	193,116	278,833	14,752	11,044.08
Anaheim	338	0	0	498	712	0	794	5,221	0	147	3,953	0	0	0	0	4,020	49,799	105	681.88
Fullerton	107	0	0	684	1,196	0	521	7,015	0	65	3,034	0	0	0	0	2,910	11,309	1,484	437.34
Santa Ana	86	2,533	0	310	0	0	0	1,420	0	0	1,106	0	0	0	0	859	5,752	0	107.56
Non-MWDOC Totals	531	2,533	0	1,492	1,908	0	1,315	13,656	0	212	8,093	0	0	0	0	7,789	66,860	1,589	1,226.78
Orange County Totals	37,153	24,202	0	21,310	67,158	0	22,198	38,290	0	1,768	39,692	0	121	0	0	200,905	345,693	16,341	12,270.86

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	FY 17/18	Overall Program Interventions	Annual Water Savings[1]
Brea	0	0	0	0	0	0	0	0	0	0	0
Buena Park	0	0	0	0	0	0	1	0	0	2	54
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	0	1	0
Golden State	0	0	0	0	0	0	0	0	0	1	3
Huntington Beach	0	0	0	2	0	1	2	0	0	5	132
Irvine Ranch	2	1	1	1	1	0	2	0	0	8	102
La Habra	0	0	0	0	0	0	1	0	0	1	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	0	1	21
Orange	0	0	0	0	0	0	1	2	0	4	88
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	0	1	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	0	24	401
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	0	1	11
OC Totals	2	1	1	3	1	2	10	2	0	25	412

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

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

TURF REMOVAL BY AGENCY^[1]
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14		FY 14/15		FY 15/16		FY 16/17		FY 17/18		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	
Brea	5,697	0	71,981	30,617	118,930	404,411	8,354	479	0	0	215,964	444,973	302.71
Buena Park	0	0	11,670	1,626	77,127	16,490	3,741	0	1,000	0	93,538	18,116	47.95
East Orange	1,964	0	18,312	0	27,844	0	0	0	0	0	48,120	0	23.32
El Toro	4,582	0	27,046	221,612	63,546	162,548	13,139	48,019	734	0	118,450	504,897	324.28
Fountain Valley	4,252	0	45,583	5,279	65,232	0	3,679	0	0	0	120,728	12,803	68.05
Garden Grove	8,274	0	67,701	22,000	177,408	49,226	11,504	0	0	0	283,434	117,403	223.69
Golden State	32,725	8,424	164,507	190,738	310,264	112,937	0	0	0	0	581,902	346,272	506.98
Huntington Beach	20,642	0	165,600	58,942	305,420	270,303	9,560	21,534	0	0	538,872	415,705	488.81
Irvine Ranch	36,584	76,400	234,905	317,999	782,844	2,675,629	231,483	46,725	10,132	0	1,340,705	3,163,597	2,003.73
La Habra	0	0	14,014	1,818	49,691	72,164	0	0	501	0	64,206	90,019	76.92
La Palma	0	0	4,884	0	10,257	59,760	0	0	0	0	15,141	59,760	32.14
Laguna Beach	4,586	226	13,647	46,850	47,614	0	3,059	0	0	0	75,081	48,788	65.35
Mesa Water	22,246	0	131,675	33,620	220,815	106,896	4,173	77,033	0	0	396,353	217,549	284.11
Moulton Niguel	14,739	40,741	314,250	1,612,845	889,748	1,059,279	220,749	0	6,624	0	1,463,087	2,840,054	2,129.57
Newport Beach	894	0	33,995	65,277	76,675	375,404	2,924	0	0	0	121,490	443,027	255.24
Orange	11,244	0	120,093	281,402	289,990	106,487	12,847	2,366	1,000	0	464,096	398,978	437.06
San Clemente	18,471	13,908	90,349	1,137	215,249	438,963	4,267	0	6,371	0	372,271	467,173	396.37
San Juan Capistrano	12,106	0	101,195	32,366	197,290	143,315	2,624	40,748	0	0	365,415	347,277	409.91
Santa Margarita	17,778	48,180	211,198	514,198	534,048	550,420	17,010	28,094	6,179	0	802,811	1,169,453	963.96
Seal Beach	0	0	15,178	504	17,349	15,911	1,234	0	0	0	37,372	16,415	26.13
Serrano	2,971	0	41,247	0	127,877	4,403	5,450	0	0	0	177,545	4,403	82.26
South Coast	15,162	116,719	84,282	191,853	181,102	128,290	14,967	0	988	0	312,736	457,581	417.78
Trabuco Canyon	2,651	0	14,771	0	42,510	88,272	1,465	0	768	0	63,979	110,712	85.98
Tustin	1,410	0	71,285	14,137	232,697	33,362	11,173	0	0	0	326,545	47,499	172.08
Westminster	0	0	14,040	34,631	71,833	23,902	11,112	0	0	0	96,985	58,533	70.57
Yorba Linda	0	0	112,136	12,702	360,279	116,985	19,420	0	3,323	0	506,507	129,687	288.97
MWDOC Totals	238,978	304,598	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	37,620	0	8,965,713	11,930,674	10,183.91

Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	-
Fullerton	0	9,214	0	0	0	0	0	0	0	0	0	9,214	-
Santa Ana	0	0	0	0	0	0	0	0	0	0	0	0	-
Non-MWDOC Totals	0	9,214	0	0	0	0	0	0	0	0	0	9,214	0.00

Orange County Totals	238,978	313,812	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	37,620	0	8,965,713	11,939,888	10,184
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[1] Installed device numbers are listed as square feet

HIGH EFFICIENCY TOILETS (HETs) INSTALLED BY AGENCY
through MWD OC and Local Agency Conservation Programs

Agency	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
MWD OC 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-MWD OC 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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**NOTICE OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
FINANCE COMMITTEE**

August 29, 2017

8:30 a.m.

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee has been called by the Chairperson to be held on **August 29, 2017, at 8:30 a.m.** at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

THE SOCWA MEETING ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS (I.E., ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.) PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5421 AT LEAST TWENTY-FOUR (24) 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 TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY FINANCE COMMITTEE IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE FINANCE 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 FINANCE COMMITTEE LESS THAN TWENTY-FOUR (24) 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 FINANCE COMMITTEE MEMBERS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE FINANCE COMMITTEE MEETING ROOM.

AGENDA

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

THOSE WISHING TO ADDRESS THE FINANCE 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 SPECIAL MEETING – FINANCE COMMITTEE

August 29, 2017

Page 2 of 3

3. Year End June 30, 2017 Financials

A. Staff Recommends the Finance Committee:

1. Ratify Summary of Disbursements in the amount of \$2,223,331 for the period June 1, 2017 through June 30, 2017. (Exhibit A)
2. Receive and file the following as information items:
 - a. June 30, 2017 Financial Reports (Preliminary)
 - Summary of Disbursements (Exhibit A)
 - Schedule of Funds Available for Reinvestment (Exhibit B)
 - Schedule of Cash and Investments (Exhibit C)
 - Capital Expenditures vs. Budget including Chart (Exhibit D)
 - Budget vs. Actual Expenditures by Department (Exhibit E1 to E4)
 - a) O&M including Environmental and Safety
 - b) Engineering
 - c) Administration
 - d) IT

4. Year End June 30, 2017 Financial Auditing Services – Selection of Auditor

Recommendation

- 1) Staff recommends that the Finance Committee select an audit firm for recommendation to the Board of Directors at the September 7, 2017 Board Meeting.
- 2) Staff recommends that the Finance Committee recommend to the Board of Directors a Budget increase to the General Fund/Administration Budget of \$5,000 for additional audit costs.

5. Infrastructure Valuation Services

Recommendation

- 1) Finance Committee to recommend to the Board of Directors selection of Carollo Engineers as the firm to perform the Infrastructure Valuation Services.
- 2) Finance Committee to recommend to the Board of Directors inclusion of \$115,000 in funding as an adjustment to the FY 2017-18 Administration Budget to cover this item.

6. General Fund Policy on Allocation of Costs to General Fund

Recommendation

Committee discussion and recommendation to the Board of Directors

NOTICE OF SPECIAL MEETING – FINANCE COMMITTEE

August 29, 2017

Page 3 of 3

7. Implementation of Additional Retiree Health Benefits Tier

Recommendation

- A. The Finance Committee to Recommend to the Board of Directors authorization to be given to the General Manager to execute the following:
 - 1) Administrative Services Agreement
 - 2) Resolution for Adoption and Statement of Adoption
 - 3) VantageCare Retirement Health Savings (RHS) Adoption Agreement
 - 4) Declaration of Trust
 - 5) Retiree Welfare Benefits Plan
- B. The Finance Committee recommends to the Board of Directors a budget adjustment to the FY 2017-18 SOCWA Administration Budget to add \$2500 for the funding of the ADP Services Attendant to the Tier I reimbursements.

8. General Manager Report on Open Items

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Finance Committee at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced Finance Committee at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 24th day of August 2017.

B. Burnett

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

I hereby certify that the following Agenda was posted at least 72 hours prior to the time of the Board Meeting so noticed below, at the usual agenda posting location of the South Orange County Wastewater Authority [SOCWA] and at www.socwa.com.


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

AGENDA

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

Thursday, September 7, 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. CONSENT CALENDAR

A. Financial Matters

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

Monthly Financials Report.....	1
a) Summary of Disbursements (Preliminary) for month of June 2017 – Exhibit A	2
b) Schedule of Funds Available for Reinvestment – Preliminary Exhibit B	3
c) Schedule of Cash and Investments – Preliminary Exhibit C.....	4
d) Capital Projects Summary – Preliminary Exhibit D.....	5
Large Capital Projects Graph – Exhibit D1	6

6. GENERAL MANAGER'S REPORTS

A. General Manager's Status Report88

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

- Kelp Consortium Presentation, Amber Baylor
- Board Questions
- Receive and file

B. Fiscal Year End June 30, 2017 Financial Audit Services – Selection of Auditor.....95

ACTION The Board will be requested to approve and authorize the General Manager to enter into a contract on behalf of SOCWA with the Pun Group for the FY 2016/17 Audit with the option of a two (2) years renewal; and, approve a Budget increase to the General Fund/Administration Budget of \$5,000 for any additional audit costs.

C. Infrastructure Valuation Services96

ACTION The Board will be requested to authorize the General Manager, on behalf of SOCWA, to enter into a contract with Carollo Engineers to perform the Infrastructure Valuation Services; and, authorize the inclusion of \$115,000 in funding as an adjustment to the FY 2017-18 Administration Budget to cover item.

D. Employee MOU (July 1, 2017 – June 30, 2017) Side Letters 1 and 2.....150

ACTION Board will be requested to approve Resolution No. 2017-08, A Resolution Approving Side Letters of Agreement No. 1 and No. 2 to the July 1, 2017 to June 30, 2020 Memorandum of Understanding between the South Orange County Wastewater Authority and the SOCWA Employee Association.

7. CLOSED SESSION

A. Conference with SOCWA Labor Negotiator – Closed Session.

Employee MOU (July 1, 2017 – June 30, 2017), Side Letters 1 and 2, 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.

8. OTHER MATTERS

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

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

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

9. ADJOURNMENT

THE NEXT REGULAR SOCWA BOARD MEETING WILL BE HELD ON
OCTOBER 5, 2017 AT 8:30 A.M.

e) Budget vs. Actual Expenses Preliminary:

O&M and Environmental Safety Costs Summary – Exhibit E-1.....	7
O&M Budget vs. Actual Comparison by PC – Exhibit E-1-A.....	9
Budget vs. Actual Comparison – Residual Engineering – Exhibit E-2	16
Budget vs. Actual Comparison – Administration – Exhibit E-3.....	17
Budget vs. Actual Comparison – Information Technology (IT) – Exhibit E-4.....	18

B. Operational Reports

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

1) Monthly Operations Report – July 2017.....	21
2) SOCWA Ocean Outfall Discharges by Agency	28
3) Beach Ocean Monitoring Report.....	30
4) Recycled Water Report.....	52
5) Pretreatment Report.....	56

C. Capital Improvement Program

1) Status Reports	60
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ACTION The Board will be requested to receive and file subject reports.

D. Project Committee No.17

1) Change Order – Carollo Engineering Construction Services	76
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ACTION The PC17 Board will be requested to approve Change Orders 2, 3, 4, 5 and 6 to the construction services contract with Carollo Engineers for the Regional Treatment Plant Cogeneration and Switchgear Upgrade Project.

2) Change Order – Pacific Hydrotech.....	80
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ACTION The PC17 Board will be requested to approve Change Orders 2 and 3 to the construction contract with Pacific Hydrotech for the Regional Treatment Plant Miscellaneous Improvements 2016 Project.

5. ENGINEERING MATTERS

A. Construction Contract Award – J.B. Latham Treatment Plant.....	85
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ACTION The Board will be requested to approve the award of the construction contract to the S.S. Mechanical Construction Corporation at a price of \$53,775.

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

September 14, 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 **September 14, 2017, at 8:30 a.m.** at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

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

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

AGENDA

1. Call Meeting to Order

2. Public Comments

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

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

NOTICE OF ENGINEERING COMMITTEE

September 14, 2017

Page 2 of 2

3. Review/Approval of Meeting Minutes (June '17, July '17 and August '17)
4. Operations Report
5. Outfall Dilution Study (Project Committees 5 and 24)
6. Effluent Transmission Main Trail Bridge Crossing Protection Design Proposal Review (Project Committee 21 Reach D)
7. J. B. Latham Treatment Plant Facility Improvements Packages A/C Construction Project Close-Out (Project Committee 2)
8. J. B. Latham Treatment Plant Facility Improvements Package B Design Proposal Review (Project Committee 2)
9. Regional Treatment Plant Aeration and Solids Area Improvements Design Draft Request for Proposal Review (Project Committee 17)
10. Coastal Treatment Plant Export Sludge Status 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 7th day of September 2017.



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

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

September 21, 2017

8:30 a.m.

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee has been called by the Chairperson to be held on **September 21, 2017, at 8:30 a.m.** at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

THE SOCWA MEETING ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS (I.E., ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.) PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5421 AT LEAST TWENTY-FOUR (24) 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 TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY FINANCE COMMITTEE IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE FINANCE 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 FINANCE COMMITTEE LESS THAN TWENTY-FOUR (24) 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 FINANCE COMMITTEE MEMBERS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE FINANCE COMMITTEE MEETING ROOM.

AGENDA

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

THOSE WISHING TO ADDRESS THE FINANCE 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 SPECIAL MEETING – FINANCE COMMITTEE

September 21, 2017

Page 2 of 3

3. Month End July 31, 2017 Financials

A. Staff Recommends the Finance Committee:

1. Ratify Summary of Disbursements in the amount of \$2,827,439.63 for the period July 1, 2017 through July 31, 2017. (Exhibit A)
2. Receive and file the following as information items:
 - a. July 31, 2017 Financial Reports
 - Summary of Disbursements (Exhibit A)
 - Schedule of Funds Available for Reinvestment (Exhibit B)
 - Schedule of Cash and Investments (Exhibit C)
 - Capital Expenditures vs. Budget including Chart (Exhibit D)
 - Budget vs. Actual Expenditures by Department (Exhibit E1 to E4)
 - a) O&M including Environmental and Safety
 - b) Engineering
 - c) Administration
 - d) IT

4. Infrastructure Valuation Methodology - Workshop

- Presentation of Carollo Engineering as to Valuation Methodology & Objectives
- Comments of Pun Group as to Infrastructure Valuation Objectives
- Staff Comments

Recommendation

Finance Committee discussion of methodology and objectives.

5. General Fund Policy on Allocation of Costs to General Fund

Recommendation

Committee discussion and recommendation to the Board of Directors.

6. Policy Addressing the Application of the SOCWA Joint Powers Agreement for Distribution of the Costs to Member Agencies (draft policy with attachment – 2005 Capitalization Policy)

Recommendation

Committee discussion and recommendation to the staff and/or Board of Directors.

7. Investment Policy Update

Recommendation

Committee discussion and recommendation to the Board of Directors to approve updated SOCWA Investment Policy.

8. General Manager Report on Open Items

NOTICE OF SPECIAL MEETING – FINANCE COMMITTEE

September 21, 2017

Page 3 of 3

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Finance Committee at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced Finance Committee at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 15th day of September 2017.



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

MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Jointly with the

PLANNING & OPERATIONS COMMITTEE

September 5, 2017, 8:30 a.m.

MWDOC Conference Room 101

P&O Committee:

Director Dick, Chair

Director Tamaribuchi

Director Yoo Schneider

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

H. De La Torre, K. Davanaugh

Ex Officio Member: W. Osborne

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

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

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

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

PRESENTATION ITEM

1. PRESENTATION ON ORANGE COUNTY OPERATIONAL AREA AGREEMENT REVISION EXECUTIVE SUMMARY
2. PRESENTATION BY KEVIN HARDY - EXECUTIVE DIRECTOR OF NATIONAL WATER RESEARCH INSTITUTE

DISCUSSION ITEM

3. STATUS OF MET'S IN-LIEU DELIVERIES

4. LEGISLATIVE UPDATE ON MONNING (SB-623) AND THE LONG TERM CONSERVATION LEGISLATION

ACTION ITEM

5. REQUEST TO APPROVE A REFRESHED MWDOC LOGO DESIGN

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

6. METROPOLITAN'S ASSESSED VALUATION FOR MWDOC AND ORANGE COUNTY FOR FISCAL YEAR 2017-18
7. SOLE SOURCE AGREEMENT WITH TETRA TECH REGARDING HYDRAULIC ASSISTANCE IN EVALUATING OPTIONS FOR CHANGES AT SERVICE CONNECTION CM-1
8. SOLE SOURCE AGREEMENT WITH RAFTELIS FINANCIAL CONSULTANTS FOR ANALYSIS AND REPORT OF RESULTS OF 5-YEAR POST-MONITORING OF BUDGET BASED TIERED RATE DWR GRANT
9. STATUS REPORTS
 - a. Ongoing MWDOC Reliability and Engineering/Planning Projects
 - b. WEROC
 - c. Water Use Efficiency Projects
 - d. Water Use Efficiency Programs Savings and Implementation Report
10. REVIEW OF ISSUES RELATED TO CONSTRUCTION PROGRAMS, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

ADJOURNMENT

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Accommodations for the Disabled. Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Maribeth Goldsby, District Secretary, at (714) 963-3058, or writing to Municipal Water District of Orange County at P.O. Box 20895, Fountain Valley, CA 92728.

Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
September 6, 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. 2060)

PRESENTATION/DISCUSSION/INFORMATION ITEMS

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

Recommendation: Receive input and discuss the information.

2. SERIES OF DISCUSSIONS ON THE CALIFORNIA WATERFIX – PRESENTATION BY METROPOLITAN CHIEF FINANCE OFFICER GARY BREAU

Recommendation: Review and discuss the information presented.

3. 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.

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

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

Recommendation: Review and discuss the information presented.

CLOSED SESSION

5. CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9: (1 Case)

ADJOURNMENT

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**MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
September 13, 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 --

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PROPOSED BOARD CONSENT CALENDAR ITEMS

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

DISCUSSION ITEM

3. MWDOC WATER FACILITIES CORPORATION ANNUAL MEETING
 - a. 2017 Annual Filing of Tax Compliance Reports for the MWDOC Water Facilities Corporation
 - b. Annual Reorganization of Board Officers for the MWDOC Water Facilities Corporation
 - c. FTB Dissolve tax-exempt status

ACTION ITEM

4. AWARD OF BENCHMARK SALARY AND BENEFITS SURVEY CONSULTANT
5. APPROVE CHANGES TO ADMINISTRATIVE CODE SECTION 8000

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

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

OTHER ITEMS

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

ADJOURNMENT

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MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
September 18, 2017, 8:30 a.m.
Conference Room 101

Committee:

Director Tamaribuchi, Chairman
Director Dick
Director Yoo Schneider

Staff: R. Hunter, K. Seckel, J. Volzke,
P. Meszaros, H. Baez, D. Micalizzi,
T. Baca

Ex Officio Member: W. Osborne

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PUBLIC PARTICIPATION

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

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

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

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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. MWDOC LEGISLATIVE POLICY PRINCIPLES ANNUAL UPDATE
3. UPDATE ON CALIFORNIA WATERFIX AND MET ACTIVITIES (oral report)
4. AB 1668 AND SB 606: MAKING WATER CONSERVATION A CALIFORNIA WAY OF LIFE (to be emailed separately)

ACTION ITEMS

5. AUTHORIZATION TO CONTRACT FOR SOCIAL MEDIA CONSULTING SERVICES

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

6. LITTLE HOOVER COMMISSION REPORT ON SPECIAL DISTRICTS
7. WYLAND MAYOR'S CHALLENGE POCKET PARK- PROJECT UPDATE
8. UPDATE ON 2018 OC WATER SUMMIT
9. UPDATE WATER POLICY DINNER (AUGUST 30, 2017)
10. PUBLIC AFFAIRS ACTIVITIES REPORT

OTHER ITEMS

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

ADJOURNMENT

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REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
AND ANNUAL MEETING OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
WATER FACILITIES CORPORATION
18700 Ward Street, Board Room, Fountain Valley, California
September 20, 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.)

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MWDOC WATER FACILITIES CORPORATION AGENDA ITEMS

WFC-1 FINANCIAL REPORT

- a. Annual Filing of Tax Compliance Reports.

Recommendation: Authorize the annual filing of the tax compliance reports as presented.

WFC-2 REORGANIZATION OF MWDOC WFC BOARD OFFICERS

Recommendation: Consider reorganizing the MWDOC WFC Board officers

WFC-3. FRANCHISE TAX BOARD REQUEST TO DISSOLVE MWDOC WATER FACILITIES CORPORATION

Recommendation: Review and discuss dissolving MWDOC Water Facilities Corporation and take action as appropriate.

ADJOURNMENT -- END MWDOC WFC AGENDA

NEXT RESOLUTION NO. 2060

CONSENT CALENDAR (Items 1 to 9)

(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. August 2, 2017 Workshop Board Meeting
- b. August 16, 2017 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: August 7, 2017
- b. Administration & Finance Committee: August 9, 2017
- c. Public Affairs & Legislation Committee: July 17, 2017
- d. Public Affairs & Legislation Committee: August 21, 2017
- e. Executive Committee Meeting: August 17, 2017

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of August 31, 2017
- b. MWDOC Disbursement Registers (August/September)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of July 31, 2017
- d. PARS Monthly Statement (OPEB Trust)
- e. Water Use Efficiency Projects Cash Flow

Recommendation: Receive and file as presented.

4. FINANCIAL REPORT

- a. Combined Financial Statements and Budget Comparative for the period ending July 31, 2017

Recommendation: Receive and file as presented.

5. TRAVEL TO WASHINGTON, DC TO COVER FEDERAL INITIATIVES

Recommendation: Receive and file report.

6. TRAVEL TO SACRAMENTO TO COVER STATE INITIATIVES

Recommendation: Receive and file report.

7. APPROVE CHANGES TO ADMINISTRATIVE CODE SECTION 8000

Recommendation: Authorize revisions to Administrative Code Section 8000, as presented.

8. AWARD OF CONTRACT FOR THE DISTRICT CLASSIFICATION, COMPENSATION AND BENEFITS STUDY

Recommendation: Authorize the General Manager to enter into a contract with Ralph Andersen & Associates to conduct the Classification, Compensation and Benefits Study, as outlined in the proposal, in the amount of \$39,800.

9. ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA) REGION 10 ELECTION

Recommendation: Authorize President Osborne, or his designee, to cast the District's ballot for the ACWA Region 10 Board election.

– End Consent Calendar –

ACTION ITEMS**10-1 REQUEST TO APPROVE A REFRESHED MWDOC LOGO DESIGN**

Recommendation: Select and approve an updated, modernized MWDOC logo design.

10-2 AUTHORIZATION TO CONTRACT FOR SOCIAL MEDIA CONSULTING SERVICES

Recommendation: Authorize entering into a contract with HashtagPinpoint Corporation to provide Social Media Consulting Services for the Municipal Water District of Orange County's (MWDOC) strategic outreach initiatives for FY 17/18.

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

11. GENERAL MANAGER'S REPORT, SEPTEMBER 2017 (ORAL AND WRITTEN)

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

12. MWDOC GENERAL INFORMATION ITEMS

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

Recommendation: Receive and file as presented.

ADJOURNMENT

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GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES SEPTEMBER 2017

Managers' Meeting	Due to scheduling conflicts and vacations, the August Member Agency Managers' meeting was canceled. The next Member Managers' meeting will be held on Thursday, September 21, 2017, at 10:00 am.
Strand Ranch/Other Projects	Karl, Harvey, Kevin and I received a briefing from Paul Cook and Paul Weghorst of IRWD on the status of the Strand Ranch, Stockdale West, Drought Relief Project with Castaic Lake Water Agency and the proposal submitted to the California Water Commission, the Kern Fan Water Storage Project. IRWD has about 36,000 AF of water stored to date and the amount in storage will increase further this year.
OCBC Infrastructure Committee	Director Sat Tamaribuchi, Karl and Francisco attended the OCBC Infrastructure Committee to present information on the WEROC Hazard Mitigation Study and to participate in the discussion on the California WaterFix presented by Brandon Goshi of MET.
California Environmental Dialogue (CED)	At the Omni Hotel in San Diego on August 17 and 18, Director Tamaribuchi and I attended a CED Plenary meeting where agenda items included an Update on the Pure Water Program and Stone Brewery and Climate Planning.
MET Member Agency Manager's Workgroup	At Upper San Gabriel MWD on September 8, Harvey and Damon attended the MET Member Agency Managers' Workgroup meeting. Among the items discussed were status on the CA WaterFix, MET's white papers, and the upcoming September 26 MET Board Workshop. In addition, there was brief review of MET's mid-term Budget report and the estimate of water sales for next fiscal year. Lastly, the workgroup discussed the developments of the long term conservation legislation and other water related legislation i.e., the Monning bill and its proposal of a public goods charge.

MET ITEMS CRITICAL TO ORANGE COUNTY

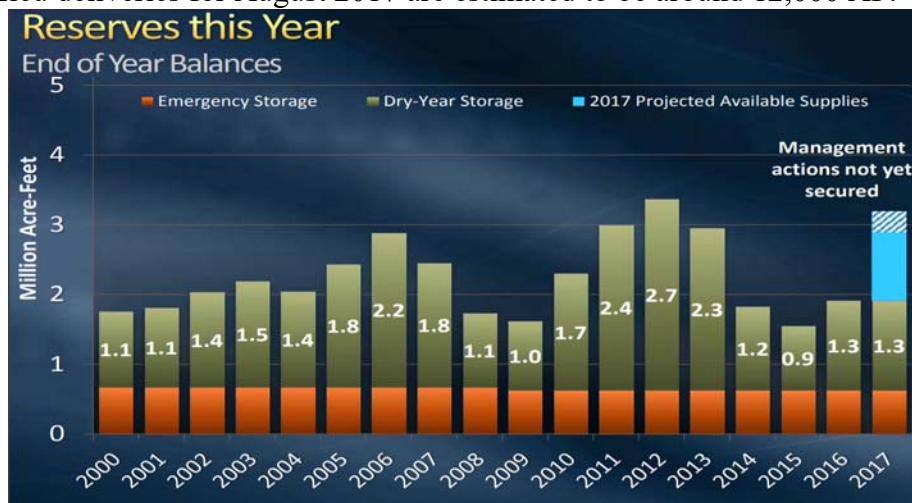
MET's Water Supply Conditions


2017 Water Supply Balance

With the Department of Water Resources (DWR) setting the State Water Project (SWP) "Table A" allocation at 85%, MET will have approximately 1.624 million acre-feet (MAF) in SWP deliveries this water year. In addition, MET has received approximately 124 TAF of Article 21 supplies through July. On the Colorado River system, MET estimates a total delivery of 960 TAF.

MET is projecting that supplies will exceed demand levels in CY 2017. With a current demand trend of 1.47 MAF, MET is expected to increase their dry-year supplies by 1.28 MAF, which is the highest they have ever stored. Based on this estimated recovery and a beginning dry-year storage balance of 1.3 MAF, this will bring MET's total dry-year storage to 2.5 MAF.

Limitations with recharging groundwater basins due to the "suspect" of quagga mussels and to secure all of the available imported water supplies for 2017, the MET Board approved last month a one-year In-Lieu storage program. The purpose of this program is to store additional imported water locally that would have otherwise been lost if no action was taken. For July 2017, MWDOC has requested that MET certify 2,954 AF of imported treated deliveries as In-Lieu. In-Lieu deliveries for August 2017 are estimated to be around 12,000 AF.



MET's Finance and Rate Issues	<p><u>MET Financial Report</u></p> <p>The financial portfolio performance report through July 31, 2017 resulted in a short-term portfolio with a market value of \$736.7 million, a decrease of \$237.0 million since June 30, 2017. From inception, the short-term portfolio has outperformed the benchmark by 0.58% or \$0.8 million.</p>  <p>For the month of July, the total return of the long-term portfolio resulted in an underperformance of the benchmark by -0.05%. However, from inception, the long term portfolio has outperformed the benchmark by 0.28%.</p> <p>July water sales were 47.8 TAF lower than budgeted and 28.9 TAF lower than the 5-year average. Low sales in July are due in part to LA purchasing very little imported water as a result of this year's snow pack in the Eastern Sierras and lower than expected replenishment purchases due to the "suspect" of quagga mussels in the SWP system.</p>
Colorado River Issues	<p><u>Palo Verde Irrigation District Fallowing Program Call Issued</u></p> <p>Under the terms of the Palo Verde Irrigation District Fallowing Program, Palo Verde farmers refrain from irrigating between 7 and 28 percent of their lands in any year at the request of MET, making water that would have been used for farming on these lands available to urban Southern California. Land taken out of production is maintained in accordance with approved soil and water management plans, and rotated back into production every one to five years. The program allows MET to obtain additional water, while providing stable income to the farming community. Annual payments to farmers vary in response to actual acreage fallowed.</p>

<p>Colorado River Issues (Continued)</p>	<p>In July each year, MET issues a fallowing call for the contract year, beginning August 1 of the following year. The current fallowing call of 100 percent will end July 31 and a 90 percent fallowing call, which was made in July of 2016, will begin for the contract year beginning August 1. On July 31, in response to improved storage conditions, MET issued a 40 percent fallowing call for the period beginning August 1, 2018.</p> <p><u>Intentionally Created Surplus Plans for 2017 – 2018</u></p> <p>MET originally submitted its 2017 Intentionally Created Surplus (ICS) plan to create 200,000 acre-feet of Extraordinary Conservation ICS for storage in Lake Mead in June of 2016. MET's ICS plan was approved by the U.S. Bureau of Reclamation (Reclamation) on November 30, 2016. In the intervening time, hydrologic conditions in California have gone from the driest period of historical record to the wettest single year on record. The extraordinary and unprecedented wet conditions of this water year have provided MET with the unanticipated opportunity to utilize ongoing conservation efforts to create and store additional ICS this year to the benefit of Lake Mead and the Colorado River Basin during an ongoing period of historic drought in the Basin. MET sent a letter to Reclamation this month providing notice of MET's proposal to amend its request and store up to 398,000 acre-feet of ICS during 2017. The actual amount of water stored will depend on the water usage of the higher priority agricultural water users on the Colorado River. In addition to revising its 2017 request, MET sent a letter describing its plan to create up to 398,000 acre-feet of ICS during 2018.</p> <p><u>Minute 319 Successor Minute Update</u></p> <p>In July, representatives of the United States and Mexico met in El Paso, Texas to finalize the language of the draft successor minute to Minute 319, pursuant to the International Boundary and Water Commission protocols. The representative of the U.S. domestic entities, including MET, has also been working to complete negotiation of the necessary domestic implementation agreements that will be executed at the same time as the new minute. Before the minute can be signed, it will first be reviewed and considered by the Senate Foreign Relations Committee. This hearing has been scheduled for early August. If approved by all parties to the agreements, the U.S. and Mexico representatives of the IBWC anticipate signing the minute during the last two weeks of September. MET's Board is scheduled to consider approval of the implementation agreement during its September meeting.</p>
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Bay Delta/State Water Project Issues	<p><u>California WaterFix</u></p> <p>On July 21, the California Department of Water Resources (DWR) completed its environmental review process by certifying the 2016 Final Environmental Impact Report (EIR), along with adopting the findings of fact, statement of overriding considerations, and mitigation monitoring and reporting program. At the same time, DWR, as the lead agency in compliance with the California Environmental Quality Act (CEQA), approved California WaterFix and filed the Notice of Determination (NOD) with the State Clearinghouse in Sacramento. With the culmination of this action, focus now shifts toward actions to pursue implementation. Once the NOD is published, the statute of limitations for initiating litigation is 30 days. Relying on DWR's environmental documentation, MET, as a responsible agency under CEQA, will now be able to review and consider this information and deliberate on the next steps it can take on California WaterFix. With three white papers (infrastructure, operations, and cost allocation) being presented to the Board in July and August outlining key aspects of the proposed project, the Board of Directors will be presented with a set of actions to consider for a Board decision on California WaterFix in September or October.</p> <p><u>State Water Resources Control Board</u></p> <p>The California WaterFix Petition proceedings before the State Water Resources Control Board (SWRCB) are ongoing. Part 1 of the hearings addresses the potential effects of the proposed project on legal users of water. MET staff is participating in the rebuttal phase of Part 1 in collaboration with the State Water Contractors. The Sur-Rebuttal for Part 1 of the hearing was completed in July. MET staff anticipates that the closing briefs for Part 1 will be scheduled by the SWRCB soon. Part 2 of the hearings is expected to be scheduled soon since the EIR is approved and Federal Endangered Species Act permits have been issued addressing potential impacts to fish and wildlife from the proposed project.</p> <p><u>Science Activities</u></p> <p>MET staff continues to participate in the Collaborative Science and Adaptive Management Program (CSAMP). MET staff worked with the Delta Smelt Scoping Team to prepare briefing materials and presentations for the CSAMP Policy Group meeting in July, which was focused on discussing the science underlying the Fall X2 action in the U.S. Fish and Wildlife Service Biological Opinion for Delta smelt, and monitoring plans for this fall. MET staff also provided technical input to the design of monitoring studies to evaluate the outcomes of fall flow conditions in 2017.</p>
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Bay Delta/State Water Project Issues (Continued)	<p>MET staff continued science efforts related to longfin smelt. On June 27, MET staff provided a briefing to the Special Committee on Bay-Delta on Longfin smelt studies, and on July 11, the MET Board of Directors approved entering into an agreement with ICF consultants, utilizing funding from a Proposition 1 grant awarded to Metropolitan, to conduct a study investigating factors affecting longfin smelt. The longfin smelt research program is being conducted by MET staff in collaboration with state and federal agencies as well as research institutions and consulting firms. This month, MET staff participated in field work being conducted for the study examining the distribution of juvenile longfin smelt in the San Francisco Estuary. MET staff is also participating in the Longfin Smelt Management Analysis and Synthesis Team, which is a collaborative effort to develop an overall conceptual model and report describing the biology and ecology of longfin smelt in the San Francisco Estuary.</p> <p>MET staff continued to work with ESSA Technologies Ltd. on a project to evaluate the reliability of environmental correlations with fish populations in the Delta. The project includes a literature search of environmental correlations that have been used in the Delta, a re-analysis of the correlations to determine if they hold up in the face of updated data, and recommendations for best practices when using environmental correlations as policy tools. During June and July, staff provided ESSA with numerous historical correlations for use in the study.</p> <p>In July, MET staff also continued efforts to develop salmon related science and restoration projects. MET staff hosted a tour of Butte Sink to identify science and restoration actions that will benefit Chinook salmon populations. Participants included local landowners and staff from state and federal agencies, local water districts, nongovernmental organizations, and university scientists. Science and restoration proposals will be identified in an upcoming workshop.</p> <p>MET staff participated in the first in a series of workshops on the Winter-Run Life Cycle Model that has been used in the recent National Marine Fisheries Service (NMFS) Biological Opinion. The workshop provided stakeholders an opportunity to understand the model, identify knowledge gaps, and propose improvements. MET staff will be coordinating future workshops with representatives from the U.S. Bureau of Reclamation and NMFS.</p>
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ENGINEERING & PLANNING

Doheny Desalination Project

South Coast WD is continuing to move the project forward, as follows:

STATUS INFORMATION BY TASK ORDER

Task Order # 1 – Program Management

- DWR Water Desalination Grant Application is due September 1, 2017.
- Work continues on the MWD LRP Application.

Task Order # 5A – Public Outreach Phase 2

- The SCWD Water Reliability Public Working Group held a third meeting on August 22.

Task Order # 7 – Project Delivery Analysis Project Delivery Workshop 5

- To Be Determined.

Task Order # 8B– Environmental Impact Report

- -Sept 2017: 2nd NOP Scoping Meeting to discuss latest offshore geophysics and slant well implications
- November 13, 2017: Draft EIR Released for Public Comments
- April 30, 2018: SCWD Board of Directors Final EIR Certification
- June 4, 2018: End of NOD 30-day Period

Task Orders # 10 & 12– Geophysical Survey & Hydrology Reports

- Final Offshore Geophysical and Hydrology Reports are currently being reviewed by SCWD

Task Order # 13 – Value for Money Analysis (VfM)

- Final Value for Money (VfM) Report was submitted to SCWD August 15, 2017.

Task Order # 14 – Updated Slant Well Modeling

- Draft Report – September 27, 2017.
- Final Report – October 11, 2017.

Task Order # 15 – Alternative Power Supply Analysis

- Final Alternative Power Supply Analysis by August 31, 2017

Doheny Desalination Project (Continued)	Karl provided information at the August 30 meeting of the South Coast Water District Citizens Reliability Meeting on the potential to expand the Emergency Services Contract for groundwater to be delivered to South Orange County during outages of the MET system. MWDOC has continued to work with IRWD on their ability to extend the existing Emergency Services Contract beyond 2030 and to increase the amount of the contract. It appears from IRWD that an extension is possible but that the amount of emergency capacity may have to be augmented by way of a pump-in to the East Orange County Feeder No. 2. MWDOC is also working on what is required to utilize the East Orange County Feeder No. 2 for such a project.
Poseidon Resources	Poseidon is still working on the permitting process. The public review period for the Draft Supplemental Environmental Impact Report (EIR) was extended to July 27, 2017. Poseidon anticipates a decision by the State Lands Commission on October 19 and then will continue working their way towards the Santa Ana Regional Water Quality Control permit and then on to the California Coastal Commission, likely in the first half of 2018. OCWD is still working on the system integration concepts.
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.
OC-28 Flow Metering Issue with MET	MWDOC, MET and OCWD have exchanged information and MWDOC and OCWD are developing information to present to MET regarding the flow metering problems from last summer at OCWD's OC-28 service connection.
Service Connection CM-1 Cost Issues with MET	Over the past six months, Tom Epperson of Tetra Tech has been providing hydraulic analyses on the concurrent ability to deliver MET water and groundwater at the same time to LBCWD through Newport Beach's water system. The solution being contemplated at this time by LBCWD will work well and does not require MET to make any changes, but there may be times when water quality issues arise in the MET system. It may be advantageous to examine several other options that can eliminate the water quality problems in the MET pipeline. Staff will be utilizing the services of Tetra Tech to help examine a broader range of solutions.
South Orange County Reliability Summit	Karl and Charles attended the South Orange County Reliability Summit sponsored by the San Diego Regional Water Quality Control Board. The purpose of the Summit was to bring together stakeholders to discuss:

South Orange County Reliability Summit (Continued)	<ul style="list-style-type: none"> • San Juan Watershed Project • Doheny Desal Project • Direct Potable Reuse • Other basin issues <p>The meeting resulted in a good discussion of the issues facing these projects. The Regional Board is attempting to provide assistance towards the development of these projects while complying with basin regulations.</p>
North and Central O.C. Integrated Regional Watershed Management Area	<p>Charles has been participating in weekly ad hoc committee meetings to develop the goals, objectives, and strategies for the North and Central IRWM Plan. The draft goals, objectives, and strategies were presented to stakeholders for comments on August 29, 2017. The final draft plan is anticipated by November 2017.</p>
San Juan Basin Authority	<p>Santa Margarita WD continues working on the San Juan Watershed Project. Phase 1, which is being designed to capture wet and dry weather runoff, with subsequent phases looking to introduce recycled water into San Juan Creek for Indirect Potable Reuse. The relatively recent discovery of a geological rock formation (ancient landslide) near Stonehill Drive appears to be a partial barrier to sub-surface flow. This impacts the proposed location of the rubber dams and the ability for Phase I to capture and percolate water into the basin resulting in the estimated water capture for Phase I being reduced from 1,700 AFY to 700 AFY. The budget for Phase I has therefore increased to \$20 million (approximately \$1,400 to \$1,600 per AF). The Draft Environmental Impact Report (DEIR) is now scheduled for public review in mid-September 2017. A new video is available at: http://sanjuanwatershed.com/project-overview-video/</p>
Urban Water Institute	<p>Charles attended the first day of the Urban Water Institute Conference on August 16, 2017. There were two presentations on Oroville Dam Recovery efforts by Jack Safely, MET Import Supply Unit Manager, and Jeanne Kuttel, Chief, DWR Division of Engineering & Oroville Emergency Recovery Team. The Oroville incident has resulted in several changes including new risk categories for dams, a requirement for Department of Safety of Dams to produce a 5-year Capital Improvement Program, new Emergency Action Plans, new Inundation Maps which include a full dam breach scenarios with full reservoirs, and re-evaluation of 93 dams in California.</p> <p>The second session was a panel discussion on policy with Ron Stork of Friends of the River, Jeff Kightlinger of MET, Jennifer Pierre GM of State Water Contractors, and Erin Mellon DWR Public Affairs.</p>

Urban Water Institute (Continued)	Issues discussed ranged from the erosion of public confidence, and ways of moving forward, to a discussion about how to communicate that California is 'a middle-aged State in a middle-aged country' with aging infrastructure whose maintenance must be funded. When it came time to discuss who would be paying for the repairs, the consensus seemed to be that the courts would decide.
Emergency Storage in MET's System	Karl, Charles and Harvey discussed emergency storage in the MET system with Bob Harding and Edgar Fandalian of MET to find out when they may be developing new information for the MET system. They are expecting to provide an updated report after the first of the year. They reported that MET, DWR and LADWP are working jointly on concepts involving the duration of outages for impacts from the San Andreas Fault.
South Orange County Integrated Watershed Management Plan	Director Megan Yoo Schneider and Karl attended the August meeting of the South Orange County Integrated Watershed Management Plan. A report was provided on the overall progress of the Grants received since the formation of this group in 2004. Almost \$36 M in grants has been provided that has led to local projects in the amount of \$216 M through the process. MWDOC has received about \$8 M in grant funding for WUE efforts.
OC Emergency Management Organization	Charles and Kelly attended the OC Emergency Management Organization meeting on August 3, 2017. Dr. Ken Hudnut – USGS presented an overview of the Shakeout Scenario, a computer simulation scenario of a rupture of the San Andreas. Dr. Hudnut noted that the direction of rupture has different consequences for Los Angeles with a south to north rupture tending to concentrate energy into the LA Basin, whereas a north to south rupture would not. Dr. Hudnut also indicated that the State is reviewing the current 'shelter in place' strategy for Southern California to one of 'Survivor movement and evacuation'. There is some concern over the logistical difficulties of supplying millions of people in a disaster zone.
Impacts of WUE on Sanitary Sewer Systems	Charles discussed the long term impacts of WUE on sanitary sewer systems with staff from both the Public Policy Institute of California and the California Urban Water Agencies, who are each doing related work on this topic. Neither of the efforts are specifically evaluating the long term impacts, but CUWA may look at this in a Phase 3 of their study.

EMERGENCY PREPAREDNESS

Coordination with WEROC Member Agencies	<p><i>Ongoing: WEROC, with Michal Baker as the lead consultant, is facilitating 19 agencies through the process of updating the Orange County Water and Wastewater Multi-Jurisdictional Hazard Mitigation Plan. Update: Francisco has been working with each agency to ensure that assignments between meetings are completed on time and the project stays on schedule. On Tuesday, August 8, 2017, as part of this project planning process, Francisco gave a presentation to the Orange County Business Council. The presentation focused on defining hazard mitigation, reviewing the process to writing a plan, informing participants how crucial their involvement is, and answering questions related to WEROC and the hazard mitigation planning process.</i></p> <p>The WEROC Emergency Coordinator Quarterly meeting was August 1. The meeting primarily focused on lessons from the ongoing Unknown Contamination of Water trainings and development of the Spring Exercise.</p> <p>Kelly Hubbard assisted Orange County Water District staff with reviewing an upcoming evacuation drill format and tools.</p> <p>Kelly sat on an interview panel to review candidates for a Compliance and Emergency Coordinator position at South Coast Water District.</p>
Training and Programs	<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 delivered two Emergency Water Quality Sample Kit (EWQSK) Tabletop Exercises with a total of 73 participants. The exercises provided a review of the EWQSK, determining a credible threat, and public notification protocols. The focus of the exercise was to have open discussions on how to improve the kits and response protocols in order to enhance the tools available to WEROC member agencies for any future event that may occur.</i></p> <p>Kelly provided a second session of training on the EWQSK concepts for MWDOC staff assigned to the WEROC EOC and almost all MWDOC staff participated.</p>

Training and Programs (Continued)	<p>Colin Eckerle, WEROC/Engineering Intern, completed the purchase of materials needed for the EWQSK training kits. These are grant funded kits that will be used for training with hazmat and water utilities in the field. Colin will be putting together all purchasing information needed to request reimbursement for the project.</p> <p>Kelly, Janine, and Francisco met to discuss WEROC's social media strategy. The discussion focused on relevant topics and events that member agencies and the public will find interesting and educational. As a result of the meeting, an annual social media schedule and WEROC staff assignments for posting content was developed so that content is posted on a regular basis.</p>
Emergency Plans	<p>Francisco is currently working on incorporating Kelly's recommendations to the Emergency Operations Plan (EOP). The update includes a streamlined approach, update to current information, and the incorporation of corrective actions from previous WEROC training and exercises. Additionally, Francisco is working on the hazard specific annexes. The structure of the annexes is being modified to reflect current response protocols and to provide staff greater guidance based on lessons from previous exercises. Once the plan and hazard specific annexes are completed, the plan will be brought to the Board for approval. EOC staff and member agencies will receive training on the revised plan and copies.</p> <p>Janine has begun the process of updating and simplifying the MWDOC Continuity of Operations Plan within the Safety Center Application. This will allow users to easily navigate through the plan on their mobile devices and find critical information in a timely manner, even when out of office.</p>
Coordination with the County of Orange	<p>Kelly and Charles attended the August Orange County Emergency Management Organization (OCOMO) meeting that took place at the Orange County Transportation Authority. Dr. Ken Hudnut from the U.S. Geological Survey (USGS) presented on the earthquake threat to Southern California and Jim Acosta from Cal OES went over the highlights of the Southern California Catastrophic Earthquake Response Planning Meeting that took place at the end of July in Rancho Cucamonga.</p> <p>Kelly attended the OC Operational Area 5 year Training and Exercise Seminar. The purpose of the seminar is to update the county-wide 5 year exercise and training calendar that is provided to CalOES and FEMA as a component of meeting NIMS compliance as a county and to also justify grant funding for training programs. All government agencies in OC are encouraged to participate in the review process and provide input.</p>

Coordination with the County of Orange (Continued)	<p>Kelly, Janine, and Francisco attended the AlertOC User Group and WebEOC Subcommittee meeting. This meeting focused on providing updates to both systems and giving participants an overview of future improvements to the programs. WEROC staff is updating guidelines for the WEROC member agencies on how to use these two systems based on the updates discussed.</p> <p><i>Operational Area Agreement Revision Working Group Updates: The OA is currently making revisions to the OA Emergency Management Agreement. The OA Agreement is signed by 114 government entities in Orange County and hasn't been updated since it was originally created in the late 90's. A key topics of discussion during this month's meeting included "Section 2.1 Operational Area Signatory Council", which details the signatories roles and responsibilities, "Section 2.2 Operational Area Executive Board", which details the makeup of the voting members and their responsibilities, and "Section 2.3: Orange County Emergency Management Organization", which details the roles and responsibilities of the standing subcommittee to the Executive Board.</i></p> <p>Kelly attended the OC Urban Area Working Group Quarterly Meeting. This group determines which projects receive homeland security grant funding with OC.</p> <p>Kelly attended the OA Operational Area Executive Board Quarterly meeting as the ISDOC voting representative. The executive board heard updates on various emergency management programs from throughout the county and approved the Homeland Security Emergency Management Performance Grant allocation for the 2018 grant year.</p> <p>Kelly attended an OC OA Recovery Seminar on August 24. The OA is leading a county-wide recovery plan writing process. Recovery plans are critical to the successful recovery of communities following major disasters. The OA will be hosting a tabletop exercise as a follow-up to this seminar.</p>
WEROC EOC Readiness	<p>Janine met with IDS Group to conduct a seismic evaluation of the MWDOC Administration Building for the purpose of ensuring that our staff is safe in the event of an earthquake and that our alternate EOC is functional following an earthquake. This report is expected in September. IDS Group also completed the seismic study of the South EOC.</p>

WEROC EOC Readiness (Continued)	<p>General EOC readiness actions completed/facilitated by Janine at the North and South EOC: facility cleanings, pest control, fire extinguisher service, and continued document updates.</p> <p>Francisco participated in the MARS monthly radio test and the OA monthly radio test.</p> <p>Janine has researched new phone and internet plans for the WEROC EOCs, which will save the district money each month. She has finalized the new CAL Net AT&T contract for both the South and North EOC. CAL Net is pre-negotiated communications pricing for government agencies in CA.</p> <p>Francisco met with an electrical contractor at the South EOC to work on quotes for recommended safety improvements at the site.</p> <p>Karl and Kelly met with Bob Hill and Dennis Cafferty of El Toro Water District to discuss potential future improvements to the WEROC EOC and coordination with ETWD throughout the process.</p>
<h2 style="text-align: center;">WATER USE EFFICIENCY</h2>	
California Water Efficiency Partnership (CalWEP)	<p>At the East Bay Municipal Utilities District in Oakland on August 22, Joe Berg chaired the Board of Directors meeting of CalWEP. This was a general business meeting of the Board. The next meeting is scheduled for November 16, 2017.</p> <p>On September 13 and 14, Joe participated in the annual Strategic Planning Workshop for CalWEP. This workshop was hosted by East Bay Municipal Utilities District at Pardee Reservoir Conference Center. The focus of the workshop was completing the organizational transformation from the California Urban Water Conservation Council to the California Water Efficiency Partnership and developing a long term strategy to assist members to comply with developing mandatory water use efficiency standards to “Make Water Conservation a California Way of Life.”</p>
Metropolitan Conservation Program Advisory Committee	<p>The Program Advisory Committee met on August 23 at MET where approximately 25 MET member agency staff participated in this meeting. The focus of the meeting was on program refinement recommendations to be considered by the Board. The next meeting is scheduled for September 19, 2017.</p>

ACWA Water Loss Summit Planning Committee	Joe has been participating on the ACWA Water Loss Summit Planning Committee on August 25 and September 6. These meetings are focusing on setting the program and speakers for the October Water Loss Summit. MWDOC is being listed as a co-sponsor of this event along with ACWA, CA-NV AWWA, and others. The program is focusing on new water loss control reporting requirements established by SB 555.
Leak Detection Equipment Project Advisory Committee	On August 29, Joe hosted the Leak Detection Equipment Project Advisory Committee at MWDOC. This committee began reviewing leak detection equipment technologies and program approaches used by Irvine Ranch Water District and Water Systems Optimization, Inc. Ultimately, this committee will recommend the mix of leak detection equipment to be purchased via the grant awarded to MWDOC by the Bureau of Reclamation. The next meeting has not been scheduled.
Orange County Water Use Efficiency Coordinators Workgroup	<p>On September 7, Joe, Beth Fahl, Steve Hedges, Matthew Conway, and Rachel Waite hosted the Orange County Water Use Efficiency Coordinators Workgroup meeting at MWDOC. Approximately 22 agencies participated in the meeting. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates • Agency Roundtable/Problem Solving • SWRCB Long Term Water Use Efficiency Regulations Update • Potential Future Grant Discussion • Public Affairs & Program Marketing <ul style="list-style-type: none"> ○ Boy Scout Merit Badge Clinic – August 5th at SMWD ○ Coastal Cleanup – September 16, 2017 at HB State Beach, Tower ○ OC Water Summit – June 1, 2018 at the Grand Californian Hotel ○ California Water Fix Update ○ Moulton Niguel WD's Pressure Pilot Program Report. • Metropolitan Update <ul style="list-style-type: none"> ○ Program Advisory Committee Meeting Update • Water Use Efficiency Programs Update <ul style="list-style-type: none"> ○ Smart Timer Rebate Program – MET's new grant funding ○ Turf Removal Program Update ○ Landscape Design Assistance Program ○ Update on Spray-to-Drip in Droplet <ul style="list-style-type: none"> ▪ Grant Funding ▪ Long Term Program Plans Discussion

Orange County Water Use Efficiency Coordinators Workgroup (Continued)	<ul style="list-style-type: none"> • California Water Efficiency Partnership (CalWEP) Update <ul style="list-style-type: none"> ○ Organizations Transition ○ Strategic Planning Workshop, Sept 13-14 EBMUUD ○ Membership Meeting, Sept 20, San Jose <p>The next meeting is scheduled for October 5 and will be hosted by MWDOC.</p>
Orange County Water Loss Control Workgroup	<p>On September 12, Joe hosted the Workgroup meeting which was attended by 21 representatives from 15 agencies. The focus of the meeting was on sales meter accuracy testing and the results of the Year II Water Balances. The next meeting is scheduled for November 14.</p>
PUBLIC/GOVERNMENT AFFAIRS	
Member Agency Relations	<p>Public Affairs Staff:</p> <p>Planned and staffed the Water Policy Dinner featuring Roger Patterson from MET.</p> <p>Gave a presentation on MWDOC and the WaterFix to the El Toro Water District Citizens Advisory Group.</p> <p>Hosted member agencies in a Public Affairs Workgroup meeting at MWDOC.</p> <p>Prepared and distributed the “Monday Morning Briefing” from AMWA.</p> <p>Prepared and distributed eCurrents.</p> <p>Heather attended a roundtable with Chair Felicia Marcus and Board Member Joaquin Esquivel of the State Water Resources Control Board hosted by OCWD, MNWD, IRWD & SMWD.</p> <p>Heather met with Michael Moore of Anaheim Public Works about pending legislation.</p>
Community Relations	<p>Public Affairs Staff assisted Directors Dick and Yoo Schneider in preparing presentations for the Orange Rotary and City of San Clemente.</p>

Community Relations (Continued)	Joe Berg and a Public Affairs staff member attended the La Habra Water Guardians Celebration of Governor Brown's signing of the School Water Conservation Bill. The Water Guardians, an army of four middle schoolers, who successfully proposed legislation establishing a partnership for water agencies to work with school district to save water through incentive programs. The celebration also included a demonstration garden dedication at Washington Middle School. Great work young ladies!
Education	Public affairs staff met with staff from MET and Inside the Outdoors to work on the video contest component of the high school education program.
Media Relations	Public affairs staff helped craft an op-ed on the proposed AB 623 for submission to the OC Register.
Special Projects	<p>Public Affairs staff:</p> <p>Vetted resumes and interviewed candidates for the Public Affairs Assistant position.</p> <p>Vetted proposals and interviewed firms for the social media consultant contract.</p> <p>Participated in the WEROC multi-agency tabletop training exercise.</p> <p>Heather and Melissa Baum-Haley attended an inspection trip through the Upper Basin states of Colorado, Utah and Wyoming hosted by the Colorado River Board of California. Other agencies represented included: Metropolitan, San Diego County Water Authority, LA Department of Water and Power, Eastern MWD, West Basin MWD, Palo Verde Irrigation District, Imperial Irrigation District, Coachella Valley Water District, plus staff from the Department of Water Resources and the Colorado River Board of California.</p> <p>Heather invited and coordinated with September's WACO speaker, Joe Byrne, from the California Water Commission Board who gave an update on the Water Storage Investment Program that allocates \$2.7B from Prop 1 for storage projects.</p> <p>Heather staffed the ISDOC Executive Committee meeting.</p>
Water Summit	Public affairs staff attended Summit Committee meetings with President Osborne and Directors Barbre and Thomas.

Legislative Affairs	<p>Heather coordinated with ACWA's legislative team on the following items:</p> <ul style="list-style-type: none"> • SB 623 – Oppose – coalition letter • AB 401 Implementation – notes from public hearings and feedback on ACWA's comment letter <p>Heather, with much creative assistance from the Public Affairs staff, put together a fact sheet on SB 623 for the Water Policy Dinner.</p> <p>Heather, with assistance from Charles, compiled cost estimates for Orange County should SB 623 be implemented.</p> <p>Heather participated in the Region 10 pre-call in advance of ACWA's State Legislative Committee meeting.</p> <p>Heather participated in ACWA's AB 401 Implementation working group meeting.</p> <p>In Sacramento, Heather attended the ACWA State Legislative Committee meeting.</p> <p>Directors Osborne and Barbre, and Heather and John Lewis attended a meeting with Supervisor Do and his staff providing background and an update on the CA WaterFix and EcoRestore project.</p> <p>Directors Osborne and Tamaribuchi and Heather and John Lewis attended a meeting with Chairwoman Michelle Steel and her chief of staff providing background and an update on the CA WaterFix and EcoRestore project.</p> <p>Heather met with Jessica Witt, Director of Government & Community Relations for the County of Orange, to provide background and an update on the CA WaterFix and EcoRestore project and our meetings with the Board of Supervisors and staff.</p> <p>Heather, Joe, and MWDOC state advocate, Syrus Devers, prepared a letter in support of SB 606 and AB 1668 (Skinner, Hertzberg & Friedman).</p> <p>Heather participated in ACWA's State Legislative Committee webinar on AB 1668 and SB 606.</p>
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MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AGENCIES MANAGERS MEETING

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Fountain Valley, California 92708

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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, September 21, 2017 from 10:00 to noon.

DRAFT AGENDA

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

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

Page #

2. Discussion and Report Items:

- 2-1. Orange County LAFCO - Stakeholder Input for MSR 2018-2022..... 2
- 2-2. California WaterFix Update..... 4
- 2-3. Conservation Legislation Update 5
- 2-4. State Regulations Modeling Effort
- 2-5. Water Loss Control Update
- Meter accuracy testing
 - Year Two water balance results
 - Plans for Year Three

3. Informational Items:

- 3-1. Reminder: Metropolitan Mag Meter Questionnaire
- 3-2. September GM Report
- 3-3. Legislative Reports

4. Next meeting tentatively scheduled for October 19, 2017.

Lunch will be provided immediately following the Managers meeting.



Executive Committee Meeting

Tuesday, September 5, 2017

7:30 a.m.

Municipal Water District of Orange County Conference Room 101

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

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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

AGENDA

I. Welcome

II. Approval of Minutes

- Consider approval of the minutes for the August 1, 2017 meeting

III. Public Comments

IV. Old Business

- Ad-Hoc LAFCO Dues Schedule Study
 - Update will be provided to the Executive Committee

V. New Business

- ISDOC Member Agency Dues
 - Discuss and consider taking action on revised dues schedule

VI. Treasurer's Report – Joan Finnegan

- Receive, discuss and file August 31, 2017 Treasurer's Report.

VII. CSDA Report – Bill Nelson/Arlene Schafer

- Receive, discuss and file the CSDA report.

VIII. LAFCO Report – John Withers

- Receive, discuss and file the LAFCO report.

IX. ACWA Report – Sandra Jacobs

- Receive, discuss and file the ACWA report.

X. OCCOG Report – Phil Anthony

- Receive, discuss and file OCCOG report.

XI. Subcommittee Reports

- **Program (Sandra Jacobs)**
 - Discuss programs and speakers for October 26, 2017 quarterly membership meeting
- **Membership (Mark Monin)**
- c. **Legislative (Mary Aileen Matheis)**
 - Discuss and consider taking action on proposed legislation of interest to Special Districts.

XII. President and Committee Member Announcements and Comments

XIII. Adjourn

Next Executive Committee Meeting: Tuesday, October 3, 2017

Next ISDOC Quarterly Meeting: October 26, 2017



ISDOC Executive Committee
August 1, 2017

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)
Saundra Jacobs, First Vice-President (SMWD)
Mark Monin, Second Vice-President (ETWD)
Mary Aileen Matheis, Third Vice President (IRWD)
Doug Davert, Secretary (EOCWD)
Joan Finnegan, Treasurer (MWDOC)

Committee Members Absent:

Mike Scheafer, Immediate Past President (CMSD)

Others Present:

Arlene Schafer (CMSDCSDA)
Bill Nelson (OCCD/CSDA)
Phil Anthony (OCWD)
Stacy Taylor (Mesa WD)
Heather Baez (MWDOC)
Al Nederhood (YLWD)
Jose Vergara (ETWD)
John Withers (IRWD/LAFCO)
Larry Dick (MWD/MWDOC)
Alicia Duncan (OCWD)
Lisa Ohlund (EOCWD)

II. Minutes

- The minutes from the July 11, 2017 meeting were reviewed. Upon a motion by Director Finnegan and second by Director Jacobs, the minutes were unanimously approved.

III. Public Comments:

Al Nederhood (YLWD) thanked the committee considering the issue regarding LAFCO dues. He encouraged ISDOC to form a committee to study the issue further and move forward.

IV. Old Business:

LAFCO Dues- The committee discussed the ad-hoc LAFCO dues schedule committee; John Withers (LAFCO/IRWD), Charley Wilson (LAFCO/SMWD), Saundra Jacobs (SMWD), and Mark Monin (ETWD) all expressed interest in serving. An email will be sent to ISDOC members to survey interest in serving before President Fisler makes appointments to the committee.

V. New Business:

AB 1000 (Friedman)-Discussion was held regarding this bill; a letter from the Orange County Business Council opposing the bill was distributed. Saundra Jacobs introduced discussion and advised that MWDOC is among those opposed to the bill and requested that the ISDOC take a position in opposition. She encouraged all member districts to oppose as bad policy making, and reminding the committee that this is a “gut and amend” bill, and is being rushed through the legislature (it will be heard again in August). Director Jacobs moved and Director Matheis seconded the motion to have ISDOC send a letter in opposition with copies to ACWA and CSDA. The motion carried unanimously.

VI. Treasurer’s Report – Joan Finnegan

Balance as of 7/31/17 is \$8,744.03. All bills are paid current, but ISDOC is expecting a \$500 invoice from OCCOG.

VII. California Special Districts Association (CSDA) Report – Arlene Schafer:

The Little Hoover Commission has completed their study of special districts and produced a draft report with a series of recommendations; the report is on their website, the Commission may adopt the report at their August meeting.

VIII. Local Agency Formation Commission (LAFCO) Report – John Withers

LAFCO has a “summer-light” schedule and is back at the County Administrative Complex, Hall of Administration in the Planning Commission Hearing Room (old meeting place) starting with the August 9th meeting. At the July LAFCO Meeting, the Commission appointed Lou Penrose of the Orange County Apartment Association as the Alternate Public Member. Mr. Penrose worked in the past for Congressman John Campbell and Congresswoman Mary Bono.

Also at the July Meeting, LAFCO staff provided an update on the City of San Juan Capistrano’s interest in transferring their water and sewer systems to an alternative provider. LAFCO staff issued an RFP to 33 firms for the preparation of a focused MSR, no one responded. They are going to reexamine the requirements and reissue the RFP in the coming months.

- IX. Association of California Water Agencies (ACWA) - Sandra Jacobs:
Nominations for Region 10 closed on June 30th; ballots must be received by September 29th; results will be announced on October 5th. The Fall ACWA Conference will be held in Anaheim from November 28th to December 1st. Region 10 will be conducting a tour of the Prado Dam on October 6th. Legislatively, focus is on SB623, the public goods charge for water. Water agencies would be required to collect the tax and send it to Sacramento; ACWA is opposed. Executive Director Tim Quinn will be out on a medical leave of absence; CalDesal Executive Director Paul Kelly will be the interim Executive Director.
- X. OCCOG Report-Phil Anthony
There was no OCCOG meeting in July. New OCCOG dues rate will have lower ISDOC fee. Phil noted that OCCOG was formed in response to concerns about SCAG; he has asked OCCOG to have a standing report on SCAG on their agenda.
- XI. Subcommittee Reports
- Program – Sandra Jacobs
The next quarterly meeting will be held on October 26th. Options for a speaker include: Deann Thompson from John Wayne Airport who would discuss the emergency response related to the small airplane crash onto the 405 Freeway; Professor Dan Schumer from USC discussing government and Pete Weiztner, editor of the OC Business Journal.
 - Membership – Mark Monin:
Nothing new to report.
 - Legislative – Mary Aileen Matheis:
The Southern California Water Committee is taking the lead in promoting the Southern California WaterFix and will be rolling out a campaign soon. The Legislature is not in session; they return at the end of August. The Urban Water Institute's Annual Conference will be held in San Diego August 17-19, and is entitled, "Delta at the Precipice."
- XII. President and Committee Member Announcements and Comments:
Jim announced that the Bylaws update is in place; discussion ensued regarding reducing income below \$5,200 gross each year to avoid the federal filing requirement.
- XIII. The meeting was adjourned at 8:29 a.m.; the next Executive Committee Meeting will be held on Tuesday, September 5, 2017 at 7:30 a.m.



AGENDA

Friday, September 1, 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. Jim Atkinson
Mesa Water District

Staff Contacts

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County

Pledge of Allegiance

Announcements & Introductions

- Jose Vergara, El Toro Water District

Reports

- Association of California Water Agencies (ACWA) Report – Cathy Green, Orange County Water District
- Metropolitan Water District of Southern California Report – Linda Ackerman, Metropolitan Water District of Southern California

Proposition 1 Update

- Joseph Byrne, Member, California Water Commission

Adjourn

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Next WACO Meeting

Friday, October 6, 7:30 a.m. @ OCWD/MWDOC Joint Boardroom

Next WACO Planning Committee Meeting

Tuesday, September 19, 7:30 a.m. @ MWDOC 101

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

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WACO Planning Committee
Tuesday, September 19, 2017
7:30 A.M.

AGENDA

Feedback of September 1 program

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

18700 Ward Street
Fountain Valley, CA 92708

(714) 378-8232
(714) 963-0291 fax

www.mwdoc.com/waco
www.ocwd.com/news-events/events/waco

Officers

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- 1) Joe Byrne – Prop 1 Update

Items to report

- 1) October WACO meeting moved to 10/13 (2nd Friday)
- 2) October 13 – State Water Project
 - Deven Upadhyay, Group Manager, Water Resources Management, Metropolitan Water District of Southern California (confirmed)
- 3) November 3 – Direct Potable Reuse
 - Kevin Hardy, Executive Director, NWRI (invited)
 - City of San Diego – Speaker TBD

Discussion Items

- 1) 2018 WACO calendar
- 2) December 8 meeting topic and speaker(s)
- 3) Future meeting topics suggested by the committee:
 - Ethics in politics – who is watching elected officials? (Larry Dick)
 - Water loss and unaccounted water (Larry Dick)
 - Outsourcing agency billing to save money (Peer Swan)
 - Urban runoff (Peer Swan)
 - OC groundwater cleanup through the sewer / no EPA (Peer Swan)
 - 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)
 - Executive director of San Juan Basin Authority (Don Froelich/Peer Swan)

Adjourn



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DATES TO REMEMBER
SEPTEMBER/OCTOBER 2017

1. Sept 25 – 28 – CSDA Conference (Monterey)
2. Sept 29 – 8:00 a.m. – TV-6 (Goldman)
3. Sept 29 – DISTRICT OFFICE CLOSED
4. Oct 2 – 8:30 a.m. – MWDOC Planning/Operations Meeting
5. Oct 3 – 7:30 a.m. – RRC Meeting
6. Oct 3 – 7:30 a.m. – ISDOC Executive Committee Meeting
7. Oct 4 – 8:30 a.m. MWDOC/MET Directors Workshop
8. Oct 5 – 8:30 a.m. – SOCWA Board Meeting
9. Oct 6 – 11:30 a.m. – Chair/GM Meeting
10. Oct 9 – 7:30 a.m. – Special Board Meeting (ETWD)
11. Oct 11 – 8:00 a.m. – LAFCO Meeting
12. Oct 11 – 8:30 a.m. – MWDOC Admin/Finance Committee Meeting
13. Oct 12 – 8:30 a.m. – SOCWA Engineering Committee Meeting
14. Oct 13 – DISTRICT OFFICE CLOSED
15. Oct 13 – 7:30 a.m. – WACO Meeting
16. Oct 16 – 8:30 a.m. – MWDOC Public Affairs Committee Meeting
17. Oct 17 – 7:30 a.m. – Agenda Review Meeting
18. Oct 17 – 7:30 a.m. – WACO Planning Committee Meeting
19. Oct 18 – 8:30 a.m. – MWDOC Board Meeting
20. Oct 23 – 7:30 a.m. – Regular Engineering/Finance Committee Meeting
21. Oct 24 – 7:30 a.m. – Regular Board Meeting
22. Oct 26 – 11:30 a.m. – ISDOC Quarterly Meeting
23. Oct 27 – DISTRICT OFFICE CLOSED
24. Oct 27 – 8:00 a.m. – TV-6 (Vergara)
25. Oct 31 – 7:30 a.m. – RRC Meeting

EL TORO WATER DISTRICT

Glossary of Water Terms

Accumulated overdraft: The amount of water necessary to be replaced in the intake area of the groundwater basin to prevent the landward movement of ocean water into the fresh groundwater body.

Acre-foot, AF: A common water industry unit of measurement. An acre-foot is 325,851 gallons, or the amount of water needed to cover one acre with water one foot deep. An acre-foot serves annual needs of two typical California families.

ACWA: Association of California Water Agencies.
A statewide group based in Sacramento that actively lobbies State and Federal Government on water issues.

Advanced treatment: Additional treatment processes used to clean wastewater even further following primary and secondary treatment. Also known as tertiary treatment.

AFY: Acre-foot per year.

Alluvium: A stratified bed of sand, gravel, silt, and clay deposited by flowing water.

AMP: Allen McCulloch pipeline.

Major pipeline transporting treated water to water districts between Yorba Linda, where it starts to El Toro Water District reservoir, where it terminates.

Annexation: The inclusion of land within a government agency's jurisdiction.

Annual overdraft: The quantity by which the production of water from the groundwater supplies during the water year exceeds the natural replenishment of such groundwater supplies during the same water year.

Aqueduct: A man-made canal or pipeline used to transport water.

Aquifer: An underground geologic formation of rock, soil or sediment that is naturally saturated with water; an aquifer stores groundwater.

Arid: Dry; deserts are arid places. Semi-arid places are almost as dry as a desert.

Artesian: An aquifer in which the water is under sufficient pressure to cause it to rise above the bottom of the overlying confining bed, if the opportunity is provided.

Artificial recharge: The addition of surface water to a groundwater reservoir by human activity, such as putting surface water into recharge basins. (See also: groundwater recharge and recharge basin.)

AWWA American Water Works Association
Nationwide group of public and private water purveyors and related industrial suppliers.

Base flow: The portion of river surface flow which remains after deduction of storm flow and/or purchased imported water.

Bay-Delta: The Sacramento-San Joaquin Bay-Delta is a unique natural resource of local, state and national significance. The Delta is home to more than 500,000 people; contains 500,000 acres of agriculture; provides habitat for 700 native plant and animal species; provides water for more than 25 million Californians and 3 million acres of agriculture; is traversed by energy, communications and transportation facilities vital to the economic health of California; and supports a \$400 billion economy.

BIA: Building Industry Association.

Biofouling: The formation of bacterial film (biofilm) on fragile reverse osmosis membrane surfaces.

Biosolids: Solid organic matter recovered from a sewage treatment process and used especially as fertilizer.

BMP: Best Management Practice. An engineered structure or management activity, or combination of these, that eliminates or reduces adverse environmental effects.

Brackish water: A mixture of freshwater and saltwater.

Brown Act: Ralph M. Brown Act enacted by the State legislature governing all meetings of legislative bodies. Also known as the Open Meeting requirements.

Canal: A ditch used to move water from one location to another.

CASA: California Association of Sanitation Agencies The sanitation equivalent of ACWA concerned solely with issues affecting the treatment and disposal of solid waste and wastewater.

CEQA: California Environmental Quality Act.

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act. This federal law establishes the Superfund program for hazardous waste sites. It provides the legal basis for the United States EPA to regulate and clean up hazardous waste sites, and if appropriate, to seek financial compensation from entities responsible for the site.

CFS: Cubic feet per second.

Chloramines: A mixture of ammonia and chlorine used to purify water.

Clarify: To make clear or pure by separation and elimination of suspended solid material.

Coagulation: The clumping together of solids so they can more easily be settled out or filtered out of water. A chemical called aluminum sulfate (alum) is generally used to aid coagulation in water treatment and reclamation.

Coastkeepers: A non-profit organization dedicated to the protection and preservation of the marine habitats and watersheds of Orange County through programs of education, restoration, enforcement and advocacy.

Colored water: Groundwater extracted from the basin that is unsuitable for domestic use without treatment due to high color and odor exceeding drinking water standards.

Condensation: The process of water vapor (gas) changing into liquid water. An example of condensation can be seen in the tiny water droplets that form on the outside of a glass of iced tea as warmer air touches the cooler glass.

Confined aquifer: An aquifer that is bound above and below by dense layers of rock and contains water under pressure.

Conjunctive use: Storing imported water in a local aquifer, in conjunction with groundwater, for later retrieval and use.

Contaminate: To make unclean or impure by the addition of harmful substances.

CPCFA: California Pollution Control Financing Authority. State agency providing funds for wastewater reclamation projects.

Crisis:

1. **a:** The turning point for better or worse **b:** a paroxysmal attack of pain, distress, or disordered function **c:** an emotionally significant event or radical change of status in a person's life <a midlife crisis>
2. The decisive moment (as in a literary plot)
3. **a:** An unstable or crucial time or state of affairs in which a decisive change is impending; *especially* : one with the distinct possibility of a highly undesirable outcome <a financial crisis> **b:** a situation that has reached a critical phase

CTP Coastal Treatment Plant

CWPCA California Water Pollution Control Association. A 7000 member non-profit educational organization dedicated to water pollution control.

Dam: A barrier built across a river or stream to hold water.

Decompose: To separate into simpler compounds, substances or elements.

Deep percolation: The percolation of surface water through the ground beyond the lower limit of the root zone of plants into a groundwater aquifer.

Degraded water: Water within the groundwater basin that, in one characteristic or another, does not meet primary drinking water standards.

Delta: Where the rivers empty; an outlet from land to ocean, also where the rivers deposit sediment they carry forming landforms.

Delta Vision: Delta Vision is intended to identify a strategy for managing the Sacramento-San Joaquin Delta as a sustainable ecosystem that would continue to support environmental and economic functions that are critical to the people of California.

Demineralize: To reduce the concentrations of minerals from water by ion exchange, distillation, electro-dialysis, or reverse osmosis.

De-nitrification: The physical process of removing nitrate from water through reverse osmosis, microfiltration, or other means.

Desalting (or desalination): Removing salts from salt water by evaporation or distillation. Specific treatment processes, such as reverse osmosis or multi-stage flash distillation, to demineralize seawater or brackish (saline) waters for reuse. Also sometimes used in wastewater treatment to remove salts other pollutants.

Desilting: The physical process of removing suspended particles from water.

Dilute: To lessen the amount of a substance in water by adding more water.

Disinfection: Water treatment which destroys potentially harmful bacteria.

Drainage basin: The area of land from which water drains into a river, for example, the Sacramento River Basin, in which all land area drains into the Sacramento River. Also called catchment area, watershed, or river basin.

Drought: A prolonged period of below-average precipitation.

DPHS: California Department of Public Health Services. Regulates public water systems; oversees water recycling projects; permits water treatment devices; certifies drinking water treatment and distribution operators; supports and promotes water system security; provides support for small water systems and for improving technical, managerial, and financial (TMF) capacity; provides funding opportunities for water system improvements.

DVL: Diamond Valley Lake. Metropolitan's major reservoir near Hemet, in southwestern Riverside County.

DWR: California Department of Water Resources. Guides development/management of California's water resources; owns/operates State Water Project and other water facilities.

Endangered Species: A species of animal or plant threatened with extinction.

Endangered Species Act of 1973 (ESA): The most wide-ranging of the dozens of United States environmental laws passed in the 1970s. As stated in section 2 of the act, it was designed to protect critically imperiled species from extinction as a "consequence of economic growth and development untended by adequate concern and conservation.

Ecosystem: Where living and non-living things interact (coexist) in order to survive.

Effluent: Wastewater or other liquid, partially or completely treated or in its natural state, flowing from a treatment plant.

Evaporation: The process that changes water (liquid) into water vapor (gas).

Estuary: Where fresh water meets salt water.

Evapotranspiration: The quantity of water transpired (given off), retained in plant tissues, and evaporated from plant tissues and surrounding soil surface. Quantitatively, it is expressed in terms of depth of water per unit area during a specified period of time.

FCH Federal Clearing House – Environmental Review/Processing

FEMA Federal Emergency Management Agency

Filtration: The process of allowing water to pass through layers of a porous material such as sand, gravel or charcoal to trap solid particles. Filtration occurs in nature when rain water soaks into the ground and it passes through hundreds of feet of sand and gravel. This same natural process of filtration is duplicated in water and wastewater treatment plants, generally using sand and coal as the filter media.

Flocculation: A chemical process involving addition of a coagulant to assist in the removal of turbidity in water.

Forebay: A reservoir or pond situated at the intake of a pumping plant or power plant to stabilize water level; also, a portion of a groundwater basin where large quantities of surface water can recharge the basin through infiltration.

Gray water reuse: Reuse, generally without treatment, of domestic type wastewater for toilet flushing, garden irrigation and other non-potable uses. Excludes water from toilets, kitchen sinks, dishwashers, or water used for washing diapers.

Green Acres Project (GAP): A 7.5 million gallons per day (MGD) water reclamation project that serves tertiary treated recycled water to irrigation and industrial users in Costa Mesa, Fountain Valley, Huntington Beach, Newport Beach, and Santa Ana.

God Squad: A seven-member committee that is officially called the "Endangered Species Committee". Members consist of Secretary of the Interior, the Secretary of Agriculture, the Secretary of the Army, the Chairman of the Council of Economic Advisers, the Administrator of the National Oceanic and Atmospheric Administration and one individual from the affected state. The squad was established in 1978 by an amendment to the 1973 Endangered Species Act (ESA). It has only been called into action three times to deal with proposed federal agency actions that have been determined to cause "jeopardy" to any listed species. Such actions may receive an exemption from the ESA if five members of the committee determine that the action is of regional or national significance, that the benefits of the action clearly outweigh the benefits of conserving the species and that there are no reasonable and prudent alternatives to the action.

Groundwater: Water that has percolated into natural, underground aquifers; water in the ground, not water puddled on the ground.

Groundwater basin: A groundwater reservoir defined by the overlying land surface and the underlying aquifers that contain water stored in the reservoir. Boundaries of success-ively deeper aquifers may differ and make it difficult to define the limits of the basin.

Groundwater mining: The withdrawal of water from an aquifer in excess of recharge over a period of time. If continued, the underground supply would eventually be exhausted or the water table could drop below economically feasible pumping lifts.

Groundwater overdraft: The condition of a groundwater basin in which the amount of water withdrawn by pumping exceeds the amount of water that recharges the basin over a period of years during which water supply conditions approximate average.

Groundwater recharge: The action of increasing groundwater storage by natural conditions or by human activity. See also: Artificial recharge.

Ground Water Replenishment System (GWRS): A joint project of the Orange County Water District and the Orange County Sanitation District that will provide up to 100,000 acre-feet of reclaimed water annually. The high-quality water will be used to expand an existing underground seawater intrusion barrier and to replenish the groundwater basin underlying north and central Orange County.

Groundwater table: The upper surface of the zone of saturation (all pores of subsoil filled with water), except where the surface is formed by an impermeable body.

GPM: Gallons per minute.

Ground Water Replenishment System (GWRS): Orange County Water District's state-of-the-art, highly advanced, waste-water treatment facility.

Hydrologic balance: An accounting of all water inflow to, water outflow from, and changes in water storage within a hydrologic unit over a specified period.

Hydrologic cycle: The process of water constantly circulating from the ocean, to the atmosphere, to the earth in a form of precipitation, and finally returning to the ocean.

Imported water: Water that has originated from one hydrologic region and is transferred to another hydrologic region.

Inflatable rubber dams: Designed to replace temporary sand levees that wash out during heavy storm flow, the dams hold back high-volume river flows and divert the water into the off-river system for percolation.

Influent: Water or wastewater entering a treatment plant, or a particular stage of the treatment process.

Irrigation: Applying water to crops, lawns or other plants using pumps, pipes, hoses, sprinklers, etc.

JPIA Joint Powers Insurance Authority. A group of water agencies providing self-insurance to members of the ACWA.

LAIF Local Agency Investment Fund. Statewide pool of surplus public agency money managed by State Treasurer.

Leach: To remove components from the soil by the action of water trickling through.

MAF: Million acre feet.

MCL: Maximum contaminant level set by EPA for a regulated substance in drinking water. According to health agencies, the maximum amount of a substance that can be present in water that's safe to drink and which looks, tastes and smells good.

MET: Metropolitan Water District of Southern California.

MGD: Million gallons per day.

Microfiltration: A physical separation process where tiny, hollow filaments members separate particles from water.

Microorganism: An animal or plant of microscopic size.

MWD: Metropolitan Water District of Southern California.

MWDOC: Municipal Water District of Orange County. Intermediate wholesaler between MWD and 27 member agencies including ETWD.

Non-point source pollution: Pollution that is so general or covers such a wide area that no single, localized source of the pollution can be identified.

NPDES National Pollution Discharge Elimination System

OCBC: Orange County Business Council.

OCEMA Orange County Environmental Management Agency

OCWD: Orange County Water District.

Opportunity:

1. A favorable juncture of circumstances.
2. A good chance for advancement or progress .

Organism: Any individual form of life, such as a plant, animal or bacterium.

PCM Professional Community Management, Inc. Property Management company providing services to Laguna Woods Village and other homeowner associations.

Perched groundwater: Groundwater supported by a zone of material of low permeability located above an underlying main body of groundwater with which it is not hydrostatically connected.

Percolation: The downward movement of water through the soil or alluvium to the groundwater table.

Permeability: The capability of soil or other geologic formations to transmit water.

Point source: A specific site from which waste or polluted water is discharged into a water body, the source of which is identified. See also: non-point source.

Potable water: Suitable and safe for drinking.

PPB: Parts per billion.

Precipitation: Water from the atmosphere that falls to the ground as a liquid (rain) or a solid (snow, sleet, hail).

Primary treated water: First major treatment in a wastewater treatment facility, usually sedimentation but not biological oxidation.

Primary treatment: Removing solids and floating matter from wastewater using screening, skimming and sedimentation (settling by gravity).

Prior appropriation doctrine: Allocates water rights to the first party who diverts water from its natural source and applies the water to beneficial use. If at some point the first appropriator fails to use the water beneficially, another person may appropriate the water and gain rights to the water. The central principle is beneficial use, not land ownership.

Pumping Plant: A facility that lifts water up and over hills.

Recharge: The physical process where water naturally percolates or sinks into a groundwater basin.

Recharge basin: A surface facility, often a large pond, used to increase the infiltration of surface water into a groundwater basin.

Reclaimed wastewater: Wastewater that becomes suitable for a specific beneficial use as a result of treatment. See also: wastewater reclamation.

Reclamation project: A project where water is obtained from a sanitary district or system and which undergoes additional treatment for a variety of uses, including landscape irrigation, industrial uses, and groundwater recharge.

Recycling: A type of reuse, usually involving running a supply of water through a closed system again and again. Legislation in 1991 legally equates the term "recycled water" to reclaimed water.

Reservoir: A place where water is stored until it is needed. A reservoir can be an open lake or an enclosed storage tank.

Reverse osmosis: (RO) A method of removing salts or other ions from water by forcing water through a semi-permeable membrane.

RFP Request for Proposal

Riparian: Of or on the banks of a stream, river, or other body of water.

RO: Reverse osmosis. See the listing under "reverse osmosis."

R-O-W Right-of-way

Runoff: Liquid water that travels over the surface of the Earth, moving downward due to gravity. Runoff is one way in which water that falls as precipitation returns to the ocean.

RWQCB Regional Water Quality Control Board. State agency regulating discharge and use of recycled water.

Safe Drinking Water Act (SDWA): The Safe Drinking Water Act (SDWA) was originally passed by Congress in 1974 to protect public health by regulating the nation's public drinking water supply. The law was amended in 1986 and 1996 and requires many actions to protect drinking water and its sources: rivers, lakes, reservoirs, springs, and ground water wells. (SDWA does not regulate private wells which serve fewer than 25 individuals.) SDWA authorizes the United States Environmental Protection Agency (US EPA) to set national health-based standards for drinking water to protect against both naturally-occurring and man-made contaminants that may be found in drinking water. US EPA, states, and water systems work together to make sure that these standards are met.

Safe yield: The maximum quantity of water that can be withdrawn from a groundwater basin over a long period of time without developing a condition of overdraft, sometimes referred to as sustained yield.

SAFRA Santa Ana River Flood Protection Agency

Salinity: Generally, the concentration of mineral salts dissolved in water. Salinity may be measured by weight (total dissolved solids - TDS), electrical conductivity, or osmotic pressure. Where seawater is known to be the major source of salt, salinity is often used to refer to the concentration of chlorides in the water.

SAWPA: Santa Ana Watershed Project Authority.

SCADA Supervisory Control and Data Acquisition

SCAP Southern California Alliance of Publicly. Newly formed group of public agencies seeking reasonable regulation of sewer industry.

SCH State Clearing House – Environmental Review/Processing

Seasonal storage: A three-part program offered by Metropolitan Water District of Southern California:

STSS (Short Term Seasonal Storage) financially encourages agencies with local groundwater production capabilities to produce a higher percentage of their demand in the summer from their local groundwater supplies, thus shifting a portion of their demand on the MWD system from the summer to winter;

LTSS (Long Term Seasonal Storage) financially encourages retail agencies to take and store additional amounts of MWD water above their normal annual demands for later use; Replenishment Water provides less expensive interruptible water that is generally available and used to increase the operating yield of groundwater basins.

Seawater intrusion: The movement of salt water into a body of fresh water. It can occur in either surface water or groundwater basins.

Seawater barrier: A physical facility or method of operation designed to prevent the intrusion of salt water into a body of freshwater.

Secondary treatment: The biological portion of wastewater treatment which uses the activated sludge process to further clean wastewater after primary treatment. Generally, a level of treatment that produces 85 percent removal efficiencies for biological oxygen demand and suspended solids. Usually carried out through the use of trickling filters or by the activated sludge process.

Sedimentation: The settling of solids in a body of water using gravity.

Settle: To clarify water by causing impurities/solid material to sink to a container's bottom.

Sewer: The system of pipes that carries wastewater from homes and businesses to a treatment plant or reclamation plant. Sewers are separate from storm drains, which is a system of drains and pipes that carry rain water from urban streets back to the ocean. Overwatering your yard can also cause water to run into the streets and into storm drains. Storm drain water is not treated before it is discharged.

SigAlert: Any unplanned event that causes the closing of one lane of traffic for 30 minutes or more, as opposed to a planned event, like road construction, which is planned.

SJBA San Juan Basin Authority

Sludge: The solids that remain after wastewater treatment. This material is separated from the cleaned water, treated and composted into fertilizer. Also called biosolids.

SOCWA South Orange County Wastewater Authority. Regional Joint Powers Authority formed for collection and treatment of sewerage (previously known as AWMA/SERRA/SOCRA). SOCWA member agencies:

CSC – City of San Clemente

CSJC – City of San Juan Capistrano

CLB – City of Laguna Beach

ETWD – El Toro Water District

EBSD – Emerald Bay Service District

IRWD – Irvine Ranch Water District

MNWD – Moulton Niguel Water District

SCWD – South Coast Water District

SMWD – Santa Margarita Water District

TCWD – Trabuco Canyon Water District

SRF State Revolving Fund

Storm Drain: The system of pipes that carries rain water from urban streets back to the ocean. Overwatering your yard can also cause water to run into the streets and into storm drains. Storm drain

water is not treated before it is discharged. Storm drains are separate from sewers, which is a separate system of pipes to carry wastewater from homes and businesses to a treatment plant or reclamation plant for cleaning.

Storm flow: Surface flow originating from precipitation and run-off which has not percolated to an underground basin.

SWP: State Water Project. An aqueduct system that delivers water from northern California to central and southern California.

SWRCB State Water Resources Control Board

TDS: Total dissolved solids. A quantitative measure of the residual minerals dissolved in water that remain after evaporation of a solution. Usually expressed in milligrams per liter.

Tertiary treatment: The treatment of wastewater beyond the secondary or biological stage. Normally implies the removal of nutrients, such as phosphorous and nitrogen, and a high percentage of suspended solids.

THM: Trihalomethanes. Any of several synthetic organic compounds formed when chlorine or bromine combine with organic materials in water.

TMA: Too many acronyms.

TMDL: Total maximum daily load; A quantitative assessment of water quality problems, contributing sources, and load reductions or control actions needed to restore and protect bodies of water.

Transpiration: The process in which plant tissues give off water vapor to the atmosphere as an essential physiological process.

Turbidity: Thick or opaque with matter in suspension; muddy water.

Ultraviolet light disinfection: A disinfection method for water that has received either secondary or tertiary treatment used as an alternative to chlorination.

VE Value Engineering

VOC: Volatile organic compound; a chemical compound that evaporates readily at room temperature and contains carbon.

Wastewater: Water that has been previously used by a municipality, industry or agriculture and has suffered a loss of quality as a result.

Water Cycle: The continuous process of surface water (puddles, lakes, oceans) evaporating from the sun's heat to become water vapor (gas) in the atmosphere. Water condenses into clouds and then falls back to earth as rain or snow (precipitation). Some precipitation soaks into the ground (percolation) to replenish groundwater supplies in underground aquifers.

Water rights: A legally protected right to take possession of water occurring in a natural waterway and to divert that water for beneficial use.

Water-use Efficiency: The water requirements of a particular device, fixture, appliance, process, piece of equipment, or activity.

Water year (USGS): The period between October 1st of one calendar year to September 30th of the following calendar year.

Watermaster: A court appointed person(s) that has specific responsibilities to carry out court decisions pertaining to a river system or watershed.

Water Reclamation: The treatment of wastewater to make it suitable for a beneficial reuse, such as landscape irrigation. Also called water recycling.

Watershed: The total land area that from which water drains or flows to a river, stream, lake or other body of water.

Water table: The top level of water stored underground.

WEF Water Environment Federation. Formerly – Water Pollution Control Federation (WPCF). International trade group advising members of sewage treatment techniques and their effect on the environment.

Weir box: A device to measure/control surface water flows in streams or between ponds.

Wellhead treatment: Water quality treatment of water being produced at the well site.

Wetland: Any area in which the water table stands near, at, or above the land surface for a portion of the year. Wetlands are characterized by plants adapted to wet soil conditions.

Xeriscape: Landscaping that requires minimal water.