

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



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

AGENDA

**EL TORO WATER DISTRICT
PUBLIC HEARING
&
REGULAR MEETING OF THE
BOARD OF DIRECTORS**

**June 28, 2018
7:30 a.m.**

CALL MEETING TO ORDER – President Goldman

PLEDGE OF ALLEGIANCE – Vice President Vergara

ORAL COMMUNICATIONS/PUBLIC COMMENTS

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

PRESENTATION OF AWARDS, RECOGNITIONS AND INTRODUCTIONS

a. Service Awards

1. Mr. Hill will recognize and congratulate on behalf of the Board, Michael Miazga, Information Technology Manager, for 15 years of service with the District.

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

No acknowledgement this month.

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

No acknowledgement this month.

d. New Employee Introductions

1. Mr. Hill will introduce and welcome on behalf of the Board, Dominic Bergin, Compliance Program Coordinator 1 to the District.
2. Mr. Hill will introduce and welcome on behalf of the Board, Daniel Orozco, Collection Maintenance Worker 1 to the District.

1. **INCREASES TO CERTAIN WATER, SEWER AND RECYCLED WATER SERVICE RATES AND CHARGES** (Reference Material Included)

Prior to opening the public hearing, Staff will review and comment on proposed amendments to Schedules No. 1-W, 1-S, 3-S, and 4-W of the District's Rules and Regulations as it relates to proposed increases to certain water, sewer and recycled water service rates and charges, and the Private Fire Protection Service Rate. The proposed increases have been incorporated in the District's approved 2018/19 Operating Budget.

Following today's public hearing, the Board of Directors will be requested to consider taking action to adopt Resolution No. 18-6-1 approving amendments to Schedules No. 1-W, 1-S, 3-S, and 4-W of the District's Rules and Regulations as it relates to increases to certain water, sewer and recycled water service rates and charges and Private Fire Protection Service Rate.

OPEN PUBLIC HEARING

2. **PUBLIC HEARING REGARDING ADOPTION OF PROPOSED INCREASES TO CERTAIN WATER, SEWER AND RECYCLED WATER SERVICE RATES AND CHARGES AND PRIVATE FIRE PROTECTION SERVICE RATE** (Reference Material Included)

At this time the Board of Directors will conduct a public hearing to receive and consider public comments and protests regarding proposed increases to certain water, sewer and recycled water service rates and charges and Private Fire Protection Service Rate.

PUBLIC COMMENT

The Public will be invited to comment on the proposed increase to the District's rates and charges.

CLOSE PUBLIC HEARING

The Board President will close the Public Hearing at this time.

REGULAR SESSION

3. RESOLUTION NO. 18-6-1 ADOPTING AMENDMENTS TO THE DISTRICT'S RULES AND REGULATIONS (Reference Material Included)

The Board of Directors will review Resolution No. 18-6-1 and consider taking action on same.

Recommended Action: The Board of Directors will consider adopting Resolution No. 18-6-1 which Resolution 1) provides for an increase to certain water, sewer and recycled water service rates and charges, and Private Fire Protection Service Rate effective July 1, 2018, and 2) makes findings and determination that the action taken in this Resolution is exempt from the requirements of the California Environmental Water Quality Act.

RESOLUTION NO. 18-6-1

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE EL TORO WATER DISTRICT
APPROVING AN AMENDMENT TO THE
DISTRICT'S RULES AND REGULATIONS,
WHICH AMENDMENT 1) PROVIDES FOR AN INCREASE TO
CERTAIN OF THE DISTRICT'S WATER, SEWER,
& RECYCLED WATER SERVICE RATES AND CHARGES AND
PRIVATE FIRE PROTECTION SERVICE RATE, AND
2) MAKES FINDINGS AND DETERMINATIONS
THAT THE ACTION TAKEN IN THIS
RESOLUTION IS EXEMPT FROM THE
REQUIREMENTS OF THE CALIFORNIA
ENVIRONMENTAL QUALITY ACT (CEQA)

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)

4. Approval of Minutes (Minutes Included)

Consider approving minutes of the May 24, 2018 Board meeting.

5. Attendance at Conferences and Meetings

- a. Consider approving the Directors to attend the CASA 63rd Annual Conference, August 8-10, 2018 in Monterey, CA.
- b. Consider approving the Directors to attend the Urban Water Institute's 25th Annual Water Conference, August 22-24, 2018 in San Diego, Ca.

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

6. Director Reports for Meetings Attended (Oral Report)

GENERAL MANAGER ACTION ITEMS

7. Landscape Maintenance (Reference Material Included)

Staff will review and comment on bids received to provide Landscape Maintenance Services at certain District facilities.

Recommended Action:

Staff recommends that the Board of Directors authorize the District's General Manager to enter into a contract with Nieves Landscape, the District's current landscape maintenance contractor, in the amount of \$132,684 for landscape maintenance services at certain District facilities. Staff further recommends that the Board authorize the General Manager to fund the project costs from the designated Capital

Construction Reserves in accordance with the District's adopted Capital Reserve Policy.

8. **CASA Designation of Agency Representative and Consent to Electronic Transmission** (Reference Material Included)

Staff will review and comment on the California Association of Sanitation Agencies (CASA) request for the District to 1) designate the agency's representative and two alternates who shall exercise the voting rights and other privileges on behalf of the member agency and 2) consent to receiving official CASA communications electronically rather than by regular mail.

Recommended Action: Staff recommends that the Board 1) designate the agency's representative and two alternates who shall exercise the voting rights and other privileges on behalf of the District and 2) consent to receiving official CASA communications electronically rather than by regular mail.

GENERAL MANAGER INFORMATION ITEMS

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

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

10. **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.

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

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

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

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

- a. SOCWA Engineering Committee Meeting – June 14, 2018
- b. SOCWA Board Meeting – June 15, 2018
- c. SOCWA Finance Committee Meeting – June 27, 2018

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

- a. MWDOC Planning/Operations Committee – June 4, 2018
- b. MWDOC/MET Directors Workshop – June 6, 2018
- c. MWDOC Administration & Finance Committee – June 13, 2018
- d. MWDOC Public Affairs & Legislation Committee – June 18, 2018
- e. MWDOC Board Meeting – June 20, 2018
- f. MWDOC Managers Meeting – June 21, 2018

15. Local Agency Formation Commission (LAFCO) Report

- a. Report on the June 13, 2018 LAFCO meeting

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

- a. Report on the June 4, 2018 Management Committee meeting

17. ISDOC Meetings (Reference Material Included)

- a. Report on the June 5, 2018 ISDOC Executive Committee Meeting

18. WACO Meetings (Reference Material Included)

- a. Report on the June 8, 2018 WACO Meeting
- b. Report on the June 19, 2018 WACO Planning Committee meeting

19. City Coordination Efforts

- a. Report on the May 30, 2018 Lake Forest Quarterly Utility Meeting

COMMITTEE AND GENERAL INFORMATION

20. Dates to Remember for June/July 2018 (Reference Material Included)

21. Carry-Over Pending Matters (Reference Material Included)

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 54956.96 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.
2. In accordance with Government Code Section 54956.9 to consult with legal counsel on a matter of potential litigation – (one matter).
3. In accordance with Government Code Section 54957 to review the General Manager's Employment Agreement.

REGULAR SESSION

REPORT ON CLOSED SESSION (Legal Counsel)

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

ADJOURNMENT

Recommended Action: The Board will be requested to take action adjourning today's Board meeting to **Thursday, July 26, 2018 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.

SCHEDULE 1-W

GENERAL METERED POTABLE WATER SERVICE

EL TORO WATER DISTRICT

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Schedule No. 1-W

GENERAL METERED POTABLE WATER SERVICE

Water Usage Charge: Applicable to all residential and potable irrigation metered water service.

Water use is charged on a Water-Budget Based Tiered Conservation Rate Structure. Water Budgets for each residential and potable irrigation customer includes an Indoor Budget and an Outdoor Budget

Budgets are based on the following:

Indoor Budget:

55 gallon/ person/ day * number of occupancies * number of days in the billing cycle/ 748 gallon per billing units plus approved variances.

Occupancy is assumed to be four residents for single family detached, three residents for attached unrestricted and two residents for attached and detached restricted residential communities. Occupancy adjustments will be made where warranted.

The calculation of the Indoor budget is subject to a Drought Factor as determined by the Board. The current Drought Factor is 1.0.

Outdoor Budget:

Landscape area* weather factor*efficiency factor/1200 per billing unit plus approved variances.

The calculation of the Outdoor budget is subject to a Drought Factor as determined by the Board. The current Drought Factor is 1.0.

The Indoor water budget, as determined above, will be billed at Tier I ("Indoor – Efficient") rates. The Outdoor water budget, as determined above, will be billed at Tier II ("Outdoor – Efficient") rates. Water use in excess of the Tier I and II water budget would be deemed inefficient and/or excessive. Tier III ("Inefficient") water use would be usage between 100% and 130% of the total Tier I and II water budget and Tier IV ("Excessive") usage would be consumption over Tier III.

Approved by Resolution 18-6-1

Effective 07/01/18

Approved by Resolution 17-6-1

Effective: 07/01/17

Approved by Resolution 16-6-2

Effective: 07/01/16

Approved by Resolution 15-7-1

Effective: 08/01/15

Approved by Resolution 14-6-2

Effective: 07/01/14

Approved by Resolution 13-6-2

Effective: 07/01/13

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Exhibit "A" to Resolution No. 187-6-1

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Effective July 1, 20187 Potable Water Usage Rates will be:

Tier I – Indoor - Efficient	\$2.52/CCF
Tier II – Outdoor - Efficient	\$2.91/CCF
Tier III – Inefficient	\$6.08/CCF
Tier IV – Excessive	\$7.82/CCF

Water Budget - Variance/Adjustment Process

Adjustments – Individual water budgets are primarily based on permanent residency (occupancy) and landscape irrigation area in square feet.

Occupancy - In general, residency is assumed to be as follows

- 1) Single Family – 4 permanent residence
- 2) Multi-family, unrestricted (including condo, trailer parks and townhomes)
– 3 permanent residence
- 3) Multi-family, restricted (restricted due to age limitations)
– 2 permanent residence, and
- 4) Multi-family, apartments – 2 permanent residence

Customers who believe their permanent occupancy differs from the above may request an adjustment to their occupancy factor. All adjustment requests must be in writing on forms provided by the District and signed by the customer (Account Holder.) The General Manager may require supporting documentation to support a claim for additional permanent occupants.

Request for additional permanent occupants will be granted based on criteria established by the General Manager.

Landscape Irrigation Area – Each customer's landscape irrigation area was established based on the county of Orange Assessor's parcel data, on-line parcel information, customer representations and/or independent measurements.

Customers who believe their landscape irrigation area is incorrect may request an adjustment. All adjustment requests must be in writing on forms provided by the District and signed by the customer (Account Holder.) The General Manager may require supporting documentation to support a claim for additional landscape irrigation area. Request for adjustments to landscape irrigation area will be granted based on criteria

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established by the General Manager.

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Variances – Water budgets have been developed using industry standards to provide all customers with the appropriate amount of water given then current hydrological conditions. If, for any reason a customer believes that their water budget is inadequate due to extenuating circumstances they may request a temporary or permanent variance for additional water. All variance requests must be in writing on forms provided by the District and signed by the customer (Account Holder.) The General Manager may require supporting documentation to support a claim for an increase in the water budget.

Request for temporary or permanent variances will be granted based on criteria established by the General Manager.

General - All requests for variance/adjustments must be in writing and signed by the customer (account holder). The District reserves the right to request additional documentation in support of the request. Approved variances/adjustments will become effective at the beginning of the billing period after approval, and will remain active for a period of 24 months, at which time the customer will be required to re-confirm the circumstances surrounding the original request.

The General Manager must act upon any completed application no later than ten (10) days after submittal and may approve, conditionally approve, or deny the request for variance/adjustment. The customer requesting the variance/adjustment must be promptly notified in writing of any action taken. The decision of the General Manager will be final.

Potable Water Usage Charge: Applicable to all commercial, institutional and industrial (CII) metered water service.

Effective July 1, 201~~8~~⁷, the uniform CII Potable Water Usage Rate will be \$2.89/CCF.

Water Operations & Maintenance (O&M) Charge

Effective July 1, 201~~8~~⁷, the Water O&M Charges are as follows:

	<u>Per Meter Per Month</u>
For 5/8 inch meter	\$ 11.80 ^{12.96}
For 3/4 inch meter	\$ 15.82 ^{17.37}
For 1 inch meter	\$ 23.85 ^{26.20}
For 1 ½ inch meter	\$ 43.92 ^{48.25}
For 2 inch meter	\$ 84.07 ^{92.36}

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Capital Replacement and Refurbishment (R&R) Charge – Water

Effective July 1, 201~~8~~⁷, the Capital R&R Charges - Water are as follows:

	Per Meter Per Month
For 5/8 x 3/4 inch meter	\$4.66
For 3/4 inch meter	\$4.66
For 1 inch meter	\$7.78
For 1 ½ inch meter	\$18.91
For 2 inch meter	\$47.47

The Water O&M Charge and the Capital R&R Charge are applicable to all active general metered water service, which is added to the charge for water used during the month computed at the Water Usage Charge.

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Schedule No. 1-W

SPECIAL PROVISIONS:

1. LIFE LINE RATE ASSISTANCE PROGRAM:

Customers providing the District with satisfactory evidence of having a household income of \$15,000 or less per calendar year may qualify for the Life Line Rate Assistance program. The Life Line Rate Assistance Program provides a waiver for the Water O&M Charge for qualified customers. In order to qualify, a customer must submit an application and Statement of Eligibility (Form 3/98 attached).

An approved application is valid for three years from the date of acceptance and is not automatically transferred or renewed.

The waiver will apply only to the customer's primary residence.

Proof of eligibility may be required.

2. NON-REGISTERING METERS:

The District may bill the customer for water consumed while the meter was non-registering. Billing will be based upon an estimate of the consumption according to the customer's prior use during the same season of the year, or upon an estimate based upon a reasonable comparison with the use of other customers during the same period receiving the same class of service under similar circumstances and conditions. Billing estimation will not exceed two consecutive billings.

3. RESIDENTIAL UNITS:

Termination of Service

1. The District may terminate service for non-payment of a delinquent account. In such event, at least 10 days prior to the proposed termination the District shall first give notice of the delinquency and impending termination by means of a notice mailed, postage prepaid, to the customer of record to whom service is billed not earlier than 19 days from the date of mailing of the District's bill for services, and the 10 day period shall not commence until 5 days after the mailing of the notice.

2. The District shall make a reasonable, good faith effort to contact an adult person residing on the premises of the customer by telephone or in person at least 48 hours prior to any termination of service except that whenever telephone or personal contact cannot be accomplished, the District shall give by mail or by posting in a conspicuous location at the premises, a notice of termination of service, at least 48 hours prior to termination.

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3. Every notice of termination of service pursuant to paragraph 1 above shall include all of the following information:

- (1) The name and address of the customer whose account is delinquent;
- (2) The amount of the delinquency;
- (3) The date by which payment or arrangements for payment is required in order to avoid termination;
- (4) The procedure by which the customer may initiate a complaint or request an investigation concerning service or charges;
- (5) The procedure by which the customer may request amortization of the unpaid charges;
- (6) The procedure for the customer to obtain information on the availability of financial assistance, including private, local, state or federal sources if applicable; and
- (7) The telephone number of a representative of the District who can provide additional information or institute arrangements for payment.

The District shall not terminate residential service for non-payment in any of the following situations:

1. During the pendency of an investigation by the District of a customer dispute or complaint.
2. When a customer has been granted an extension of the period for payment of a bill.
3. On the certification of a licensed physician that to do so would be life threatening to the customer and the customer is financially unable to pay for service within the normal payment period and is willing to enter into an amortization agreement with the District with respect to all charges that the customer is unable to pay prior to delinquency.

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Schedule No. 1-W

Payment Extension

Any residential customer who has initiated a complaint or requested an investigation within five days of receiving the disputed bill, or has within 13 days of the District's 10 day notice of termination made a request for extension of the payment period of a bill asserted to be beyond the means of a customer to pay in full during the normal period of payment, shall be given an opportunity for review of the complaint, investigation or request by General Manager of the District or their designee. The review shall include consideration of whether the customer shall be permitted to amortize the unpaid balance of the account over a reasonable period of time, not to exceed twelve months. No termination of service shall be effected for any customer complying with an amortization agreement, if the customer also keeps the account current as charges accrue in each subsequent billing period.

Any customer whose complaint or request for an investigation pursuant to these provisions has resulted in an adverse determination by the District may appeal the determination to the District's Board of Directors.

Any customer meeting the requirements of these provisions shall upon request, be permitted to amortize, over a period not to exceed 12 months, the unpaid balance of any bill asserted to be beyond the means of the customer to pay within the normal period for payment.

Termination of residential service may not be effected without compliance with these provisions and any service wrongfully terminated shall be restored without charges for the restoration of service. In addition, termination of service may not be effected on any Saturday, Sunday, legal holiday, or at any time during which the business offices of the District are not open to the public.

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EL TORO WATER DISTRICT

APPLICATION and STATEMENT of ELIGIBILITY For EL TORO WATER DISTRICT LIFE LINE RATE ASSISTANCE PROGRAM

1. APPLICATION INFORMATION: PLEASE PRINT

Your Name: _____
Last First Middle

Name as it appears on billing statement: _____
Last First Middle

Service Address: _____
Street City Zip Code

Telephone No: () _____ Number of Persons in the Household: _____

Your ETWD Account Number as shown on your billing statement: _____

2. SIGN APPLICATION:

By signing this application, I declare under penalty of perjury that I have read and understand my responsibilities if I am approved for the life line rate. I further declare that I do meet the qualifications for the lifeline income rate benefits that I have requested. I understand that if I move or become ineligible to receive the discount that I must notify ETWD immediately. I understand that I must renew my application for the discount each time I change residences. If I do not change residences, I must reapply every three years or sooner *as set forth in Schedule No. 1-W of the Rules and Regulations of the El Toro Water District*. I also understand that the discount applies only to one residence at any one time and that it must be my permanent residence. I understand that if I am approved for the discount, I will begin receiving it no more than one billing period after ETWD receives my completed application.

Applicant's Signature

Date

24251 Los Alisos Boulevard Lake Forest, CA 92630 (949) 837-7050 FAX (949) 837-7092 E-mail: district@etwd.com

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CUSTOMER APPLICATION DOMESTIC LIFE LINE RATE

Any customer of the El Toro Water District whose account is in his or her name and can provide to the District satisfactory evidence of having a household income of \$15,000 or less per year may request that the service charge of waived.

To find out what your combined income is add together the income for each person living with you. Sources of that income include, but are not limited to the following:

Social Security Benefits	\$ _____	Disability Benefits	\$ _____
Royalties & Rental Income	\$ _____	Interests & Dividends	\$ _____
Wages, Tips & Salary	\$ _____	Retirement Benefits	\$ _____
Unemployment Benefits	\$ _____	Cash Public Assistance	\$ _____
Veteran's Benefits	\$ _____	Food Stamps	\$ _____
TOTAL \$ _____			

REMEMBER only qualified customers can sign up for the program. When you fill out your application form, you will be signing a document under penalty of perjury that states you meet the qualifications. **WE MAY ASK YOU TO PROVIDE PROOF OF INCOME.** Proof of income includes but is not limited to copies of any of the following documents:

- State or Federal income tax returns
- Paycheck stubs
- W-2 or 1099 tax forms
- Copies of state and federal records proving income such as military pensions
- Social Security
- Other documents that would prove income levels

HOUSEHOLD MEMBERS

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SCHEDULE 1-S

GENERAL SEWER SERVICE

EL TORO WATER DISTRICT

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Schedule No. 1-S

GENERAL SEWER SERVICE

Applicability

Applicable to General Sewer Service.

Sewer Operations & Maintenance (O&M) Charge/Rates

Effective July 1, ~~2017~~2018, the sewer O&M Rates are as follows:

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<u>User Category</u>	<u>User Rate</u>	<u>Billing Unit</u>
Single Family Residential	\$23.63 24.30	\$/Month
Multi-Family Restricted	\$18.74 19.28	\$/Month
Multi-Family Unrestricted	\$22.28 22.92	\$/Month
Animal Kennel and Veterinary Hospital	\$3.88 3.99	\$/CCF
Car Wash	\$3.86 3.97	\$/CCF
Department and Retail store	\$3.88 3.99	\$/CCF
Dry Cleaner	\$3.40 3.50	\$/CCF
Golf Course/Camp/Park	\$3.39 3.49	\$/CCF
Health Spa	\$3.87 3.98	\$/CCF
Hospital and Convalescent Home	\$3.40 3.50	\$/CCF
Hotel	\$5.87 6.04	\$/CCF
Market	\$7.70 7.92	\$/CCF
Mortuary/Cemetery	\$7.67 7.89	\$/CCF
Nursery/Greenhouse	\$3.44 3.54	\$/CCF
Professional Office and Financial Institution	\$3.88 3.99	\$/CCF
Public Institution	\$3.82 3.93	\$/CCF
Repair Shop and Service Station	\$3.87 3.98	\$/CCF

Approved by Resolution No. 18-6-1	Effective 07/01/18
Approved by Resolution No. 17-6-1	Effective: 07/01/17
Approved by Resolution No. 16-6-2	Effective: 07/01/16
Approved by Resolution No. 15-7-1	Effective: 08/01/15
Approved by Resolution No. 14-6-2	Effective: 07/01/14
Approved by Resolution No. 13-6-2	Effective: 07/01/13
Approved by Resolution No. 12-6-3	Effective: 07/01/12
Approved by Resolution No. 11-6-3	Effective: 07/01/11
Approved by Resolution No. 10-6-2	Effective: 07/01/10

Exhibit "A" To Resolution No. ~~187~~-6-1

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Schedule No. 1-S

Sewer O&M Rates (Continued)

<u>User Category</u>	<u>User Rate</u>	<u>Billing Unit</u>
Restaurant	<u>\$3-663.77</u>	\$/CCF
School	<u>\$4-014.13</u>	\$/CCF
Theater	<u>\$3-883.99</u>	\$/CCF
Warehouse and Storage	<u>\$3-073.16</u>	\$/CCF
Basic Commercial	<u>\$3-403.50</u>	\$/CCF

Capital Replacement and Refurbishment (R&R) Charge – Sewer:

Effective July 1, 201~~8~~⁷, the Capital R&R - Sewer Charges are as follows:

<u>User Category</u>	<u>User Rate</u>	<u>Billing Unit</u>
Single Family Residential	\$4.93	\$/Month
Multi-Family Restricted	\$3.91	\$/Month
Multi-Family Unrestricted	\$4.65	\$/Month
Commercial:		
5/8" Meter	\$4.34	\$/Month
3/4" Meter	\$7.34	\$/Month
1" Meter	\$13.55	\$/Month
1-1/2 Meter	\$24.07	\$/Month
2" Meter	\$70.96	\$/Month
Public Authority:		
1" Meter	\$4.93	\$/Month
1-1/2 Meter	\$24.65	\$/Month
2" Meter	\$39.71	\$/Month

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Schedule No. 1-S

Associations, Apartments, Condominiums, and other Multiple Residences

When more than one residential dwelling unit is connected to the system by single service connections (meter), the rates per residential dwelling unit, as set forth above, shall be due and payable for each and every living or dwelling unit connected to the system.

Restricted Multi-Family Residences are residences within developments, which shall, pursuant to recorded restrictions or leases, be occupied only by adults.

Unrestricted Multi-Family Residences are all residences other than Restricted Family Residences.

SCHEDULE 3-S

RECYCLED WATER SALES & SERVICE

EL TORO WATER DISTRICT

RULES AND REGULATIONS

Schedule 3-S

RECYCLED WATER SALES & SERVICE

Approved by Resolution No. 18-6-1	Effective 07/01/18
Approved by Resolution No. 17-6-1	Effective 07/01/17
Approved by Resolution No. 16-6-2	Effective 07/01/16
Approved by Resolution No. 15-7-1	Effective 8/01/15
Approved by Resolution No. 14-6-2	Effective 7/01/14
Approved by Resolution No. 14-3-1	Effective 3/27/14
Approved by Resolution No. 13-6-2	Effective 07/01/13
Approved by Resolution No. 12-6-3	Effective 07/01/12
Approved by Resolution No. 09-6-2	Effective 07/01/09

Exhibit A to Resolution No. 18-6-1

EL TORO WATER DISTRICT

Schedule No. 3-S

RECYCLED WATER SALES & SERVICE

Recycled Water Usage Rates

Effective July 1, 201~~8~~⁷ the Recycled Water Usage Rate will be \$2.62/CCF.

Recycled Water Operations & Maintenance (O&M) Charge

Effective July 1, 201~~7~~²⁰¹⁸, the Water O&M Charges are as follows:

	<u>Per Meter</u> <u>Per Month</u>
For 5/8 inch meter	\$ 11.80 <u>12.96</u>
For 3/4 inch meter	\$ 15.82 <u>17.37</u>
For 1 inch meter	\$ 23.85 <u>26.20</u>
For 1 ½ inch meter	\$ 43.92 <u>48.25</u>
For 2 inch meter	\$ 84.07 <u>92.36</u>

Capital Replacement and Refurbishment (R&R) Charge –Recycled Water

Effective July 1, 201~~8~~⁷, the Capital R&R Charges –Recycled Water are as follows:

	Per Meter Per Month
For 5/8 x 3/4 inch meter	\$4.66
For 3/4 inch meter	\$4.66
For 1 inch meter	\$7.78
For 1 1/2 inch meter	\$18.91
For 2 inch meter	\$47.47

The Recycled Water O&M Charge and the Capital R&R Charge are applicable to all active general metered Recycled Water service, which is added to the charge for Recycled Water used during the month computed at the Recycled Water Usage Rate.

SCHEDULE 4-W

PRIVATE FIRE PROTECTION SERVICE

EL TORO WATER DISTRICT

Page 1 of 2

Schedule No. 4-W

PRIVATE FIRE PROTECTION SERVICE

Applicability

Applicable to water service rendered for privately owned fire protection systems other than to fire hydrants on private property.

Effective July 1, 2018 the Private Fire Protection Service will be:

RATES

Per Meter
Per Month

For each inch of service connection

\$7.678.43

SPECIAL CONDITIONS

1. The fire protection service connection will be installed at the expense of the applicant.
2. The minimum diameter for fire protection service will be four inches, and the maximum diameter will not be more than the diameter of the main to which the service is connected.
3. If a distribution main of adequate size to serve a private fire protection system, in addition to all other normal services, does not exist in the street or alley adjacent to the premises to be served, then a service main from the nearest existing main of adequate capacity will be installed at the expense of the applicant.

Approved by Resolution No. 18-6-1

Effective 07/01/18

Approved by Resolution No. 16-6-2

Effective: 7/01/16

Approved by Resolution No. 03-9-1

Effective: 10/1/03

Supersedes Resolution No. 94-6-3

~~Supersedes Resolution No. 83-12-3~~

Exhibit A to Resolution No. ~~16-6-2~~18-6-1

EL TORO WATER DISTRICT

Page 2 of 2

Schedule No. 4-W (Continued)

4. The customer's installation must be such as to effectively separate the fire protection system from that of the customer's regular water service.
5. As part of the Fire Protection Service installation, there shall be a detector check or other similar device acceptable to the District, which will indicate and/or accurately measure the water flow. Water deliveries to the privately owned fire protection system shall be utilized strictly for fire protection purposes. Unauthorized uses include, but are not limited to construction, domestic, and landscape uses and water flow resulting from pipeline failures within the private fire protection system. Any unauthorized uses will be charged pursuant to the rates contained in Schedule 1-W of the District's Rules and Regulations, and/or may be grounds for the District to discontinue the Fire Protection Service without liability to the District.
6. There shall be no cross connection between the Fire Protection System supplied with water through the District's Fire Protection Service to any other source of supply without the specific approval of the District. This specific approval will require, at the customer's expenses, a special double check valve installation or other device acceptable to the District. Any such unauthorized cross connection may be grounds for immediate disconnection of the Fire Protection Service without liability to the District.

shots and working up to date. 1800.00 Starlight's Running Bear is mentioned in field trial news as one of the top ten field trial dogs for 2017. He is a ribbon winning machine he has qualified for the Nationals 3 years running a great young dog with a bright future. The Darn Cornerstone's Faith is a great hunting dog out of great hunt test and field trial bloodlines she was easy to train and her last litter has done well in training and in the hunt test. Don't miss your opportunity to own a world-class trial dog or a great hunting dog and family member. CALL 909-289-3351 for an appointment.

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Cherry Tree
Irvine 92620

Newport Beach

KAREEM ABDUL-JABBAR PRIVATE OFFICE COLLECTIBLES MOVING SALE

Mon. 6/18, Tues. 6/19 & Wed. 6/20
11am - 4pm

The Private Office of Kareem Abdul-Jabbar is moving and will be having a BLOWOUT SALE:

Custom Sit-Stand Desks, Various Sports, Memorabilia & Collectibles, Autographed Basketballs, Jerseys & Shoes.

20101 SW Birch Street Suite 210, Newport Beach

(Accepting Cash & Credit Cards/NO CHECKS)

Westminster Huge Neighborhood Garage Sale, Sat. June 23, 7a-12p Westminster Blvd/ Bolsa Chica St/ Vallecito Dr/ University St. Sponsored By: Camilla Nystrom

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BUSINESS • HEALTH

Public Notices

Call 714-796-2209
Fax 714-796-2230
www.ocregister.com

ORDER TO SHOW CAUSE FOR CHANGE OF NAME

CASE NO: 30-2018-00997143-CU-PT-CJC

TO ALL INTERESTED PERSONS:

Petitioner Zachary Ryan Zaldivor, filed a petition with this court for a decree changing names as follows:

PRESENT NAME: Zachary Ryan Zaldivor

PROPOSED NAME: Zachary Zaldivor Haggerty

THE COURT ORDERS that all persons interested in this matter appear before this court at the hearing indicated below to show cause, if any, why the petition for change of name should not be granted. Any person objecting to the name changes described above must file a written objection that includes the reasons for the objection at least two court days before the matter is scheduled to be heard and must appear at the hearing to show cause why the petition should not be granted. If no written objection is timely filed, the court may grant the petition without a hearing.

NOTICE OF HEARING
Date: 08/01/2018
Time: 8:30 am
Dept. D100 Window 44
The address of the court is
700 Civic Center Drive West
Santa Ana, CA 92701
A copy of this Order to Show Cause shall be published at least once each week for four successive weeks prior to the date set for hearing in the following newspaper of general circulation, printed in this county: Orange County Register
Date: 06/05/2018
JUDGE ROBERT J. MOSS
Judge of the Superior Court
Publish: Orange County Register
June 13, 20, 27, July 4, 2018 11133193

City of Villa Park

Published: The Orange County Register June 20, 2018 11136104

NOTICE OF PUBLIC HEARING AND PROTEST PROCEEDING

The Governing Board of the El Toro Water District (the "District") will conduct a public hearing on June 28, 2018 at 7:30 a.m. in the Board Room of its Administrative Office located at 24251 Los Alisos Blvd., Lake Forest, CA 92630. The purpose of the hearing will be to consider adoption of proposed increases to the Water, Sewer, and Recycled Water Operations and Maintenance Charges and the Private Fire Protection Service Rate. Property (parcel) owners may comment and may file a written protest (one vote per parcel owned) on the proposed increases. California law prohibits the District from increasing rates, fees and charges if a majority of the affected property (parcel) owners, file a written protest opposing the proposed increases before the end of the public hearing. Written protests must be submitted to the District at P.O. Box 4000, Laguna Hills, CA 92654 or personally submitted on or before the end of the public hearing, which is scheduled for 7:30 a.m. on June 28, 2018. Each protest must identify the affected property (parcel) and include the signature of the record property (parcel) owner. Email protests will not be accepted. Oral protests at the public hearing will not qualify as a protest, unless accompanied by a written protest. The District's Board of Directors welcomes input from the public during the public hearing.

Copies of the proposed rates, fees and charges and data indicating the amount of cost, or estimated cost, required to provide the service for which the rates, fees and charges are levied and the revenue sources anticipated to provide the service, including general fund revenues and reserves, are available for public inspection at the District's Administrative Offices and on the District's website (www.etwd.com) (Raffel's Cost of Service Study-April 16, 2018 and Proposition 218 Notice).

Questions concerning this matter should be referred to Robert R. Hill, General Manager, at (949) 837-7050.

Publish: June 13, 20, 2018

Robert R. Hill
General Manager

Orange County Register 11132176

PUBLIC NOTICE NOTICE OF REQUEST FOR PROPOSALS

Notice is hereby given that the Orange County Superintendent of Schools, hereinafter referred to as District, will receive sealed proposals up to but not later than 11:00:00 A.M.PST on the 28th day of June, 2018, at the Orange County Superintendent of Schools, Purchasing & Contracts Department, 200 Kalmus Drive, Building A, Costa Mesa, California 92626.

At this time, date, and place, proposals will be publicly opened and read aloud for the following:

Request for Proposal (RFP) Number: 17-10

OFF-SITE PRINTING

CONTACT: Patricia McCaughey, pmccaughey@ocde.us

Any proposal received after the stated time and date will not be considered. Proposals submitted and participation by interested proposers in the process shall be at no cost or obligation to District. No proposer may withdraw its proposal for a period of ninety (90) calendar days after the date set for the opening of the proposals. Each proposal must conform and be responsive to this Notice of Request for Proposals.

Interested firms responding to this RFP are to include all costs for labor, materials, equipment and all other expenses required to accomplish the services required. The District reserves the right to reject any or all proposals and not necessarily accept the lowest bid price submitted, and to waive any irregularities or informalities in any proposal. The right is also reserved by the District to select the Proposer which in his/her opinion will best serve the needs of the District.

Any technical or procedural questions concerning the services requested in this RFP should be directed to Patricia McCaughey at pmccaughey@ocde.us. Request for information (RFI) must be received no later than 2:00:00 p.m.PST on June 25, 2018. Any clarifications resulting from questions will be distributed to all firms receiving an RFP packet.

By: Patricia McCaughey
Administrator, Business Operations

Date Published: June 13, 2018
Date Published: June 20, 2018

Publish: Orange County Register 11134220

file in California law.

YOU MAY EXAMINE the file kept b court. If you are a person interested in file, you may file with the court a Reque Special Notice (form DE-154) of the fil an inventory and appraisal of estate ass of any petition or account as provided in bate Code section 1250. A Request for S Notice form is available from the court cl Attorney for Petitioner:

Denise Tirrell
7700 Irvine Center Drive, Suite 800
Irvine, CA 92618
(949) 407-9924

Publish: OC Register
June 13, 14, 20, 2018 11134290

NOTICE OF PETITION TO ADMINISTER ESTATE OF: LUCILLE L. ANDREWS AKA LUCILLE LEE ANDREWS

CASE NO. 30-2018-00999047-PR-LA-CJC
To all heirs, beneficiaries, creditors, agent creditors, and persons who may wise be interested in the WILL or esta both of LUCILLE L. ANDREWS AKA CILLE LEE ANDREWS.

A PETITION FOR PROBATE has been by ELLEN D. GIFFORD in the Sur Court of California, County of ORANGE.

THE PETITION FOR PROBATE rec that ELLEN D. GIFFORD be appoint personal representative to administer t ate of the decedent.

THE PETITION requests authority to a ister the estate under the Independent A istration of Estates Act . (This authori allow the personal representative to many actions without obtaining court c val. Before taking certain very importa tions, however, the personal represen will be required to give notice to inter persons unless they have waived noti consented to the proposed action.) The pendent administration authority wi granted unless an interested person fil objection to the petition and shows good why the court should not grant the author A HEARING on the petition will be h this court as follows: 07/05/18 at 2:00P Dept. C-8 located at 700 CIVIC CEI DRIVE WEST, SANTA ANA, CA 92701

IF YOU OBJECT to the granting of the tion, you should appear at the hearin state your objections or file written obe with the court before the hearing. Yo pearance may be in person or by your ney.

IF YOU ARE A CREDITOR or a conti creditor of the decedent, you must file claim with the court and mail a copy personal representative appointed b court within the later of either (1) months from the date of first issuance, ters to a general personal representati defined in section 58(b) of the Californi bate Code, or (2) 60 days from the d mailing or personal delivery to you of a under section 9052 of the California P Code.

Other California statutes and legal au may affect your rights as a creditor. Yo want to consult with an attorney knowl ble in California law.

YOU MAY EXAMINE the file kept I court. If you are a person interested in file, you may file with the court a Reque Special Notice (form DE-154) of the fil an inventory and appraisal of estate ass of any petition or account as provided i bate Code section 1250. A Request for S Notice form is available from the court c Attorney for Petitioner

WILFRID C. LEMANN - SBN 80306
FULLERTON LEMANN SCHAEFE
DOMINICK LLP

215 N. D STREET, FIRST FLOOR
SAN BERNARDINO CA 92401-1712
6/19, 6/20, 6/26/18
CNS-3144434#

THE REGISTER 11136269

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THE ORANGE COUNTY REGISTER

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2922 Hidden Valley
Villa Park, CA 92861
Full Name of Registrant(s)
1. Guy De Beauvrières
9292 Hidden Valley
Villa Park, CA 92861
This business is conducted by an individual.
The Registrant commenced to transact business under the fictitious business name or names listed above on:
N/A
/s/ Guy De Beauvrières
This statement was filed with the County Clerk of Orange County on 06/11/2018.
Publish: Orange County Register
June 13, 20, 27, July 4, 2018 11134440

FICTITIOUS BUSINESS NAME STATEMENT

The following person(s) is (are) doing business as:

TEAM KIW
840 NEWPORT CENTER DR
NEWPORT BEACH, CA 92660-9266

Full name of Registrant:
1. MARCUS GUALTER
840 NEWPORT CENTER DR
NEWPORT BEACH, CA 92660-9266
This business is conducted by an individual.
The Registrant commenced to transact business under the Fictitious Business Name or Names listed above on:
N/A
/s/ Marcus Gualter
This statement was filed with the County Clerk of Orange County on 4/23/2018.
Publish: The Orange County Register
May 23, 30, June 6, 13, 2018
11118815

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700 Civic Center Drive
West
Santa Ana, CA 92701
A copy of this Order to Show Cause shall be published at least once each week for four successive weeks prior to the date set for hearing on the petition in the following newspaper of general circulation, printed in this county:
Orange County Register
Date: 06/05/2018
JUDGE ROBERT J. MOSS
Judge of the Superior Court
Publish: Orange County Register
June 13, 20, 27, July 4, 2018 11133193

NOTICE OF PUBLIC HEARING AND PROTEST PROCEEDING

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Copies of the proposed rates, fees and charges and data indicating the amount of cost, or estimated cost, required to provide the service for which the rates, fees and charges are levied and the revenue sources anticipated to provide the service, including general fund revenues and reserves, are available for public inspection at the District's Administrative Offices and on the District's website (www.elwd.com) (Rafetis Cost of Service Study-April 16, 2018 and Proposition 218 Notice).

Questions concerning this matter should be referred to Robert R. Hill, General Manager, at (949) 837-7050.

Publish: June 13, 20, 2018

Robert R. Hill
General Manager

Orange County Register 11132176

PUBLIC NOTICE NOTICE OF REQUEST FOR PROPOSALS

Notice is hereby given that the Orange County Superintendent of Schools, hereinafter referred to as District, will receive sealed proposals up to but not later than 11:00:00 A.M. PST on the 28th day of June, 2018, at the Orange County Superintendent of Schools, Purchasing & Contracts Department, 200 Kalmus Drive, Building A, Costa Mesa, California 92626.

At this time, date, and place, proposals will be publicly opened and read aloud for the following:

Request for Proposal (RFP) Number: 17-10

OFF-SITE PRINTING

CONTACT: Patricia McCaughey, pmccaughey@ocde.us

Any proposal received after the stated time and date will not be considered. Proposals submitted and participation by interested proposers in the process shall be at no cost or obligation to District. No proposer may withdraw its proposal for a period of ninety (90) calendar days after the date set for the opening of the proposals. Each proposal must conform and be responsive to this Notice of Request for Proposals.

Interested firms responding to this RFP are to include all costs for labor, materials, equipment and all other expenses required to accomplish the services required. The District reserves the right to reject any or all proposals and not necessarily accept the lowest bid price submitted, and to waive any irregularities or informalities in any proposal. The right is also reserved by the District to select the Proposer which in his/her opinion will best serve the needs of the District.

Any technical or procedural questions concerning the services requested in this RFP should be directed to Patricia McCaughey at pmccaughey@ocde.us. Request for information (RFI) must be received no later than 2:00:00 p.m. PST on June 25, 2018. Any clarifications resulting from questions will be distributed to all firms receiving an RFP packet.

By: Patricia McCaughey
Administrator, Business Operations

Date Published: June 13, 2018
Date Published: June 20, 2018

Publish: Orange County Register 11134220

NOTICE OF PETITION TO ADMINISTER ESTATE OF SALLY R. PHILLIPS aka SALLY RAE PHILLIPS Case No. 30-2018-00990380-PR-LA-CJC

To all heirs, beneficiaries, creditors, contingent creditors, and persons who may otherwise be interested in the will or estate, or both, of SALLY R. PHILLIPS aka SALLY RAE PHILLIPS

A PETITION FOR PROBATE has been filed by Jeffrey G. Phillips in the Superior Court of California, County of ORANGE.

THE PETITION FOR PROBATE requests that Jeffrey G. Phillips be appointed as personal representative to administer the estate of the decedent.

THE PETITION requests the decedent's will and codicils, if any, be admitted to probate. The will and any codicils are available for examination in the file kept by the court.

THE PETITION requests authority to administer the estate under the Independent Administration of Estates Act. (This authority will allow the personal representative to take many actions without obtaining court approval. Before taking certain very important actions, however, the personal representative will be required to give notice to interested persons unless they have waived notice or consented to the proposed action.) The independent administration authority will be granted unless an interested person files an objection to the petition and shows good cause why the court should not grant the authority. A HEARING on the petition will be held on July 26, 2018 at 2:00 PM in Dept. No. C08 located at 700 CIVIC CENTER DRIVE W, SANTA ANA CA 92701.

IF YOU OBJECT to the granting of the petition, you should appear at the hearing and state your objections or file written objections with the court before the hearing. Your appearance may be in person or by your attorney.

IF YOU ARE A CREDITOR or a contingent creditor of the decedent, you must file your claim with the court and mail a copy to the personal representative appointed by the court within the later of either (1) four months from the date of first issuance of letters to a general personal representative, as defined in section 58(b) of the California Probate Code, or (2) 60 days from the date of mailing or personal delivery to you of a notice under section 9052 of the California Probate Code.

Other California statutes and legal authority may affect your rights as a creditor. You may want to consult with an attorney knowledgeable in California law.

YOU MAY EXAMINE the file kept by the court. If you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk.

Attorney for petitioner:
MARK A ZIEBOLD ESQ
SBN 227950
ZIEBOLD LAW GROUP
9870 RESEARCH DRIVE
STE 209
IRVINE CA 92618
CN950021 PHILLIPS Jun 12,13,19, 2018
Publish: Orange County Register 11133303

NOTICE OF PUBLIC

NOTICE TO THE GENERAL PUBLIC

CERTAIN PROPERTY OF THE CAP

(Property located east of the District's Nigai intersection of Paseo de Colinas and

Pursuant to the provisions of Education Code Capistrano Unified School District has adopted interest in certain property consisting of a portion of the District's Niguel Hills Middle School Colinas and Del Cerro, in the City of Laguna "Parcel 1" as the result of a lot line adjustment includes a portion of Assessor Parcel No. 1 vacant undeveloped property is zoned for dwelling units total. The zoning also includes Parcel 1 also includes Public/Institution (PI).

Pursuant to Education Code section 17469, the Property to the general public at a public meeting in the District Office Board Room located at 33122 Valle Rd, San Juan Capistrano, CA 92675. The meeting shall submit a bid proposal on a form supplied by the Reception Desk, 33122 Valle Rd, San Juan Deputy Superintendent, Business and Support

All inquiries or request for bid forms and price

Atkinson, Andelson, Loya, Ruud & Romo
Attorneys for Capistrano Unified School District
12800 Center Court Drive, Suite 300
Cerritos, CA 90703
Tel: (562) 653-3460

Publish: Orange County Register May 30

NEWSPAPER CARRIERS NEEDED

Early A.M., 7 Days a week, 1-3 hrs
License, Insurance, Soc Sec or ITIN, and Vehicle
Beaumont, Banning, Hemet, San Jacinto
951-533-8853

Alta Loma, Chino, Fontana, Rancho Cucamonga,
Ontario, Montclair
626-262-2735

Pomona, Chino Hills
626-533-4391

Riverside, Moreno Valley, Jurupa Valley,
Corona, Norco, Eastvale, Perris
951-529-1326

San Bernardino, Redlands,
Loma Linda, Yucaipa
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South Bay, Los Angeles, Long Beach, SF Valley
310-405-1640

Temecula, Murrieta, Winchester,
Sun City, Menifee & Lake Elsinore
951-541-1679

No sales or collecting involved • Very limited number of opportunities available

RESOLUTION NO. 18-6-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
EL TORO WATER DISTRICT
APPROVING AN AMENDMENT TO THE DISTRICT'S
RULES AND REGULATIONS WHICH AMENDMENT
1) PROVIDES FOR AN INCREASE TO
CERTAIN WATER, SEWER AND RECYCLED WATER RATES AND CHARGES,
AND 2) MAKES FINDINGS AND DETERMINATIONS THAT THE ACTION
TAKEN IN THIS RESOLUTION IS EXEMPT FROM THE REQUIREMENTS OF
THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)
(PUBLIC HEARING – JUNE 28, 2018)

WHEREAS, the Board of Directors of the El Toro Water District ("District") at a Special Board Meeting on April 19, 2018, by applicable minute orders (motions) approved (1) the 2018/19 Operations/Capital Budget, (2) the 2018 Water, Sewer And Recycled Water Cost of Service Study Report ("Rate Study"), Final Report dated April 16, 2018, prepared by Raftelis Financial Consultants, Inc. ("Raftelis"), (3) the 45 day Proposition 218 Notice which set forth proposed increases to certain rates and charges and (4) established June 28, 2018 for the required Public Hearing to consider adoption of the proposed increases to certain rates and charges; and

WHEREAS, on June 13, 2018 and again on June 20, 2018, the District published notice of today's Public Hearing in the Orange County Register; and

WHEREAS, the Board of Directors of the El Toro Water District has today held a public hearing pursuant to the procedural requirements of Proposition 218; and

WHEREAS, the purpose of today's hearing is to determine whether there is sufficient written protest so as to preclude the adoption of the proposed water, sewer and recycled water rates and charges; and

WHEREAS, during today's public hearing, public comments were received and written protests were tabulated; and

WHEREAS, the Board of Directors has today carefully reviewed and considered the proposed increases to the Potable Water Usage Tiered Rates, the Recycled Water Usage Rate, and the Water, Sewer, and Recycled Water Operations and Maintenance Charges;

NOW, THEREFORE BE IT RESOLVED, as follows:

1. RESOLVED, that the findings and determinations set forth in the 2018 Water, Sewer and Recycled Water Cost of Service Study Report dated April 16, 2018 prepared by Raftelis Financial Consultants, Inc. ("Rate Study") are hereby approved, ratified and confirmed.

Said Rate Study is incorporated herein by this reference as though set forth in full and made a part of this Resolution.

2. RESOLVED FURTHER, that there were not sufficient written protests so as to preclude the adoption of the proposed increases to certain water, sewer and recycled water rates and charges as set forth and reflected in Schedules 1-W, 1-S, 3-S, and 4-W of the District's proposed amended Rules and Regulations, which are attached hereto marked Exhibit "A" and made a part of this Resolution; and

3. RESOLVED FURTHER, that the proposed amendment to the District's Rules and Regulations, and the proposed increases to certain water, sewer and recycled water rates and charges as set forth and reflected in Schedules 1-W, 1-S, 3-S, and 4-W of said Rules and Regulations which are attached hereto marked Exhibit "A" and made a part of this Resolution, are hereby adopted effective July 1, 2018; and

4. RESOLVED FURTHER, that the action taken herein is exempt from the requirements of the California Environmental Quality Act (CEQA). Reference: Section 21080 of the Public Resources Code and Section 3.10 of the District's Local Guidelines for Implementation of CEQA.

ADOPTED, SIGNED AND APPROVED this 28th day of June, 2018.

Roll Call Vote:

President Goldman _____
Director Vergara _____
Director Adjarian _____
Director Monin _____

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

(SEAL)

ATTEST:

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

EL TORO WATER DISTRICT

Page 1 of 3

Schedule No. 1-S

GENERAL SEWER SERVICE

Applicability

Applicable to General Sewer Service.

Sewer Operations & Maintenance (O&M) Charge/Rates

Effective July 1, 2018, the sewer O&M Rates are as follows:

<u>User Category</u>	<u>User Rate</u>	<u>Billing Unit</u>
Single Family Residential	\$24.30	\$/Month
Multi-Family Restricted	\$19.28	\$/Month
Multi-Family Unrestricted	\$22.92	\$/Month
Animal Kennel and Veterinary Hospital	\$3.99	\$/CCF
Car Wash	\$3.97	\$/CCF
Department and Retail store	\$3.99	\$/CCF
Dry Cleaner	\$3.50	\$/CCF
Golf Course/Camp/Park	\$3.49	\$/CCF
Health Spa	\$3.98	\$/CCF
Hospital and Convalescent Home	\$3.50	\$/CCF
Hotel	\$6.04	\$/CCF
Market	\$7.92	\$/CCF
Mortuary/Cemetery	\$7.89	\$/CCF
Nursery/Greenhouse	\$3.54	\$/CCF
Professional Office and Financial Institution	\$3.99	\$/CCF
Public Institution	\$3.93	\$/CCF
Repair Shop and Service Station	\$3.98	\$/CCF
Approved by Resolution No. 18-6-1	Effective 07/01/18	
Approved by Resolution No. 17-6-1	Effective: 07/01/17	
Approved by Resolution No. 16-6-2	Effective: 07/01/16	
Approved by Resolution No. 15-7-1	Effective: 08/01/15	
Approved by Resolution No. 14-6-2	Effective: 07/01/14	
Approved by Resolution No. 13-6-2	Effective: 07/01/13	
Approved by Resolution No. 12-6-3	Effective: 07/01/12	
Approved by Resolution No. 11-6-3	Effective: 07/01/11	

Exhibit "A" To Resolution No. 18-6-1

EL TORO WATER DISTRICT

Page 2 of 3

Schedule No. 1-S

Sewer O&M Rates (Continued)

<u>User Category</u>	<u>User Rate</u>	<u>Billing Unit</u>
Restaurant	\$3.77	\$/CCF
School	\$4.13	\$/CCF
Theater	\$3.99	\$/CCF
Warehouse and Storage	\$3.16	\$/CCF
Basic Commercial	\$3.50	\$/CCF

Capital Replacement and Refurbishment (R&R) Charge – Sewer:

Effective July 1, 2018, the Capital R&R - Sewer Charges are as follows:

<u>User Category</u>	<u>User Rate</u>	<u>Billing Unit</u>
Single Family Residential	\$4.93	\$/Month
Multi-Family Restricted	\$3.91	\$/Month
Multi-Family Unrestricted	\$4.65	\$/Month
Commercial:		
5/8" Meter	\$4.34	\$/Month
3/4" Meter	\$7.34	\$/Month
1" Meter	\$13.55	\$/Month
1-1/2 Meter	\$24.07	\$/Month
2" Meter	\$70.96	\$/Month
Public Authority:		
1" Meter	\$4.93	\$/Month
1-1/2 Meter	\$24.65	\$/Month
2" Meter	\$39.71	\$/Month

Schedule No. 1-S**Associations, Apartments, Condominiums, and other Multiple Residences**

When more than one residential dwelling unit is connected to the system by single service connections (meter), the rates per residential dwelling unit, as set forth above, shall be due and payable for each and every living or dwelling unit connected to the system.

Restricted Multi-Family Residences are residences within developments, which shall, pursuant to recorded restrictions or leases, be occupied only by adults.

Unrestricted Multi-Family Residences are all residences other than Restricted Family Residences.

EL TORO WATER DISTRICT

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Schedule No. 1-W

GENERAL METERED POTABLE WATER SERVICE

Water Usage Charge: Applicable to all residential and potable irrigation metered water service.

Water use is charged on a Water-Budget Based Tiered Conservation Rate Structure. Water Budgets for each residential and potable irrigation customer includes an Indoor Budget and an Outdoor Budget

Budgets are based on the following:

Indoor Budget:

55 gallon/ person/ day * number of occupancies * number of days in the billing cycle/ 748 gallon per billing units plus approved variances.

Occupancy is assumed to be four residents for single family detached, three residents for attached unrestricted and two residents for attached and detached restricted residential communities. Occupancy adjustments will be made where warranted.

The calculation of the Indoor budget is subject to a Drought Factor as determined by the Board. The current Drought Factor is 1.0.

Outdoor Budget:

Landscape area* weather factor*efficiency factor/1200 per billing unit plus approved variances.

The calculation of the Outdoor budget is subject to a Drought Factor as determined by the Board. The current Drought Factor is 1.0.

The Indoor water budget, as determined above, will be billed at Tier I ("Indoor – Efficient") rates. The Outdoor water budget, as determined above, will be billed at Tier II ("Outdoor – Efficient") rates. Water use in excess of the Tier I and II water budget would be deemed inefficient and/or excessive. Tier III ("Inefficient") water use would be usage between 100% and 130% of the total Tier I and II water budget and Tier IV ("Excessive") usage would be consumption over Tier III.

Approved by Resolution 18-6-1
Approved by Resolution 17-6-1
Approved by Resolution 16-6-2
Approved by Resolution 15-7-1
Approved by Resolution 14-6-2

Effective 07/01/18
Effective: 07/01/17
Effective: 07/01/16
Effective: 08/01/15
Effective: 07/01/14

Exhibit "A" to Resolution No. 18-6-1

EL TORO WATER DISTRICT

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Effective July 1, 2018 Potable Water Usage Rates will be:

Tier I – Indoor - Efficient	\$2.52/CCF
Tier II – Outdoor - Efficient	\$2.91/CCF
Tier III – Inefficient	\$6.08/CCF
Tier IV – Excessive	\$7.82/CCF

Water Budget - Variance/Adjustment Process

Adjustments – Individual water budgets are primarily based on permanent residency (occupancy) and landscape irrigation area in square feet.

Occupancy - In general, residency is assumed to be as follows

- 1) Single Family – 4 permanent residence
- 2) Multi-family, unrestricted (including condo, trailer parks and townhomes)
- 3 permanent residence
- 3) Multi-family, restricted (restricted due to age limitations)
– 2 permanent residence, and
- 4) Multi-family, apartments – 2 permanent residence

Customers who believe their permanent occupancy differs from the above may request an adjustment to their occupancy factor. All adjustment requests must be in writing on forms provided by the District and signed by the customer (Account Holder.) The General Manager may require supporting documentation to support a claim for additional permanent occupants.

Request for additional permanent occupants will be granted based on criteria established by the General Manager.

Landscape Irrigation Area – Each customer's landscape irrigation area was established based on the county of Orange Assessor's parcel data, on-line parcel information, customer representations and/or independent measurements.

Customers who believe their landscape irrigation area is incorrect may request an adjustment. All adjustment requests must be in writing on forms provided by the District and signed by the customer (Account Holder.) The General Manager may require supporting documentation to support a claim for additional landscape irrigation area. Request for adjustments to landscape irrigation area will be granted based on criteria established by the General Manager.

EL TORO WATER DISTRICT

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Variances – Water budgets have been developed using industry standards to provide all customers with the appropriate amount of water given then current hydrological conditions. If, for any reason a customer believes that their water budget is inadequate due to extenuating circumstances they may request a temporary or permanent variance for additional water. All variance requests must be in writing on forms provided by the District and signed by the customer (Account Holder.) The General Manager may require supporting documentation to support a claim for an increase in the water budget.

Request for temporary or permanent variances will be granted based on criteria established by the General Manager.

General - All requests for variance/adjustments must be in writing and signed by the customer (account holder). The District reserves the right to request additional documentation in support of the request. Approved variances/adjustments will become effective at the beginning of the billing period after approval, and will remain active for a period of 24 months, at which time the customer will be required to re-confirm the circumstances surrounding the original request.

The General Manager must act upon any completed application no later than ten (10) days after submittal and may approve, conditionally approve, or deny the request for variance/adjustment. The customer requesting the variance/adjustment must be promptly notified in writing of any action taken. The decision of the General Manager will be final.

Potable Water Usage Charge: Applicable to all commercial, institutional and industrial (CII) metered water service.

Effective July 1, 2018, the uniform CII Potable Water Usage Rate will be \$2.89/CCF.

Water Operations & Maintenance (O&M) Charge

Effective July 1, 2018 , the Water O&M Charges are as follows:

	<u>Per Meter Per Month</u>
For 5/8 inch meter	\$12.96
For 3/4 inch meter	\$17.37
For 1 inch meter	\$26.20
For 1 ½ inch meter	\$48.25
For 2 inch meter	\$92.36

EL TORO WATER DISTRICT

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Capital Replacement and Refurbishment (R&R) Charge – Water

Effective July 1, 2018, the Capital R&R Charges - Water are as follows:

	Per Meter Per Month
For 5/8 x 3/4 inch meter	\$4.66
For 3/4 inch meter	\$4.66
For 1 inch meter	\$7.78
For 1 ½ inch meter	\$18.91
For 2 inch meter	\$47.47

The Water O&M Charge and the Capital R&R Charge are applicable to all active general metered water service, which is added to the charge for water used during the month computed at the Water Usage Charge.

EL TORO WATER DISTRICT

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Schedule No. 1-W

SPECIAL PROVISIONS:

1. LIFE LINE RATE ASSISTANCE PROGRAM:

Customers providing the District with satisfactory evidence of having a household income of \$15,000 or less per calendar year may qualify for the Life Line Rate Assistance program. The Life Line Rate Assistance Program provides a waiver for the Water O&M Charge for qualified customers. In order to qualify, a customer must submit an application and Statement of Eligibility (Form 3/98 attached).

An approved application is valid for three years from the date of acceptance and is not automatically transferred or renewed.

The waiver will apply only to the customer's primary residence.

Proof of eligibility may be required.

2. NON-REGISTERING METERS:

The District may bill the customer for water consumed while the meter was non-registering. Billing will be based upon an estimate of the consumption according to the customer's prior use during the same season of the year, or upon an estimate based upon a reasonable comparison with the use of other customers during the same period receiving the same class of service under similar circumstances and conditions. Billing estimation will not exceed two consecutive billings.

3. RESIDENTIAL UNITS:

Termination of Service

1. The District may terminate service for non-payment of a delinquent account. In such event, at least 10 days prior to the proposed termination the District shall first give notice of the delinquency and impending termination by means of a notice mailed, postage prepaid, to the customer of record to whom service is billed not earlier than 19 days from the date of mailing of the District's bill for services, and the 10 day period shall not commence until 5 days after the mailing of the notice.

2. The District shall make a reasonable, good faith effort to contact an adult person residing on the premises of the customer by telephone or in person at least 48 hours prior to any termination of service except that whenever telephone or personal contact cannot be accomplished, the District shall give by mail or by posting in a conspicuous location at the premises, a notice of termination of service, at least 48 hours prior to termination.

EL TORO WATER DISTRICT

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3. Every notice of termination of service pursuant to paragraph 1 above shall include all of the following information:

- (1) The name and address of the customer whose account is delinquent;
- (2) The amount of the delinquency;
- (3) The date by which payment or arrangements for payment is required in order to avoid termination;
- (4) The procedure by which the customer may initiate a complaint or request an investigation concerning service or charges;
- (5) The procedure by which the customer may request amortization of the unpaid charges;
- (6) The procedure for the customer to obtain information on the availability of financial assistance, including private, local, state or federal sources if applicable; and
- (7) The telephone number of a representative of the District who can provide additional information or institute arrangements for payment.

The District shall not terminate residential service for non-payment in any of the following situations:

1. During the pendency of an investigation by the District of a customer dispute or complaint.
2. When a customer has been granted an extension of the period for payment of a bill.
3. On the certification of a licensed physician that to do so would be life threatening to the customer and the customer is financially unable to pay for service within the normal payment period and is willing to enter into an amortization agreement with the District with respect to all charges that the customer is unable to pay prior to delinquency.

EL TORO WATER DISTRICT

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Schedule No. 1-W

Payment Extension

Any residential customer who has initiated a complaint or requested an investigation within five days of receiving the disputed bill, or has within 13 days of the District's 10 day notice of termination made a request for extension of the payment period of a bill asserted to be beyond the means of a customer to pay in full during the normal period of payment, shall be given an opportunity for review of the complaint, investigation or request by General Manager of the District or their designee. The review shall include consideration of whether the customer shall be permitted to amortize the unpaid balance of the account over a reasonable period of time, not to exceed twelve months. No termination of service shall be effected for any customer complying with an amortization agreement, if the customer also keeps the account current as charges accrue in each subsequent billing period.

Any customer whose complaint or request for an investigation pursuant to these provisions has resulted in an adverse determination by the District may appeal the determination to the District's Board of Directors.

Any customer meeting the requirements of these provisions shall upon request, be permitted to amortize, over a period not to exceed 12 months, the unpaid balance of any bill asserted to be beyond the means of the customer to pay within the normal period for payment.

Termination of residential service may not be effected without compliance with these provisions and any service wrongfully terminated shall be restored without charges for the restoration of service. In addition, termination of service may not be effected on any Saturday, Sunday, legal holiday, or at any time during which the business offices of the District are not open to the public.

EL TORO WATER DISTRICT

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EL TORO WATER DISTRICT

APPLICATION and STATEMENT of ELIGIBILITY For EL TORO WATER DISTRICT LIFE LINE RATE ASSISTANCE PROGRAM

1. APPLICATION INFORMATION: PLEASE PRINT

Your Name: _____
Last First Middle

Name as it appears on billing statement: _____
Last First Middle

Service Address: _____
Street City Zip Code

Telephone No: () _____ Number of Persons in the Household: _____

Your ETWD Account Number as shown on your billing statement: _____

2. SIGN APPLICATION:

By signing this application, I declare under penalty of perjury that I have read and understand my responsibilities if I am approved for the life line rate. I further declare that I do meet the qualifications for the lifeline income rate benefits that I have requested. I understand that if I move or become ineligible to receive the discount that I must notify ETWD immediately. I understand that I must renew my application for the discount each time I change residences. If I do not change residences, I must reapply every three years or sooner *as set forth in Schedule No. 1-W of the Rules and Regulations of the El Toro Water District*. I also understand that the discount applies only to one residence at any one time and that it must be my permanent residence. I understand that if I am approved for the discount, I will begin receiving it no more than one billing period after ETWD receives my completed application.

Applicant's Signature

Date

24251 Los Alisos Boulevard Lake Forest, CA 92630 (949) 837-7050 FAX (949) 837-7092 E-mail:district@etwd.com

EL TORO WATER DISTRICT

CUSTOMER APPLICATION DOMESTIC LIFE LINE RATE

Any customer of the El Toro Water District whose account is in his or her name and can provide to the District satisfactory evidence of having a household income of \$15,000 or less per year may request that the service charge of waived.

To find out what your combined income is add together the income for each person living with you. Sources of that income include, but are not limited to the following:

Social Security Benefits	\$ _____	Disability Benefits	\$ _____
Royalties & Rental Income	\$ _____	Interests & Dividends	\$ _____
Wages, Tips & Salary	\$ _____	Retirement Benefits	\$ _____
Unemployment Benefits	\$ _____	Cash Public Assistance	\$ _____
Veteran's Benefits	\$ _____	Food Stamps	\$ _____
TOTAL \$ _____			

REMEMBER only qualified customers can sign up for the program. When you fill out your application form, you will be signing a document under penalty of perjury that states you meet the qualifications. **WE MAY ASK YOU TO PROVIDE PROOF OF INCOME.** Proof of income includes but is not limited to copies of any of the following documents:

- State or Federal income tax returns
- Paycheck stubs
- W-2 or 1099 tax forms
- Copies of state and federal records proving income such as military pensions
- Social Security
- Other documents that would prove income levels

HOUSEHOLD MEMBERS

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EL TORO WATER DISTRICT

RULES AND REGULATIONS

Schedule 3-S

RECYCLED WATER SALES & SERVICE

Approved by Resolution No. 18-6-1	Effective 07/01/18
Approved by Resolution No. 17-6-1	Effective 07/01/17
Approved by Resolution No. 16-6-2	Effective 07/01/16
Approved by Resolution No. 15-7-1	Effective 8/01/15
Approved by Resolution No. 14-6-2	Effective 7/01/14
Approved by Resolution No. 14-3-1	Effective 3/27/14
Approved by Resolution No. 13-6-2	Effective 07/01/13
Approved by Resolution No. 12-6-3	Effective 07/01/12

Exhibit A to Resolution No. 18-6-1

EL TORO WATER DISTRICT

Schedule No. 3-S

RECYCLED WATER SALES & SERVICE

Recycled Water Usage Rates

Effective July 1, 2018 the Recycled Water Usage Rate will be \$2.62/CCF.

Recycled Water Operations & Maintenance (O&M) Charge

Effective July 1, 2018, the Water O&M Charges are as follows:

	<u>Per Meter Per Month</u>
For 5/8 inch meter	\$12.96
For 3/4 inch meter	\$17.37
For 1 inch meter	\$26.20
For 1 ½ inch meter	\$48.25
For 2 inch meter	\$92.36

Capital Replacement and Refurbishment (R&R) Charge -Recycled Water

Effective July 1, 2018, the Capital R&R Charges -Recycled Water are as follows:

	Per Meter Per Month
For 5/8 x 3/4 inch meter	\$4.66
For 3/4 inch meter	\$4.66
For 1 inch meter	\$7.78
For 1 1/2 inch meter	\$18.91
For 2 inch meter	\$47.47

The Recycled Water O&M Charge and the Capital R&R Charge are applicable to all active general metered Recycled Water service, which is added to the charge for Recycled Water used during the month computed at the Recycled Water Usage Rate.

EL TORO WATER DISTRICT

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Schedule No. 4-W

PRIVATE FIRE PROTECTION SERVICE

Applicability

Applicable to water service rendered for privately owned fire protection systems other than to fire hydrants on private property.

Effective July 1, 2018 the Private Fire Protection Service will be:

RATES

Per Meter
Per Month

For each inch of service connection

\$8.43

SPECIAL CONDITIONS

1. The fire protection service connection will be installed at the expense of the applicant.
2. The minimum diameter for fire protection service will be four inches, and the maximum diameter will not be more than the diameter of the main to which the service is connected.
3. If a distribution main of adequate size to serve a private fire protection system, in addition to all other normal services, does not exist in the street or alley adjacent to the premises to be served, then a service main from the nearest existing main of adequate capacity will be installed at the expense of the applicant.

Approved by Resolution No. 18-6-1
Approved by Resolution No. 16-6-2
Approved by Resolution No. 03-9-1
Supersedes Resolution No. 94-6-3

Effective 07/01/18
Effective: 7/01/16
Effective: 10/1/03

Exhibit A to Resolution No. 18-6-1

EL TORO WATER DISTRICT

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Schedule No. 4-W (Continued)

4. The customer's installation must be such as to effectively separate the fire protection system from that of the customer's regular water service.
5. As part of the Fire Protection Service installation, there shall be a detector check or other similar device acceptable to the District, which will indicate and/or accurately measure the water flow. Water deliveries to the privately owned fire protection system shall be utilized strictly for fire protection purposes. Unauthorized uses include, but are not limited to construction, domestic, and landscape uses and water flow resulting from pipeline failures within the private fire protection system. Any unauthorized uses will be charged pursuant to the rates contained in Schedule 1-W of the District's Rules and Regulations, and/or may be grounds for the District to discontinue the Fire Protection Service without liability to the District.
6. There shall be no cross connection between the Fire Protection System supplied with water through the District's Fire Protection Service to any other source of supply without the specific approval of the District. This specific approval will require, at the customer's expenses, a special double check valve installation or other device acceptable to the District. Any such unauthorized cross connection may be grounds for immediate disconnection of the Fire Protection Service without liability to the District.

MINUTES OF THE REGULAR MEETING
OF THE
BOARD OF DIRECTORS
OF THE
EL TORO WATER DISTRICT
May 24, 2018

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 May 24, 2018 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, and MARK MONIN were present.

Vice President WILLIAM H. KAHN, and Director JOSE F. VERGARA were absent.

Also present were ROBERT R. HILL, General Manager/Secretary, DENNIS P. CAFFERTY, Assistant General Manager/District Engineer, JUDY CIMORELL, Human Resources Manager, NEELY SHAHBAKHTI, Finance Manager/Controller, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, GILBERT J. GRANITO, General Counsel, RICHARD NIERADKA, Maintenance Worker II, BOB ADAMS, HIGHMARK Representative, KEITH STRICKLAND, HIGHMARK Representative, CHRIS PALMER, SRLF Southern

Network Field Coordinator, POLLY WELSCH, Recording Secretary, CAROL MOORE, LAGUNA WOODS MAYOR, and KATHRYN FRESHLEY, Customer.

Oral Communications - Public Comments

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

There were no comments.

Items Received Too Late To Be Agendized

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

Special District Leadership Foundation (SDLF) Presentation to ETWD

Mr. Hill introduced Chris Palmer, SDLF's Southern Network Field Coordinator.

Mr. Palmer honored the District on the renewal of the District of Distinction certification.

Director Monin stated that he enjoyed the CSDA Legislative conference.

Presentation of Awards, Recognitions and Introductions

Mr. Hill recognized and congratulated on behalf of the Board, Richard Nieradka, Maintenance Worker II, for 20 years of service with the District.

At approximately 7:42 o'clock a.m. Mr. Nieradka left the meeting.

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

Mr. Hill stated that the District has been recognized for the Comprehensive Annual Financial Report (CAFR) for fiscal year ended June 30, 2017 that qualified the District for the Government Finance Officers Association (GFOA) Certificate of Achievement for Excellence in Financial Reporting.

Mr. Hill congratulated the Finance and Accounting staff for their work on this achievement.

Consent Calendar

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

1. Approval of April 26, 2018 Board meeting minutes, approval of April 24, 2018 Engineering minutes, approval of April 24, 2018 Finance minutes, and approval of April 19, Special Board Budget Workshop minutes.
2. Approval of the Financial Package – Authorization to approve bills for consideration dated May 22, 2018 and Receive and File Financial Statements as of April 30, 2018
3. Approval of SCAP membership renewal
4. Approval of conference and meetings (there were no requests)

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.

Roll Call Vote:

Director Adjarian	aye
Director Monin	aye
President Goldman	aye

Quarterly Review of the District's 401(k) Retirement Savings Plan

Mr. Hill introduced Mr. Adams and Mr. Strickland of HighMark.

Mr. Adams reviewed his quarterly report of the District's 401(k) Retirement Savings Plan.

Mr. Adams stated that longer term periods of investments in the Capital Preserves have been solid, and the first quarter was volatile. He further stated that we are discontinuing the primary benchmark going forward, and will have only one benchmark.

Mr. Strickland stated that the market may continue to be aggressive as interests rates rise. He further stated that the yield curve is shorter than long rates and has flattened due to a slow economy going forward.

Director Monin asked what is the Plan moving forward. Mr. Strickland stated that their firm has targeted to be more intermediate in the yield curve.

Mr. Adams stated that inflation could impact the yield curve flatter. He further stated that they are not planning to make additions at this time.

Director Monin asked what is the outcome of the Fi360. Mr. Hill replied that the HighMark write-up is included in the Board package. Mr. Adams stated that HighMark internally performs more than the Fi360.

Mr. Hill stated that the District has had periodic independent reviews of HighMark.

ETWD 401(k) Retirement Savings Plan Investment Policy Statement (IPS)

Mr. Hill stated that the changes included glidepaths in the portfolios, age-based from 4 to 7 portfolios, reduced age-based transition from every 10 years to 5 years, and transitioned to a single blended benchmark.

Mr. Hill stated that the District's ERISA Counsel has reviewed the IPS, and staff will review with Prudential, Union Bank, and HighMark.

Mr. Hill stated that the new effective date was going to be July 1st, but Prudential needs time to implement the changes, so the new effective date will be August 1st to allow for a 30-day notice. He further stated that we will also have an Employee meeting to inform the participants of the amendments to the IPS.

President Goldman asked for a Motion.

Motion: Director Monin made a Motion, seconded by Director Adjarian, and unanimously carried across the Board to approve the amended 401(k) Retirement Savings Plan Investment Policy Statement dated May 24 2018.

Roll Call Vote:

Director Adjarian	aye
Director Monin	aye
President Goldman	aye

At approximately 8:03 o'clock a.m. Mr. Adams, Mr. Strickland, and Mr. Palmer left the meeting.

Director/Committee Reporting

Director Adjarian stated that he attended the MWD/OC/MET Directors workshop where they discussed water bonds. He also attended the SOCWA Board meeting, the WACO meeting, the ACWA/JPIA meeting, the SOCWA

Finance meeting, the CAG meeting, and will be on TV-6 tomorrow. He further stated that he attended 22 out of the 27 Special Districts requesting support of his election for the OC LAFCO seat.

Director Monin stated that he attended the WACO meeting, the ISDOC Executive Committee meeting, the SMWD Water Awareness Day, TCWD Water Awareness Day, a VA Open Hospital, the MWDOC/MET Directors Workshop, South Orange County Executive Committee meeting, CSDA Legislative Days, CAG meeting, and the ACWA Spring conference. He further stated that they discussed the RDA at the CSDA conference, which is Redevelopment Housing industry, AB 3037 for affordable housing. Also AB 2065 if you have surplus land it is to be offered to affordable housing and other groups. He stated that at the ACWA Energy Committee meeting they discussed green footprint coverage and reporting back to the state.

President Goldman stated that he attended the ACWA Spring conference, the CASA State Legislature Committee meeting, SOCWA Attorney interviews, the CASA Board meeting, and the South County Agencies meeting. He further stated that at the ACWA conference they discussed reporting methane gas discharges in metro tons.

General Manager Action Items

Transmittal of Election Information Special District

Mr. Hill stated that each election year the Board must decide whether or not to pay for the Candidate Statements, and whether they will authorize 200 or 400 words.

President Goldman asked for a Motion.

Motion: Director Adjarian made a Motion, seconded by President Goldman and unanimously carried across the Board, that the District will not pay for the Candidate Statements, and will limit them to 200 words.

Roll Call Vote:

Director Adjarian aye
Director Monin aye
President Goldman aye

General Manager Information Items

General Manager's Monthly Report

Ms. Shahbakhti stated that the Customer Service report is doing well.

Mr. Hill stated that staff is anticipating the kick-off of the June 2018 Annual Audit, and we are still with the PUN Group. He further stated that the PUN Group provided an Engagement Letter and offered to come before the Board for any questions, but staff feels they would meet with the Audit Committee and not the Board. Director Monin stated that he is ok with the Auditors to meet with the Audit Committee, noting any additional costs.

Mr. Hill stated that the District has received 5 protest letters so far from the Prop 218 Notice. President Goldman asked that the Board receive copies of the protest letters next month prior to the Public Hearing.

ETWD Capital Project Status Report

Oso Lift Station Improvement Project

Mr. Cafferty stated that staff is reviewing the 90% design drawings.

Phase II Recycled Water Distribution System Expansion Project Construction

Mr. Cafferty stated that the East Side System construction is nearly complete, final paving is scheduled for the week of May 21, and contract work should be complete by early June.

Mr. Cafferty stated that the West Side System pipeline is underway, and approximately 89% complete.

Mr. Cafferty stated that staff continues to negotiate the terms of the SRF loan with the State. He further stated that the State has agreed to go with the 11 year loan, however they are questioning the District's compliance with the debt coverage requirements. Mr. Cafferty stated that the State will not allow the use of the rate stabilization reserve in the calculation. Mr. Cafferty indicated the staff will participate in a conference call with the State next week in an effort to resolve the issues.

Baker Project

Mr. Cafferty stated that the executed Quit Claim has been received and recorded, so this project is complete.

Baker Water Treatment Product Water Conveyance Options

Mr. Cafferty stated that MNWD has indicated they are conducting property research regarding a potential new turnout on the South County pipeline that would include a connection dedicated to the ETWD Baker supply.

At approximately 8:23 o'clock a.m. Ms. Cimorell left the meeting.

Tiered Water Use and Revenue Tracking

Ms. Shahbakhti stated that we are 96% efficient in April.

State Drought Regulations – Monthly Report

Mr. Hill stated that the monthly report is in the Board package, along with water use compared to 2013 usage.

Legislative Reports

Mr. Hill stated that SB 623 public service charge water tax differ between the Assembly and Senate. He further stated that SB 998 that discusses shutting off customers water in a written policy, notice process, appeals process, and direct contact with customers.

President Goldman stated that the state's water policy has a goal of discharge from the plants, and could include mandates.

Public Education and Outreach/Water Conservation Reports

Ms. Seitz stated that staff hosted a garden tour for the Mission Viejo Garden Club, and there were approximately 50 attendees. She further stated that we also had a landscape workshop, and will schedule another one.

Mr. Hill stated that under the rebate program, high efficiency toilets qualify at 1.08 water use which has been in effect for years.

At approximately 9:06 o'clock a.m. Ms. Seitz left the meeting.

SOCWA Reports

Director Adjarian stated that discussion centered on the draft budget, and nomination to select a slate of officers for 2018/19.

Director Adjarian stated that the Closed Session was lengthy.

MWDOC

Director Monin stated that at the MWDOC Admin/Finance meeting was modeling and an investment policy review. He further stated that the MWDOC Planning/Operations meeting was Bureau of Reclamation discussions.

Mr. Hill stated that at the MWDOC Managers meeting they discussed the California water fix, and the LAFCO MSR.

LAFCO

Director Adjarian stated that the meeting was canceled.

SOCWMA

Mr. Hill stated that they were electing the Chair, and had a Baker presentation from IRWD. He further stated that they updated the UWRMP which will be brought before the Board next month for adoption by Resolution.

ISDOC Meetings

Director Monin stated that they discussed the allocation of the LAFCO fee with more discussion to come.

WACO Meetings

There were no comments.

City Coordination Efforts

There were no comments.

Committee and General Information

There were no comments.

Dates to Remember

There were no comments.

Carry-Over Pending Matters

There were no comments.

Director Comments/Non-Agenda Items

Director Monin stated that short term rates have increased, and he would like an update from PFM. Ms. Shahbakhti replied that he will be here in July to update the Board on investments.

Director Monin stated that he would like a review on CalTrust. Mr. Hill replied that we have already reviewed CalTrust and Mr. Babbe of PFM and CAMP provided a review, and could update the Board again.

Director Monin stated that he would like to see what is being done for the District's System Vulnerability. Mr. Hill replied that this item is on the carry-over items list and staff is reviewing it.

Director Adjarian stated that the ACWA/JPIA meetings were informative and there were two presentations, one on the use of captives to maximize rewards on insurance coverage, and a discussion about homeless encampments along the river beds and drainage areas.

President Goldman stated that at the South County Agencies meeting they discussed the IRWD Strand Ranch project, and the District Election process at large.

Attorney Report

Mr. Granito reported briefly on SB 998 which would change existing water shut-off procedures on delinquent accounts.

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

Adjournment

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

Motion: Director Adjarian moved, seconded by Director Monin and unanimously carried that today's meeting be hereby adjourned at 9:25 o'clock a.m. to Thursday, June 28, 2018 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

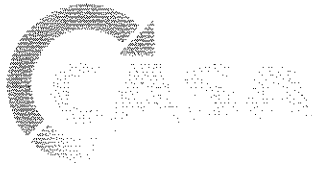
Respectfully submitted,

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



California Association of Sanitation Agencies

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63rd Annual Conference



Event Details

[Conference Registration](#)[Fellowship Program](#)[CE/MA Registration](#)[Hotel Reservations](#)

Cost per night: \$298.40 (includes applicable state and local taxes)

Cut-off date: July 17, 2018

Valet parking is an additional cost of \$25.00 per day.

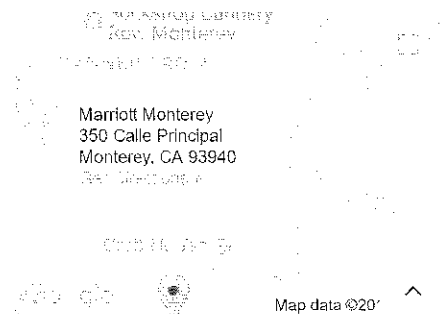


Start/Time

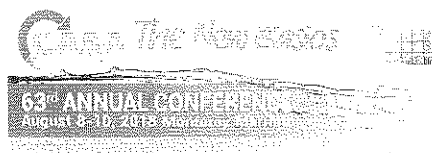
August 8, 2018 - August 10, 2018
12:00 am

Location

Marriott Monterey
350 Calle Principal
Monterey, CA 93940

[Get Directions >](#)

Related CASA Events

**63rd Annual Conference****AUGUST 8, 2018 - AUGUST 10, 2018**

12:00 AM

Conference Registration Preliminary Program CSRMA Registration Hotel
Reservations Cost per night: \$298.40 (includes applicable state and local taxes) Cut-off date: July...

@CASA_CleanWater

Before #summer gets into full swing, make plans to join us at our 63rd annual #CASAconference #TheNewBasics August 8-10 at the #Monterey Marriott. Hotel rooms are booking fast this time of year. Review the preliminary program and register soon! casaweb.org/events/casa-63...
pic.twitter.com/i7p2AOKoBc

Yesterday from CASA_CleanWater's Twitter

ABOUT US

CASA provides leadership, advocacy and information to our members, legislators and the public, and promotes partnerships on clean water and beneficial reuse issues that protect public health and the environment.

CONTACT US

1225 8th Street, Suite
595
Sacramento, CA
95814
(916) 446-0388

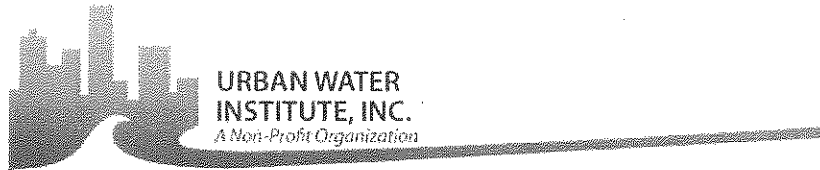
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Polly Welsch

From: Stacy Davis <admin@urbanwater.ccsend.com> on behalf of Stacy Davis
<stacy@urbanwater.com>
Sent: Tuesday, May 29, 2018 2:41 PM
To: Polly Welsch
Subject: Please Register For Urban Water Institute's 25th Annual Water Conference!



***Urban Water Institute's
25th Annual Water Conference
"Making Water FUN Again!"***

Please Join Us For Urban Water Institute's 25th Annual
Water Conference On August 22-24, 2018!

**Hilton San Diego Resort & Spa
1775 East Mission Bay Drive
San Diego, CA 92109
(619) 276-4010
www.urbanwater.com**

Conference Registration:

\$425

UWI Member Registration Fee

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

\$525
Non-Member Registration Fee

[Click here to register for UWI's
25th Annual Water Conference!](#)

Hotel Information:

The Hilton San Diego Resort & Spa is offering a special conference rate of \$205. To make your room reservation call the Hilton San Diego Resort & Spa directly at (619) 276-4010 or [Click Here.](#)

(Please note you need to type in the address of the San Diego Hilton Resort & Spa 1775 E. Mission Bay Dr., San Diego, CA 92109 along with the GROUP CODE: URB818 to see the group rate.)

PLEASE NOTE: The cut-off date for the group rate is
July 25, 2018.

Exhibitor Opportunities:

Please join us as an exhibitor for our 25th Annual Water Conference! Your support will allow for the sharing of important information & technology to all conference attendees.

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

Sponsorship Opportunities:

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

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

[CLICK HERE TO VIEW THE DRAFT AGENDA](#)

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

Please visit our website at www.urbanwater.com

LANDSCAPE MAINTENANCE SERVICES



The District contracts for landscape maintenance services at a number of ETWD owned sites. The District's annual landscape maintenance needs consist of weekly, monthly, quarterly and semi-annual services at the following sites:

Weekly

Main Office/Field Office
Demonstration Garden
Water Recycling Plant
WRP Holding Pond
Cherry Pump Station
Shenandoah Pump Station

Monthly

Main PR Cell Site Areas

Quarterly – Semi Annual

Water Recycling Plant
WRP Holding Pond
P-1 Pump Station
P-3 Pump Station
P-4 Pump Station
R-5 Reservoir
R-6 Reservoir

The landscape maintenance services include the following scope of work:

- Detailed Maintenance of the Demonstration Garden
- Mowing Lawns
- Pruning/Sculpting/Trimming of Ground Cover, Shrubs and Vines
- Mulch coverage maintenance
- Weed, Fungus and Pest Control
- Fertilization
- Irrigation System Maintenance
- Major Cleanups at Larger Sites
 - Weed Abatement
 - Vegetation Overgrowth Mitigation and Removal
 - Debris Disposal

Nieves Landscape, Inc. has been providing the District's landscape maintenance services since taking over the scope of work following the cessation of operation by Spectrum Landscape in December of 2016. As Nieves gained more experience with the District's sites, they informed the District that the contract pricing they inherited was inadequate for the scope of work. They noted that they were interested in continuing the contract but indicated a significant cost increase would be required.

Bid Process

While the District has been satisfied with Nieves' performance, Staff determined a bid process would be appropriate prior to accepting a contract price increase. Staff prepared a detailed bid package to facilitate the bidding of landscape maintenance services for the 2018/19 fiscal year. The package provided a detailed description of the scope of work at each site along with photographic exhibits of the landscape maintenance areas.

The District pre-qualified and subsequently invited twelve landscape contractors to bid the District's landscape maintenance contract. Seven of these contractors attended the mandatory pre-bid meeting and site tour. Two contractors failed to complete the pre-bid meeting site tour and were therefore disqualified. At the conclusion of the pre-bid meeting, Staff fully expected to receive bids from each of the five remaining contractors.

Unfortunately, only one bid was submitted. Staff followed up with the other four contractors that attended the pre-bid meeting to determine why they failed to submit. The following is a summary of the responses

Bright View Landscape: Bright View indicated they were moving the physical location of their entire operation. Due to the logistical demands of the move, they did not have staff available to prepare the bid nor management available to participate in the development or review of a bid.

Mission Landscape: The Mission Landscape estimator said he put bid together and submitted it to his management. He was surprised the bid was not submitted. He was going to look into it, but has not provided any further information.

Andre Landscape: The estimator who attended the pre-bid meeting has since left the company. Without his involvement, Andre was unable to put together a responsible bid.

Soto Company: Staff have left messages with Soto but they have not responded with any information or reasoning.

Budget Analysis

Prior to entering into the original contract, Staff checked references on Nieves soliciting feedback from Homeowners Associations Property Managers as well as from the City of Laguna Woods. Nieves was very highly recommended by each of the references checked by District staff. Nieves has performed well on the current contract and has a clear understanding of the District, its facilities and sites and the contract scope of work.

The Nieves total bid amounts to \$132,864. The 2018-19 fiscal year expense budget included \$97,060 for landscape maintenance. The largest cost driver in the total contract and the overall contract price increase is the extensive maintenance required around the large area at the WRP Holding Pond.



The 1819 budget was based on the 1718 contract value. Without knowledge of what actual contract cost would be yielded by the bidding process, Staff chose to avoid a speculative impact on rates associated with a budget increase. District reserves will be adequate to cover the portion of the contract cost that exceed the budget.

Staff communicated with Nieves regarding potential options to reduce the scope or cost. Nieves indicated they place great value on the relationship with the District and aggressively priced the landscape services in the preparation of their bid. This left no room for further cost reduction at this point. Staff has reviewed the bid price relative to the defined scope of work and concluded that the higher cost is appropriate and equitable.

RECOMMENDATION

Recommended Action at the June 28, 2018 Board Meeting: Staff recommends that the Board of Directors authorize the District's General Manager to enter into a contract with Nieves Landscape, Inc., the District's current landscape maintenance contractor, in the amount of \$132,684 for landscape maintenance services at certain District facilities. Staff further recommends that the Board authorize the General Manager to fund the project costs from the designated Capital Construction Reserves in accordance with the District's adopted Capital Reserve Policy.

By: Dennis P. Cafferty

Date: June 21, 2018



CALIFORNIA ASSOCIATION of SANITATION AGENCIES

1225 8th Street, Suite 595 • Sacramento, CA 95814 • TEL: (916) 446-0388 • www.casaweb.org

DATE: June 4, 2018

TO: CASA Member Agencies

FROM: Bobbi Larson, Executive Director

SUBJECT: Designation of Agency Representative and Consent to Electronic Transmission

Dear Members:

We are requesting your assistance with a couple of administrative matters. CASA's bylaws require that each member agency designate an official voting representative and two alternates who are authorized to exercise the agency's voting rights. We are updating our records in advance of our annual election and ask that you complete a designation form even if you have previously submitted one in the past.

Secondly, as a nonprofit mutual benefit corporation, CASA must obtain our members' consent to transmit official communications electronically rather than regular mail. By signing and returning the enclosed authorization, you agree that CASA may send these communications such as ballots and other official business matters to you via email.

We request that you return both original documents via USPS by Monday, July 2, 2018 to:

CASA
Attn: Cheryl MacKelvie
1225 8th Street, Suite 595
Sacramento, CA 95814

If you have any questions, please feel free to contact me at (916) 446-0388 or blarson@casaweb.org. Thank you for your assistance.



CALIFORNIA ASSOCIATION of SANITATION AGENCIES

1225 8th Street, Suite 595 • Sacramento, CA 95814 • TEL: (916) 446-0388 • www.casaweb.org

CONSENT TO ELECTRONIC TRANSMISSION

As a member of the CALIFORNIA ASSOCIATION OF SANITATION AGENCIES (CASA) your written consent is required in order to receive official communications from, and/or to send official communications to, CASA by electronic transmission (i.e. email).

This consent form will allow CASA to send you meeting notices, ballots, conduct meetings, and handle other official business that requires member or board approval, by electronic transmission. It also allows you to send the same types of information to CASA via electronic transmission.

Before signing this consent form, please review and be aware of the following:

1. You are not required to sign this form. You may request that meeting notices, ballots, and other matters of official business be sent to you via regular mail.
2. You have the right to withdraw your written consent at any time after signing this form by providing CASA with written notice that you are withdrawing your consent relative to electronic transmission.
3. This consent to electronic transmission is broad, and may include transmission of meeting notices, ballots, and other important information regarding CASA. It also allows CASA to conduct meetings via electronic transmission, although that will not be a frequent occurrence. This consent form represents consent under both California Corporations Code 20 and 21 (transmission from and to CASA). This consent form also meets the requirements for consent under the federal Electronic Signatures in Global and National Commerce Act (15 U.S.C. Sec. 7001(c)(1)).
4. Consenting to electronic transmission via email requires that you have access to a computer, have a current email account, and have provided your current email address to CASA.

The undersigned CASA member representative has read and understands the foregoing, and hereby provides this written consent to receive and send information, including but not necessarily limited to meeting notices, ballots, and other information regarding CASA, via electronic transmission (i.e. email), until such time as this consent is revoked in writing. This consent also allows CASA to conduct meetings via electronic transmission.

El Toro Water District

Signature of Member Agency Representative: _____

Date: _____

Print name and title: _____

*Email address for official CASA notices:

PLEASE MAIL SIGNED ORIGINAL OF THIS FORM TO:

California Association of Sanitation Agencies
Attn: Cheryl MacKelvie
1225 8th Street, Suite 595, Sacramento, CA 95814

*Please indicate if you do not have access to (or do not want) this type of transmission



CALIFORNIA ASSOCIATION of SANITATION AGENCIES

1225 8th Street, Suite 595 • Sacramento, CA 95814 • TEL: (916) 446-0388 • www.casaweb.org

2018 DESIGNATION OF AGENCY REPRESENTATIVES

The bylaws of the California Association of Sanitation Agencies (CASA) provide that each voting member of the Association shall designate in writing the individual who shall exercise the voting rights and other privileges on behalf of the member agency, and two alternates to that individual as well. (Article II, Section 1.)

Please designate your agency's representative and two alternates and return this form to CASA. You may revise or update this designation at a future date.

El Toro Water District

Type or print name of Agency Representative

Telephone number

Email address

Type or print name of Alternate #1

Telephone number

Email address

Type or print name of Alternate #2

Telephone number

Email address

Submitted by:

Date:

Signature

Print name

GENERAL MANAGER'S REPORT

June 2018

I. OFFICE OF THE GENERAL MANAGER

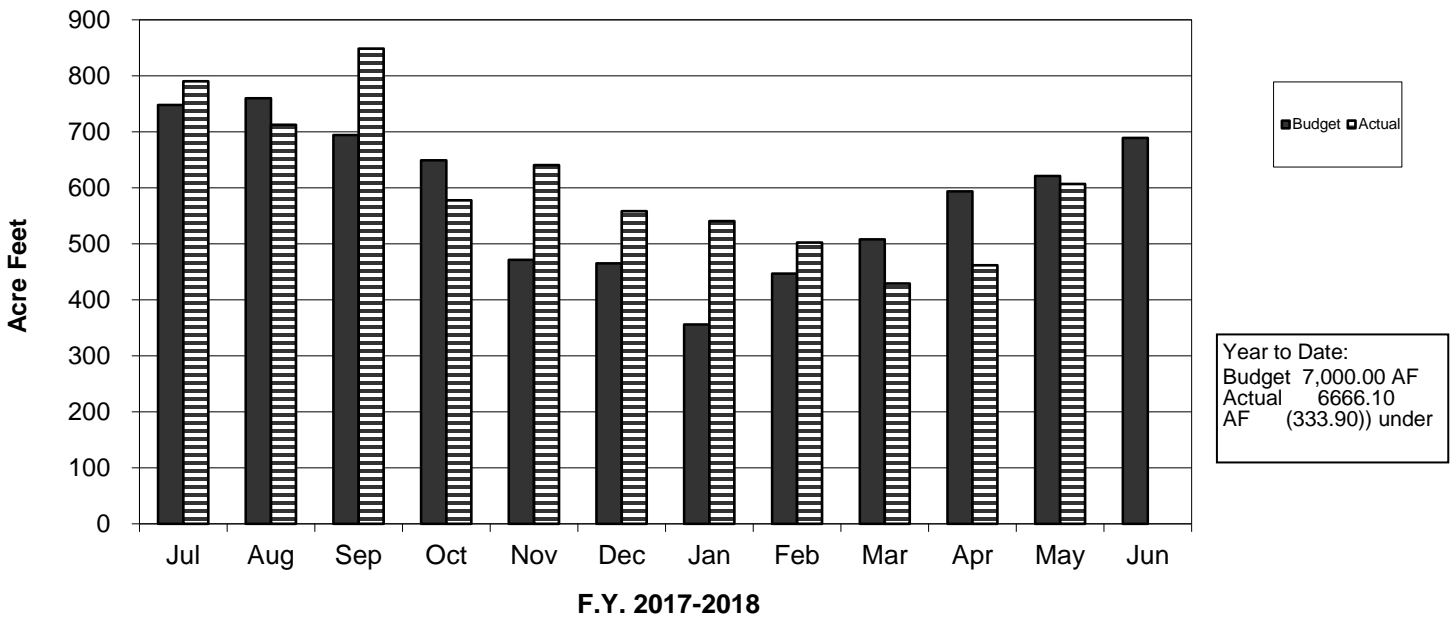
- Attended South County Agencies Meeting
- Attended SOCWMA Management Committee Meeting
- Attended RRC Meeting
- Attended Special Board Meeting
- Attended Agenda Review Meeting
- Attended MWDOC Managers Meeting
- Attended Engineering & Finance Committee Meetings
- Attended Regular Board Meeting/Public Hearing Meeting

II. DOMESTIC AND RECLAIMED WATER SALES

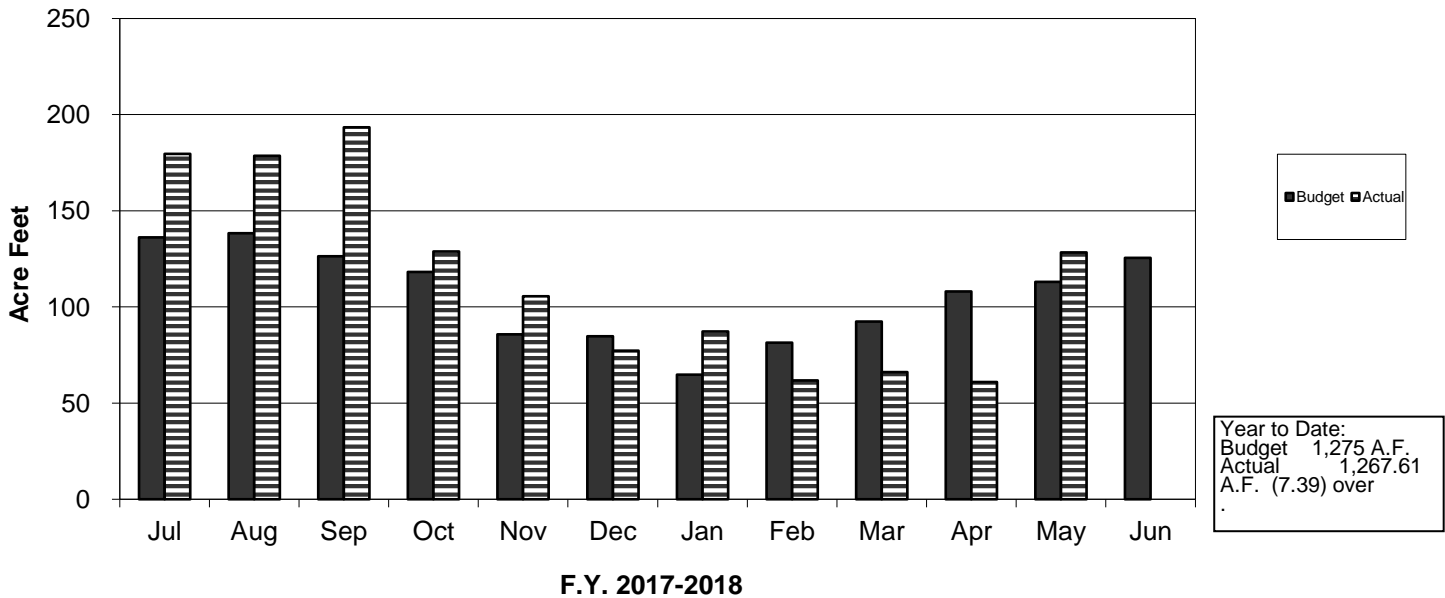
Actual domestic sales for the year-to-date as of May 31, 2018 are 6,666.10 acre-feet. This compares to year-to-date budgeted domestic sales of 6,311.03 acre-feet. The year-to-date variation in actual to budgeted sales reflects an increase of 355.07 acre-feet. Actual sales are 573.76 acre-feet higher than last year-to-date actual sales for the same period.

Recycled water sales for the year-to-date are 1,267.61 acre-feet, compared to 1,149.50 acre-feet budgeted for the same period.

DOMESTIC WATER SALES



RECLAIMED WATER SALES



Customer Service Activity Report

MAY 2018

Regular Service Calls	MAY 2018	MAY 2017	Telephone Calls	MAY 2018	MAY 2017
Serviceman Dispatched to Read, Connect/Disconnect Service	62	87	Change of Service: (CR / DR within and/or outside of ETWD service area)	91	103
Field Investigations:			Billing / Payment & Graph Inquires	415	433
Check for leaks-calls to CS Office: (irrigation, meter, street leaks)			Assistance with online payments and ETWD's portal (cc, echecks)	104	134
Customer Responsible	29	24	Variance / Waiver Inquiries	70	90
District Responsible	16	10	Variance / Waiver Requests	11	16
None found/other	7	5	Processed		
High Reads Checked - High Consumption (Billing Dept.)			Ordinance Infraction / Water Waste Complaints	6	2
Cust Leaks: _14_ No Leaks: _16_	30	31			
Check Stopped Slowed Meters-Low Consumption (Billing)	1	6	Other Districts	106	74
Re-Check Read	4	20	Phone Transfers to other Departments within ETWD	157	142
Ordinance Infraction	1	2	Calls for the Board of Directors	3	41
Recycled Water	0	1	Recycled Water	19	4
Water Quality: Taste / Odor / Color	2	2	Water Quality Taste - Odor - Color	11	3
Phone response: _2_ Field response: _0_			Leaks / Breaks	52	53
Flooding (Hydrant) Meters issued	0	0	Flooding (Hydrant) Meter calls	7	2
Sewer - Odor/Stoppage/ Manhole Covers	1	3	Sewer Problems (odor / spill)	4	4
Meter Box: Lids / Covers Replaced	47	160			
Meter Box Clean, Digout	22	22	Backflow / Cross Connection (questions or yearly testing forms)	7	3
	5	1	ETWD facilities inquiries: Boxes/Covers/Lids/Hydrants/Pump Stations/Graffiti/ "Gen. Maint"	22	1
Raised Meter Box					
Trim Bushes / Meter Obstruction	42	5	Tyco (ADT) Calls (Alarms to ETWD facilities)	3	3
General Maintenance Response	4	5	ATT Calls (access to tower sites)	5	0
Fire Hydrants: Hit / Leaks / Caps	0	3	SCE Calls (access to tower sites)	5	0
Pressure(psi) Checks / Reads	5	6	Pager Calls specifically for Pump Stations - SCADA	1	1
CSSOV (Angle Meter/Ball Valve/Gate Valve/Globe Valve) chk,repair,replaced	16	11			
Bees Removed	0	0	Payment Extensions	109	146
Backflow / Cross Connection	2	7	Delinquent Payment Calls to Customer 's (automatic dialer)	0	0
Fogged Registers	53	0	Return Calls from customers left on our voice mail system.	57	76
OMCOP: Old Meter Change - Out Program	2	8	Email Correspondence	55	139
Other: (uncommon non-maintenance calls)	5	7	Maintenance Service Order		
	34	28	Requests (bees, psi, fogged-dirty registers)	68	0
On-Call After Hrs. CS Response			**Misc.. (other: employment, deliveries, sales calls)	68	0
# 48/24 Hr. Door Hangers Hung	130	140			
# Locked Off For Non-Pay (Disconnect)	13	11			
Removed Meter	1	24			
New Meter	0	*			
Unread Meters	0	*			
Total Field Investigations	534	629	Total Telephone Calls	1456	1470
Uncollectible Accounts:			Credit Card Payments	MAY 2018	MAY 2017
Budget YTD	\$18,333.00	\$22,917	REGULAR	609 \$60,821.13	556 \$61,421.17
Actual YTD	\$10,646.00	\$0			
* = New Code					

**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:		May	YEAR : 2018		
CONSTITUENT ANALYSIS		INSIDE LAB		OUTSIDE LAB	
	MCL	NO.	RESULTS	NO.	RESULTS
1 Microbiological	Pres/Absence	150(A)	Pres/Absence	0	Average
2 Chlorine (ppm)	Detectable Resid	125	Average = 1.41 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	0.00 to 0.24	0	
Odor	3 Units	20	ND<1	0	
Color	15 Units	20	ND<5	0	
Temperature	No standard	20	59.1°F To 73°F	0	
5 Nitrite (Alert/Action level)ppm	0.015 to 0.030 ppm	77	0.000 to 0.006 Res.	0	

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

Abbreviations:

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

MICROBIOLOGICAL MONITORING

MAY 2018

PRESSURE ZONE LEGEND

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

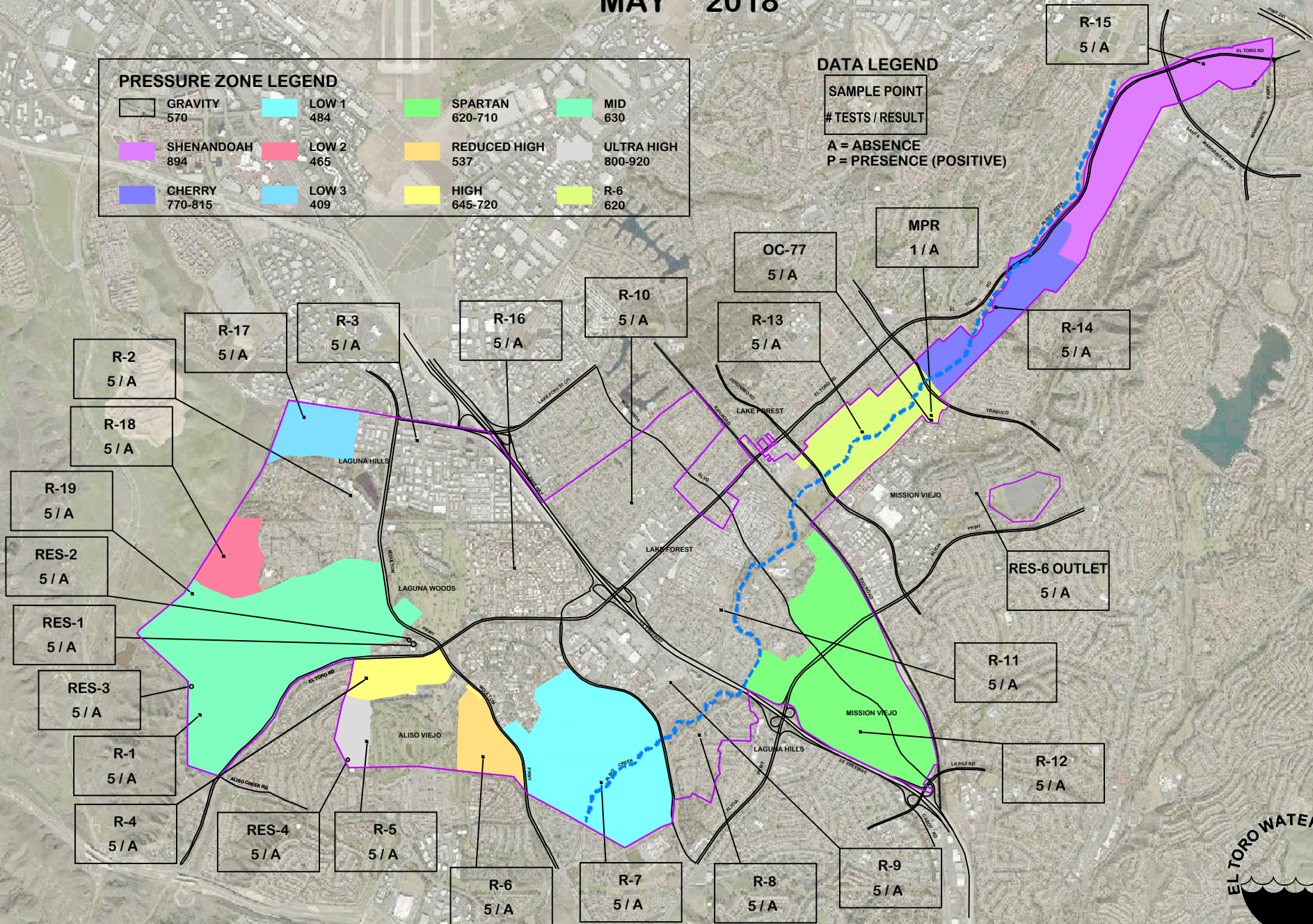
DATA LEGEND

SAMPLE POINT

TESTS / RESULT

A = ABSENCE

P = PRESENCE (POSITIVE)



CHLORINE RESIDUAL MONITORING

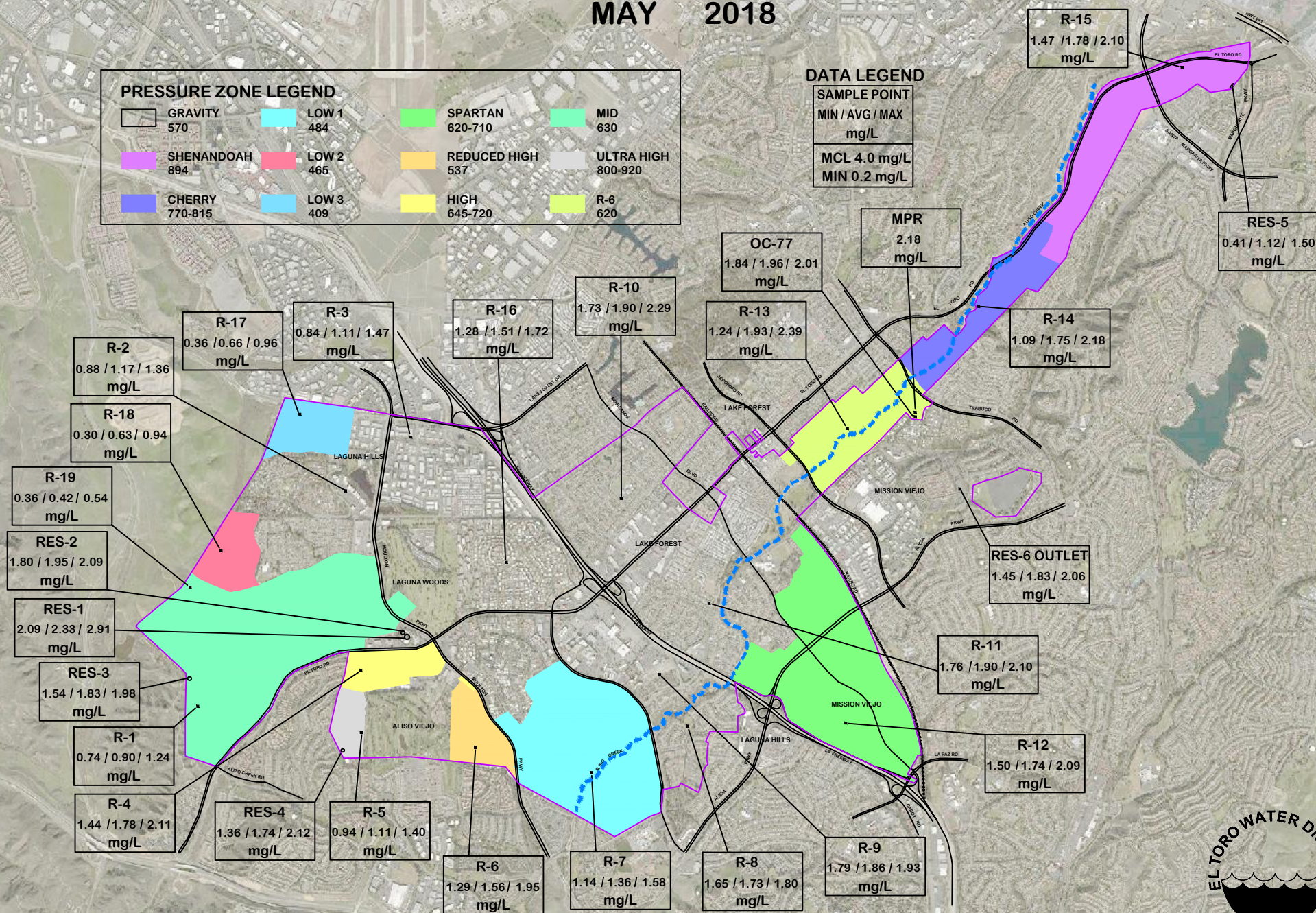
MAY 2018

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
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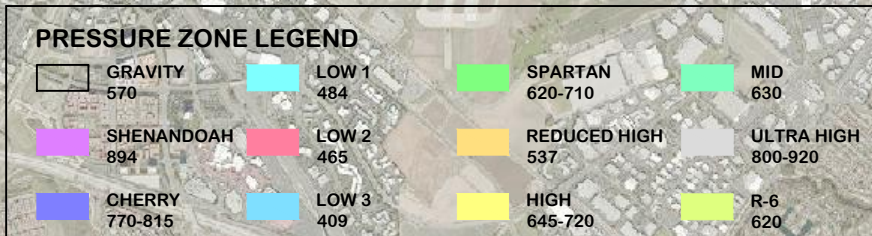
DATA LEGEND

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



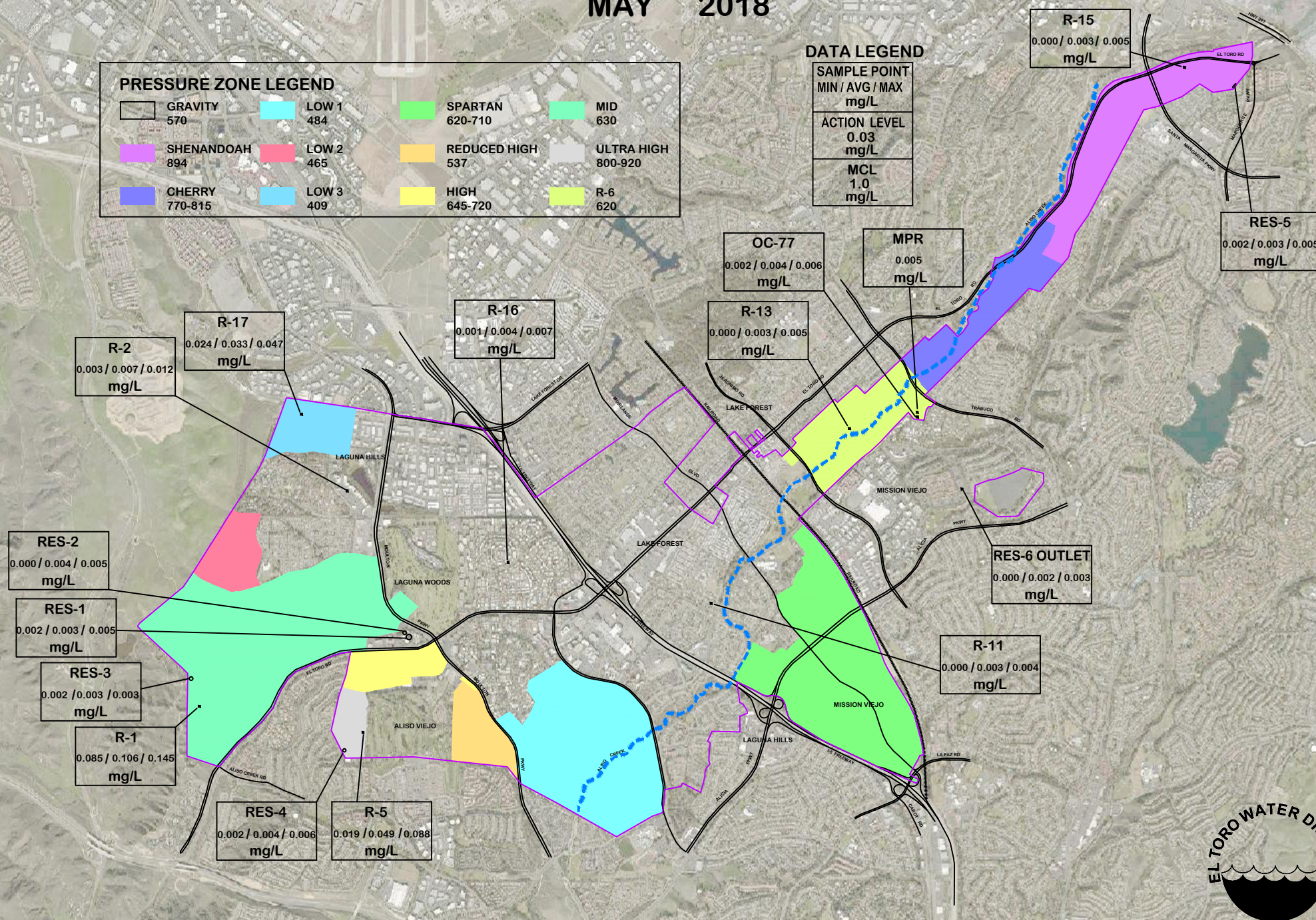
NITRITE MONITORING

MAY 2018



DATA LEGEND

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



FLUORIDE MONITORING

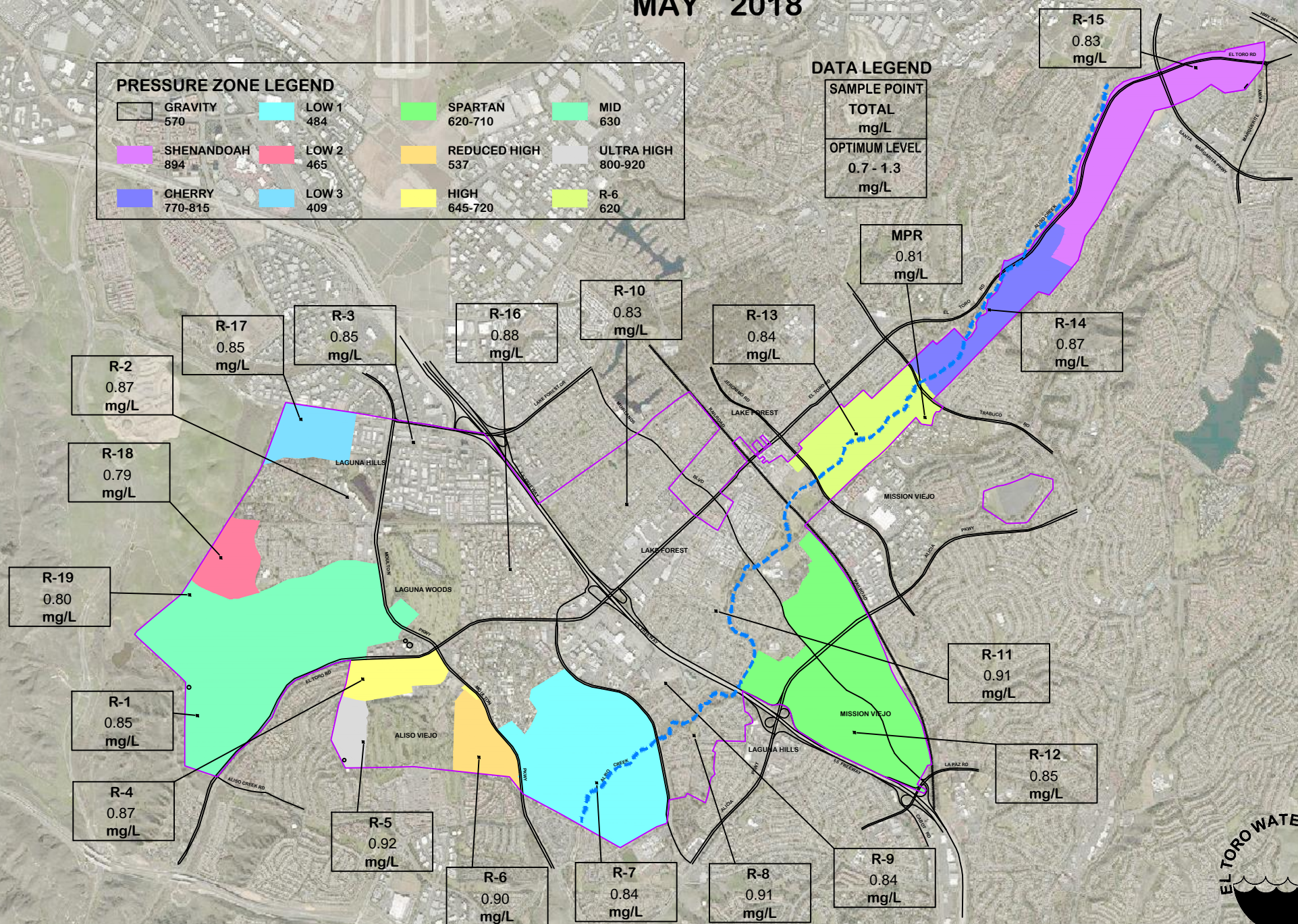
MAY 2018

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



Weekly Water Quality System Status

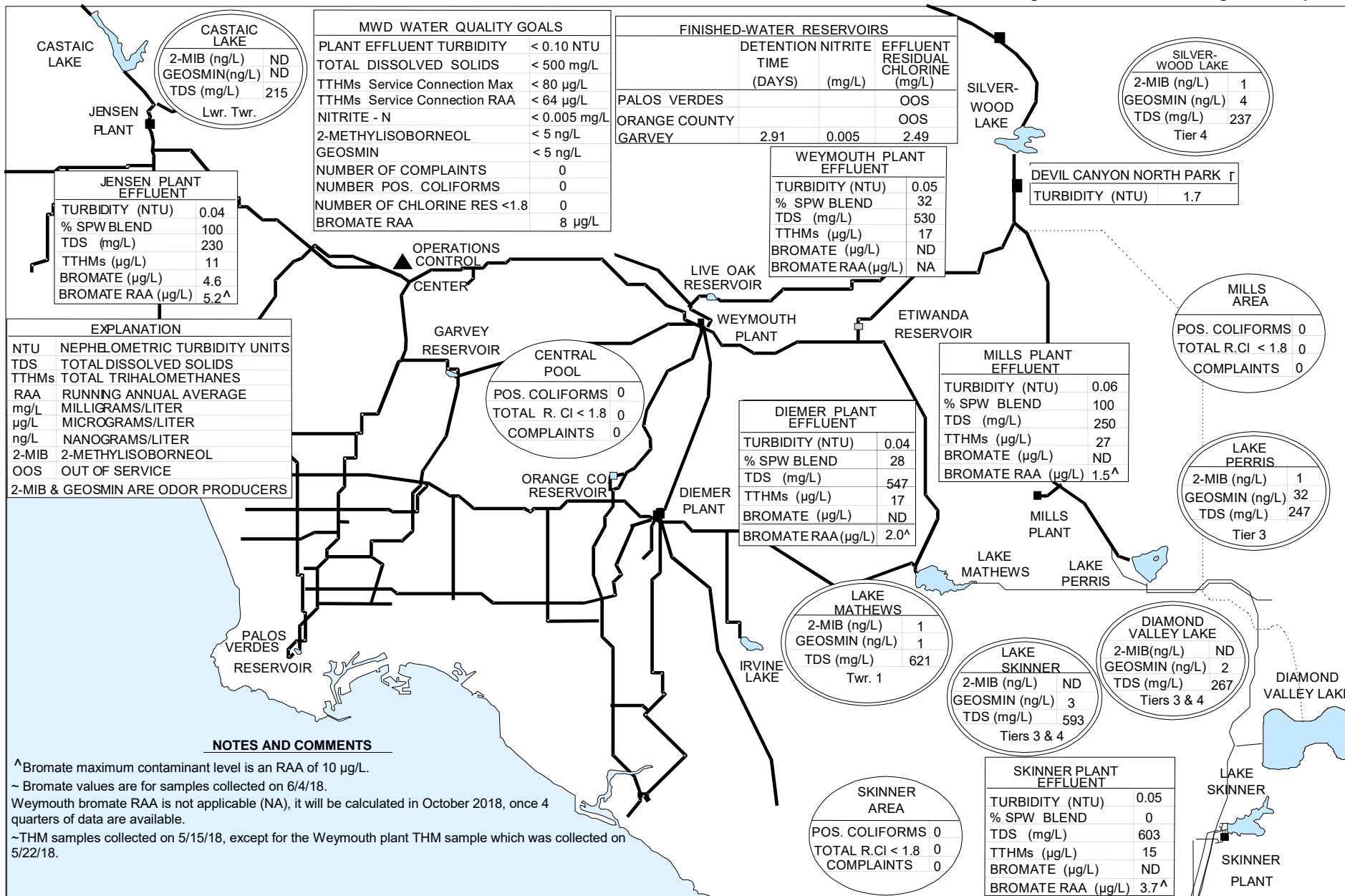
Wednesday, June 13, 2018

Printed On: 6/13/2018 1:49:00 PM



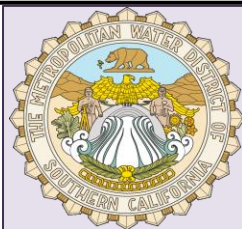
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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>



Water Supply Conditions Report

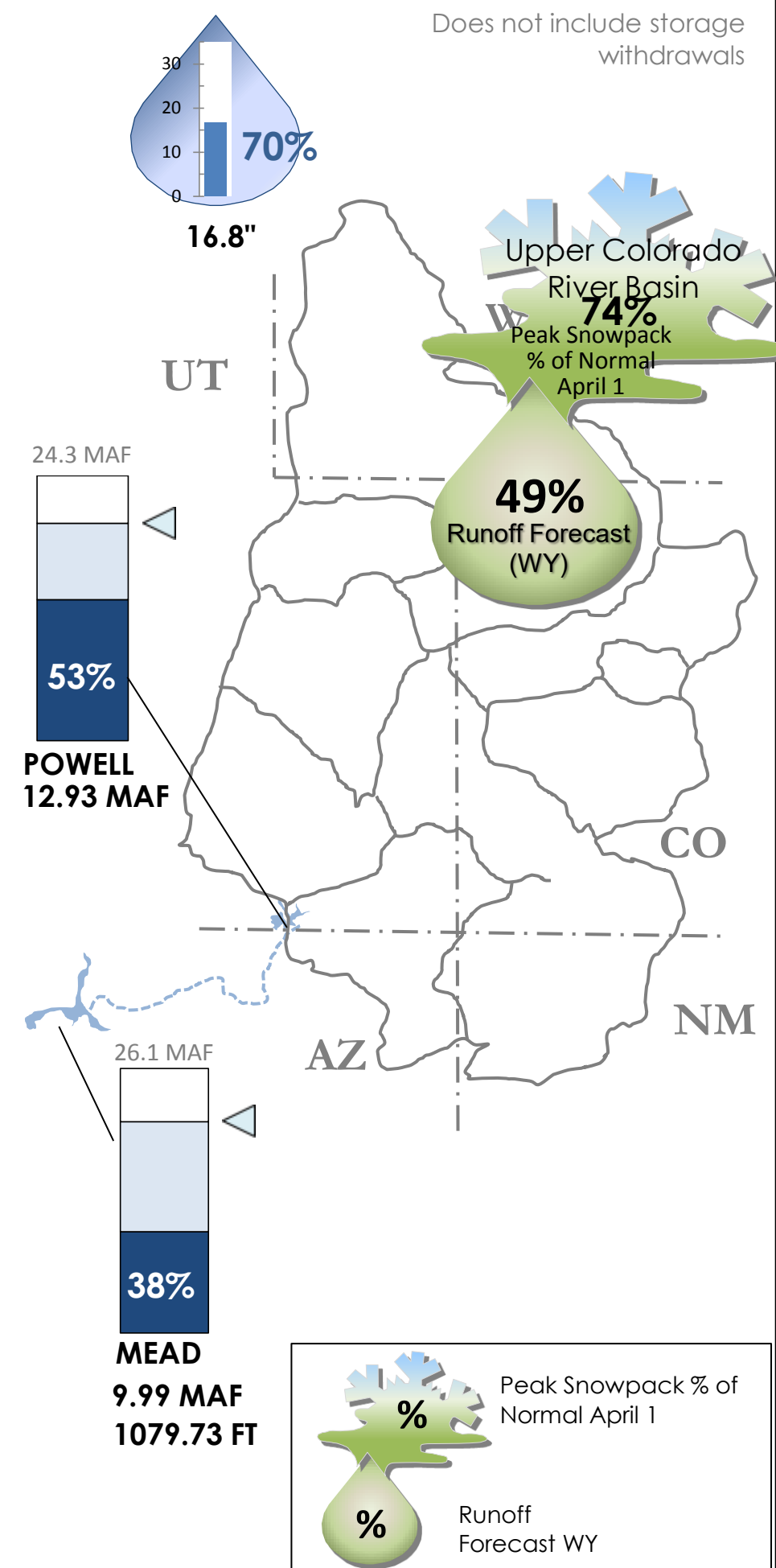
As of: 06/04/2018

2018 Colorado River

872,205 AF

70% of full CRA

Does not include storage withdrawals



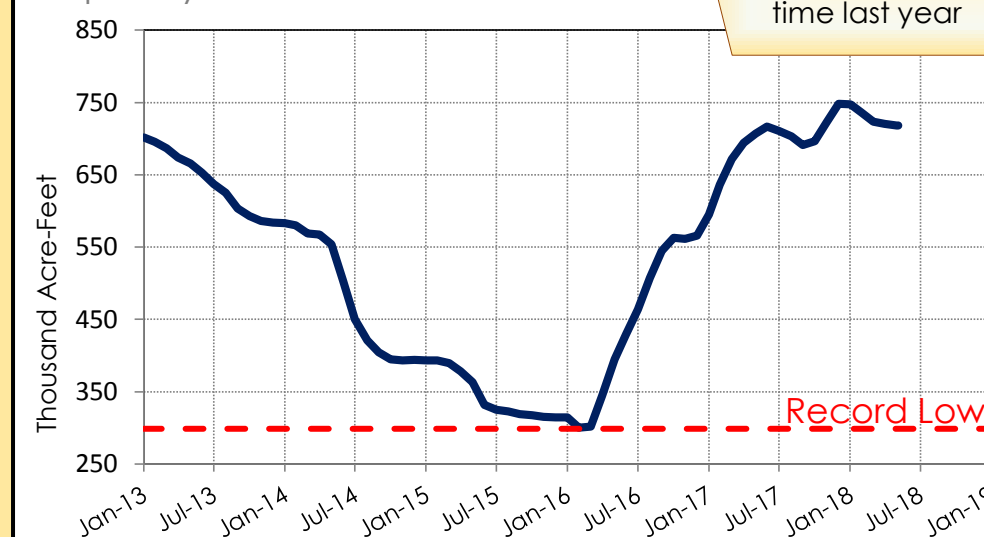
Highlights

- Statewide snowpack peaked at 58% of April 1 normal
- Sacramento River Runoff forecast is 72% of normal
- Snowpack in the Upper Colorado River Basin peaked at 74% of April 1 normal
- Lake Powell inflow forecast is at 49% of normal

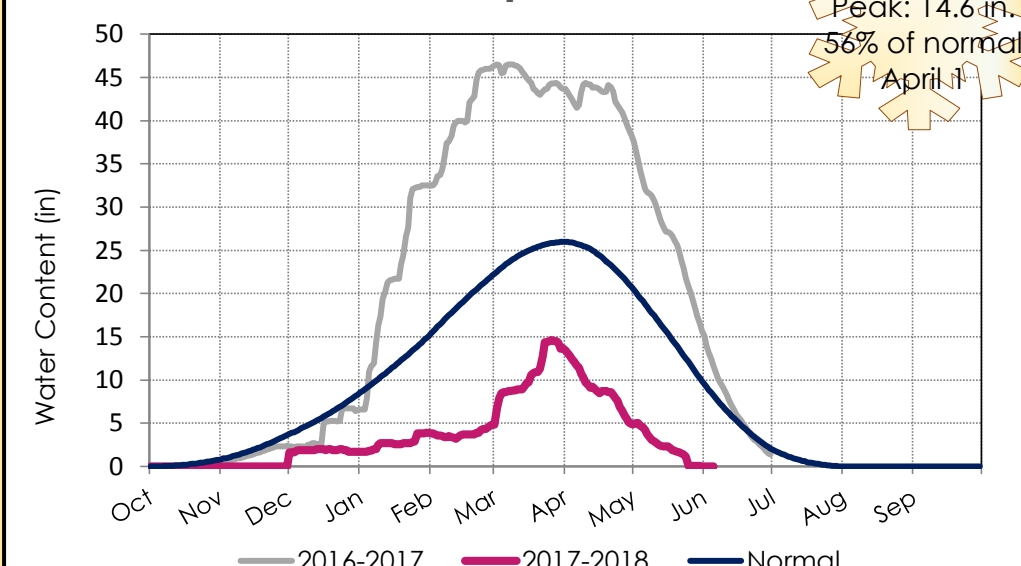
Diamond Valley Lake Storage

Capacity: 810 TAF

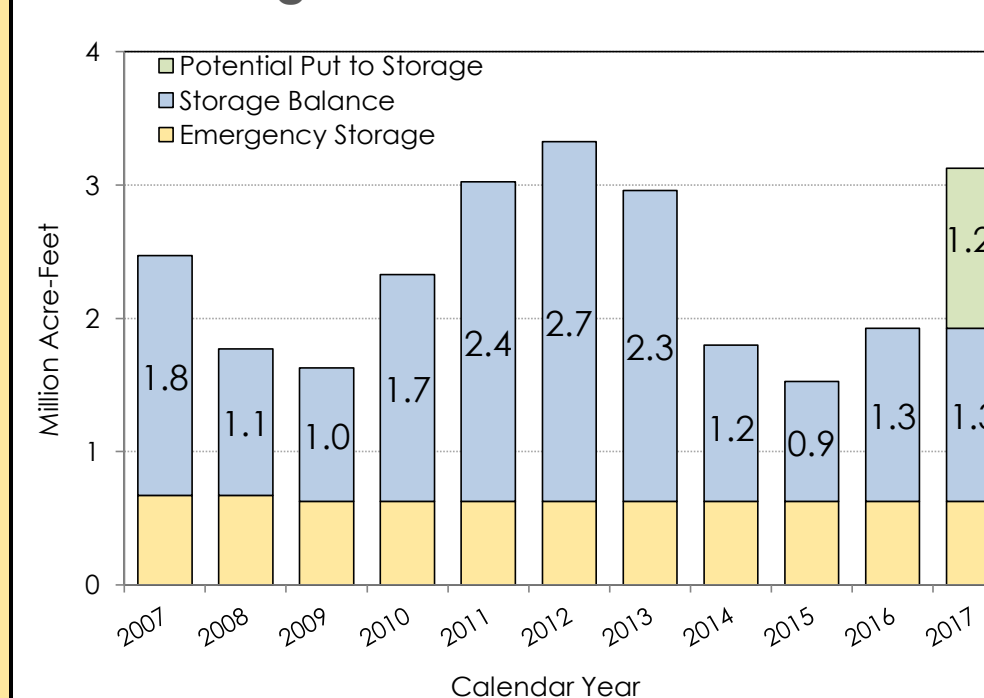
10 TAF more in storage than this time last year



Southern Sierra Snowpack



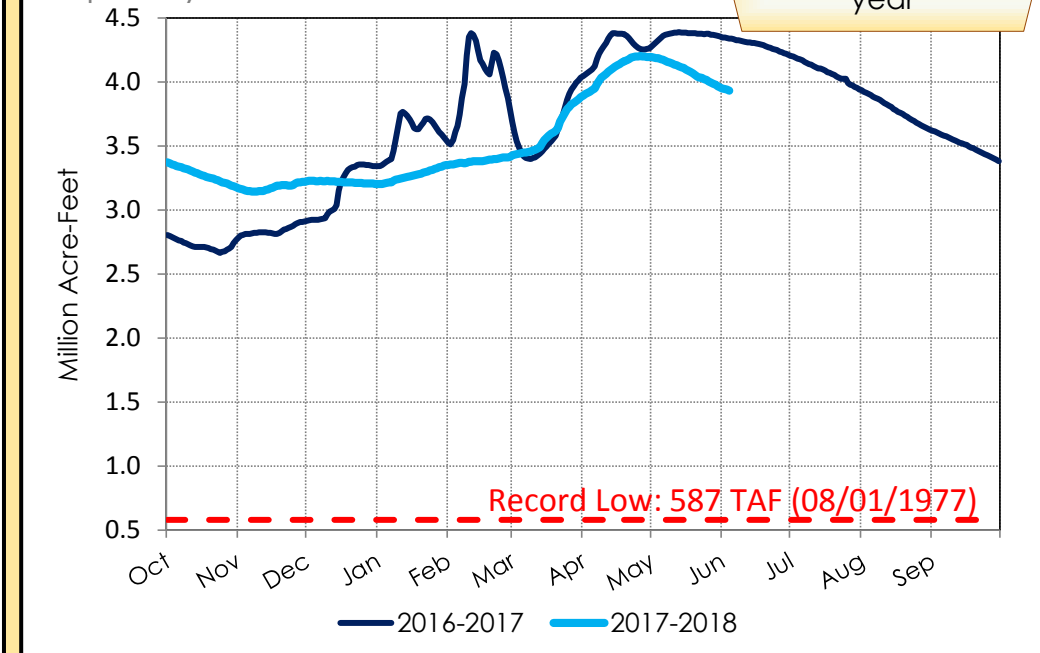
MWD Storage Reserve Levels



Lake Shasta Reservoir Storage

Capacity: 4.55 MAF

409 TAF less in storage than this time last year



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

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

This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters



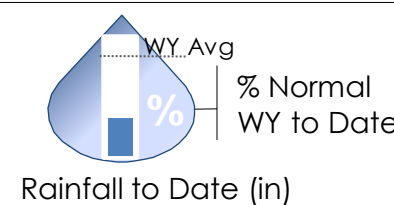
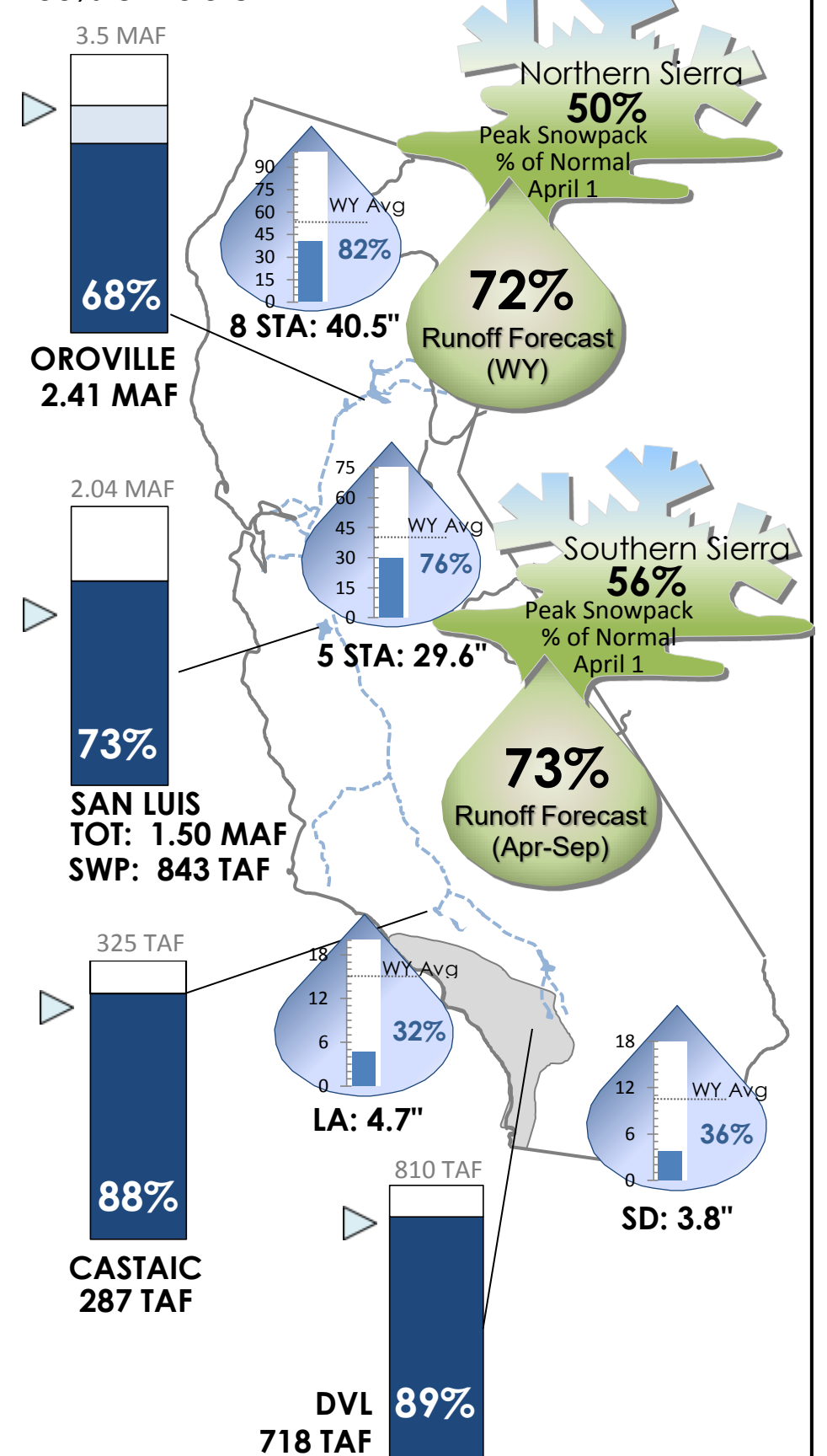
Water Supply Conditions Report

As of: 06/04/2018

2018 SWP Allocation

669,025 AF

35% of Table A



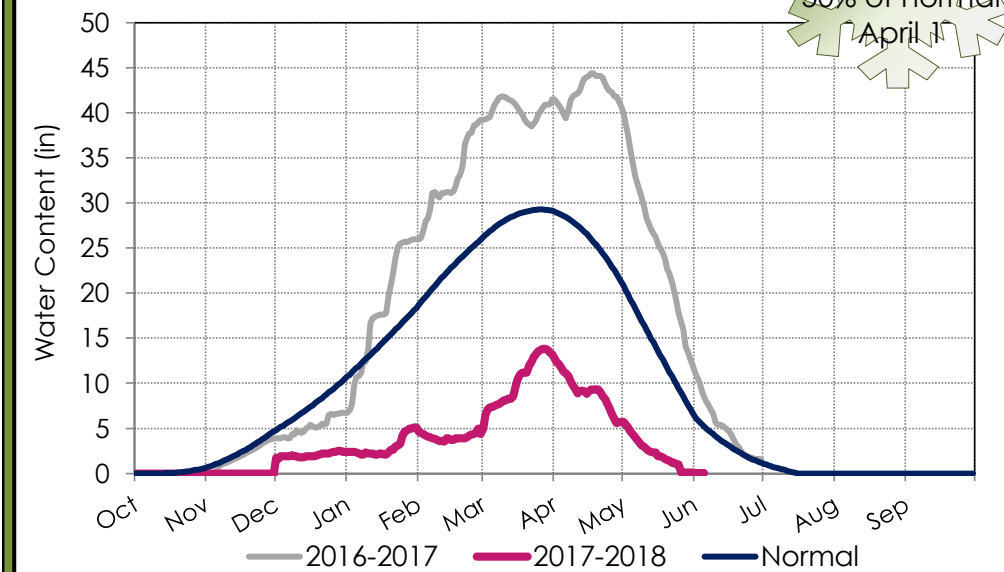
Flip Over for CRA Data

Turn page for more SWP Data

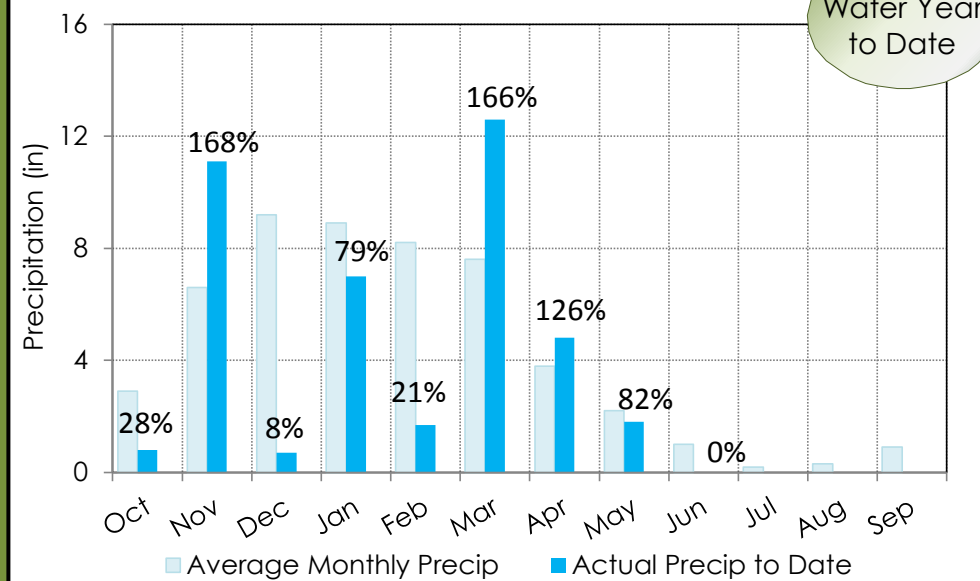
As of: 06/04/2018

State Water Project Resources

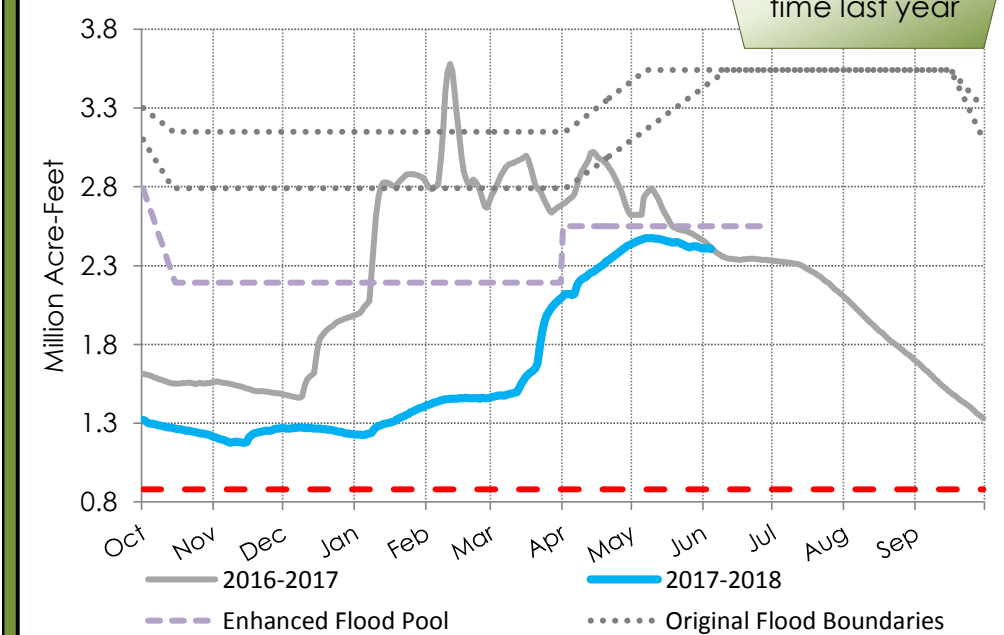
Northern Sierra Snowpack



8 Station Index Precip

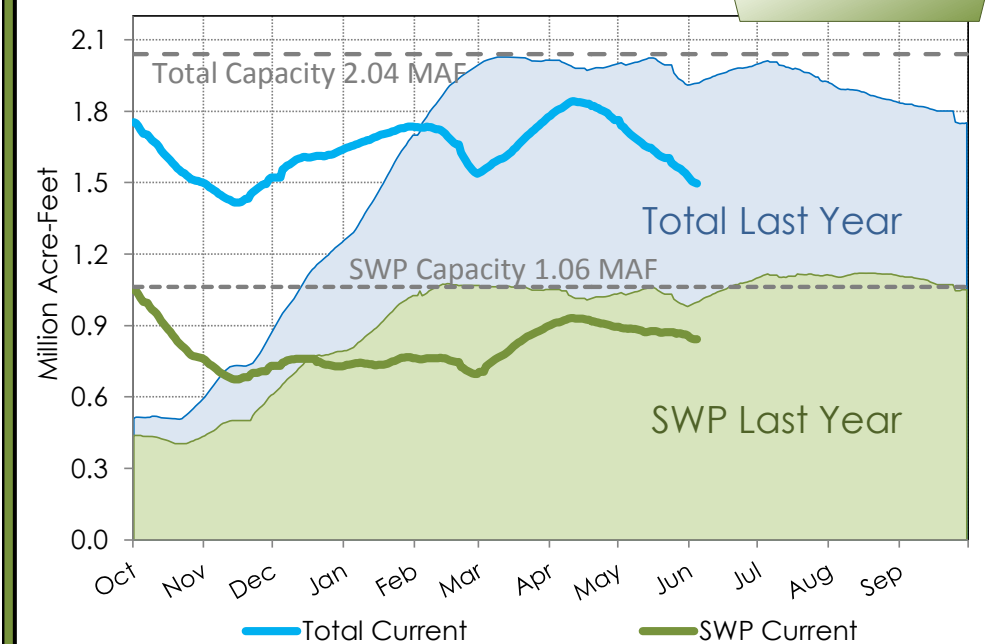


Oroville Reservoir Storage

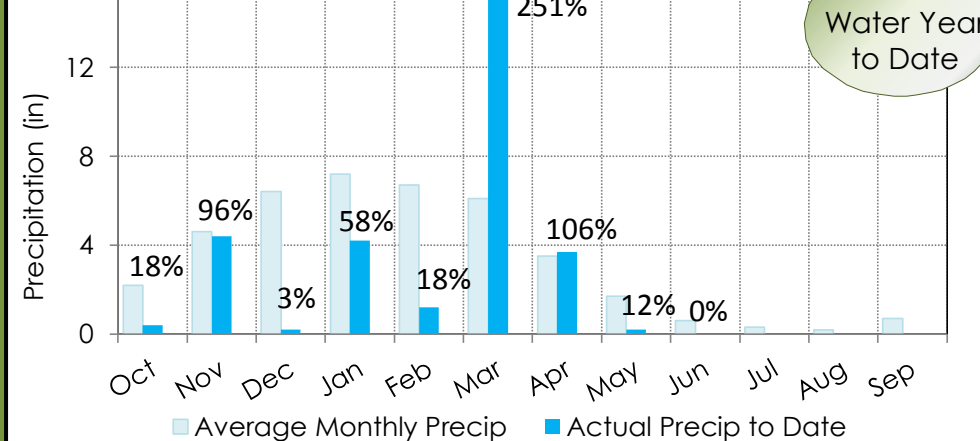


San Luis Reservoir Storage

Capacity: 2.04 MAF



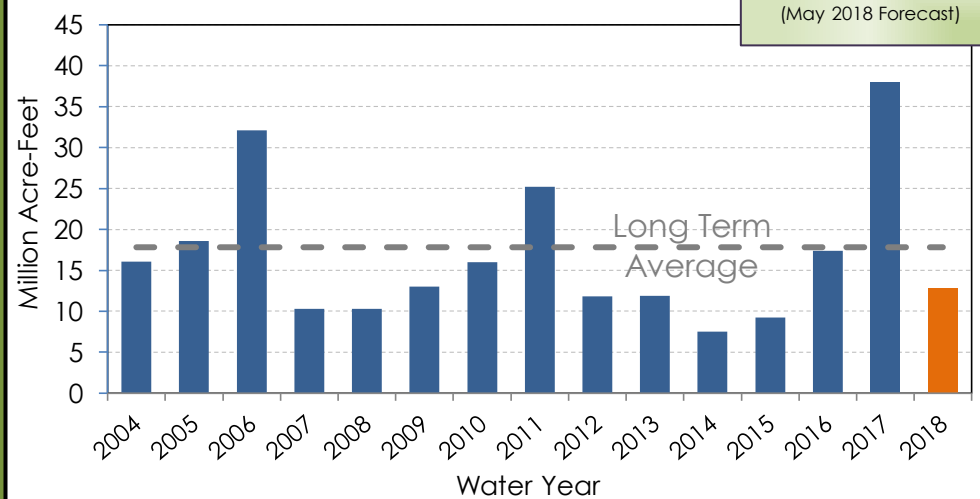
5 Station Index Precip



Other SWP Contract Supplies for 2018 (AF)

Transfer/Exchanges	16,500
Article 21	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	297,000

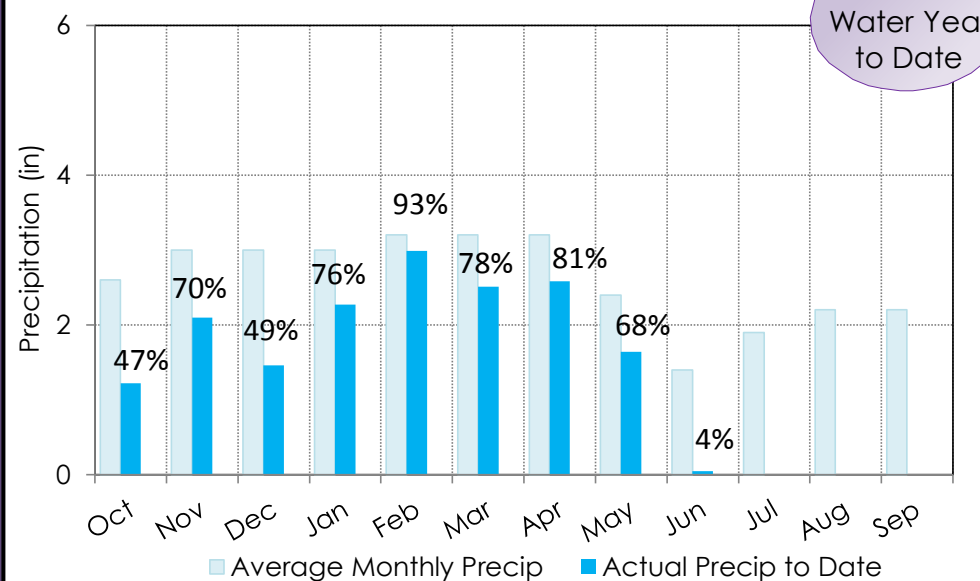
Sacramento River Runoff



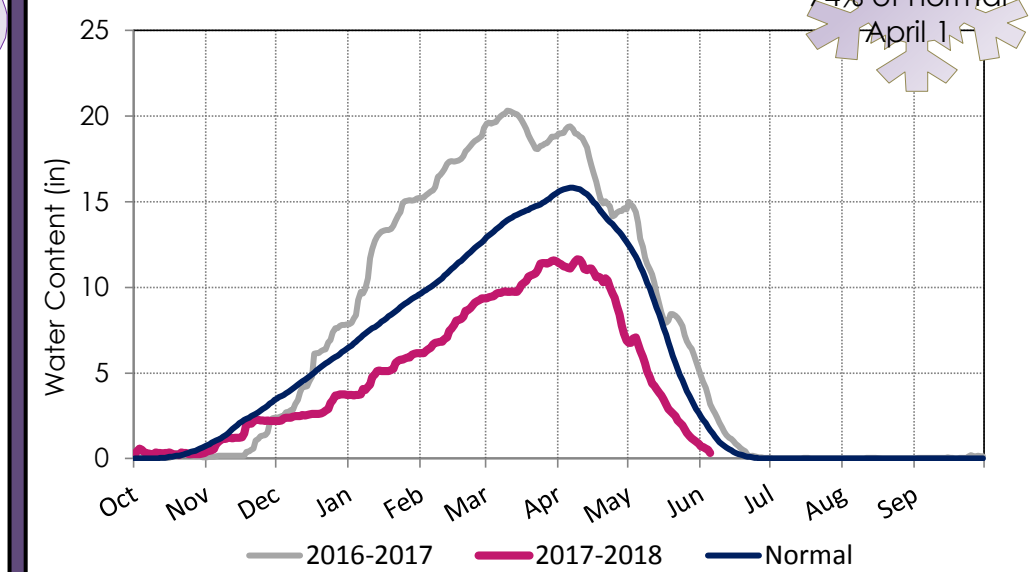
Colorado River Resources

As of: 06/04/2018

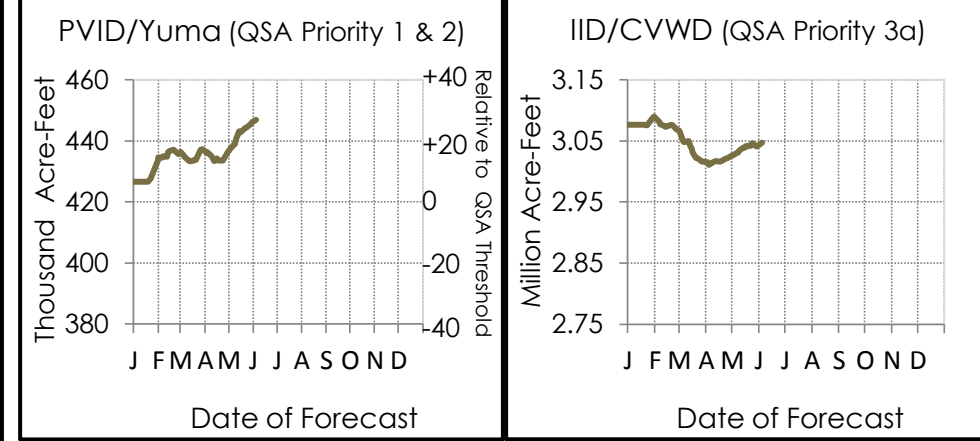
Upper Colorado Basin Precip



Upper Colorado Basin Snowpack



2017 Colorado River Ag Use

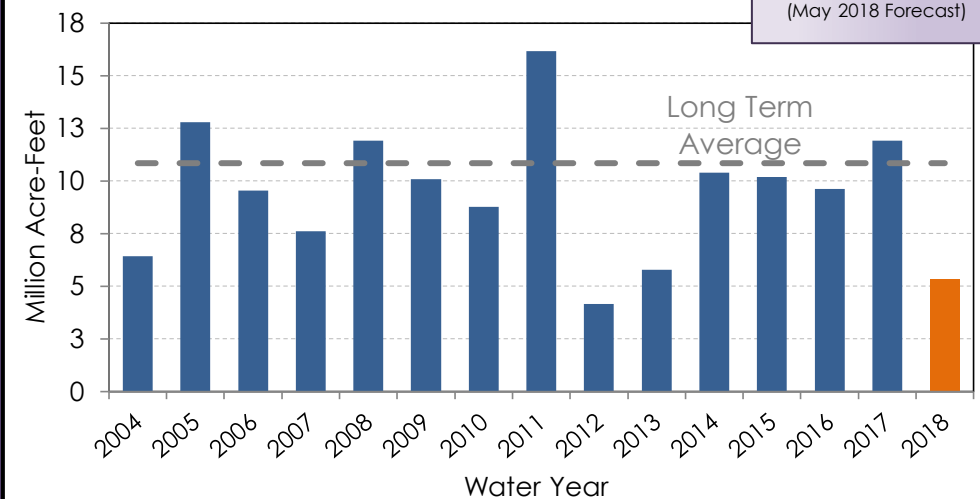


Lake Mead Shortage/Surplus Outlook

	2019	2020	2021	2022	2023
Shortage	0%	52%	64%	68%	65%
Surplus	0%	0%	3%	6%	10%

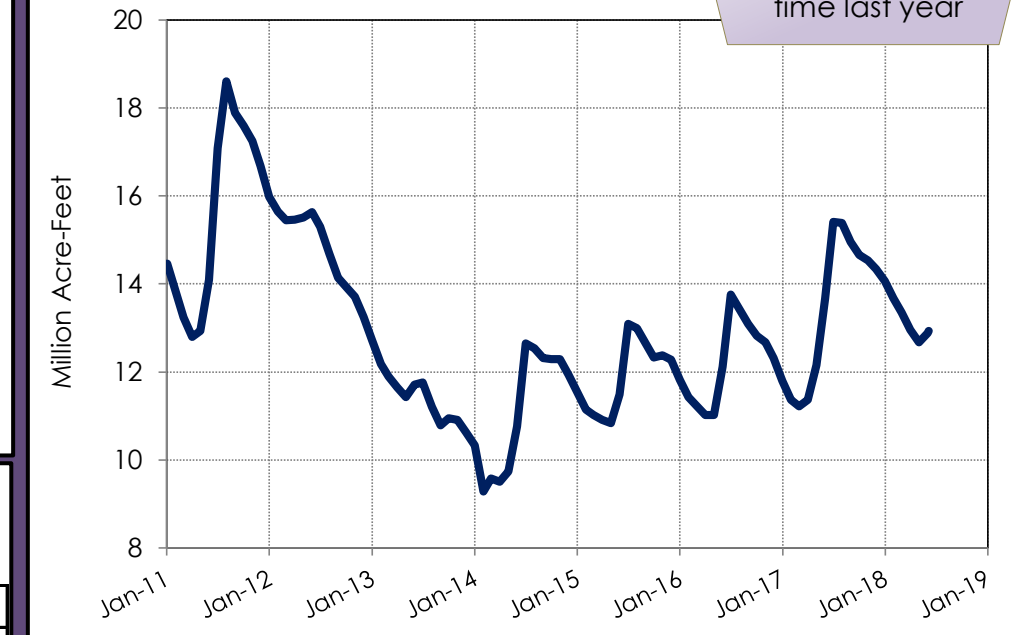
Likelihood based on results from the April 2018 USBR MTOM/CRSS model run.

Powell Unregulated Inflow



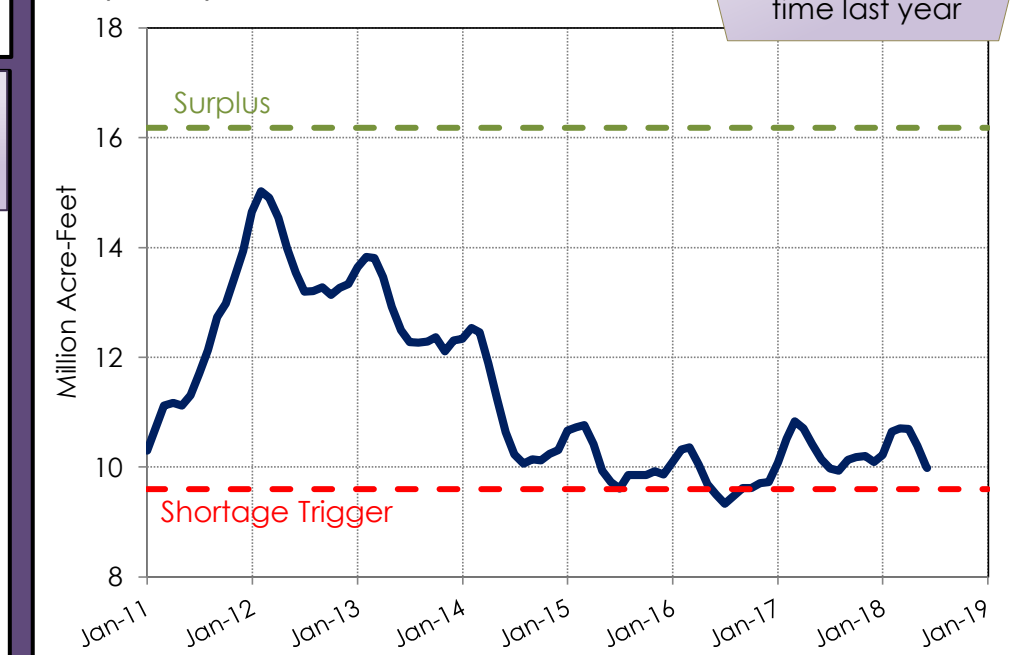
Lake Powell Storage

Capacity: 24.3 MAF



Lake Mead Storage

Capacity: 26.1 MAF





Memorandum

DATE: June 15, 2018
TO: Member Agencies – MWD OC Division Five
FROM: Sat Tamaribuchi, Director – Division Five
SUBJECT: Monthly Water Usage Data, Tier 2 Projection & Water Supply Information

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

- OC Water Usage, Monthly by Supply OCWD Groundwater was the main supply in April.
- OC Water Usage, Monthly, Comparison to Previous Years Water usage in April 2018 was slightly below average compared to the last 5 years. We are seeing a slight increase in overall water usage compared to the previous two Fiscal Years. In June 2016, all water conservation became voluntary for MWD OC agencies and the Great California Drought was declared over by the Governor in April 2017.
- Historical OC Water Consumption OC water consumption is projected to be 535,000 AF in FY 2017-18 (*this includes ~15 TAF of agricultural usage and non-retail water agency usage*). This is about 16,000 AF more than FY 2016-17 and is about 44,000 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 149 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

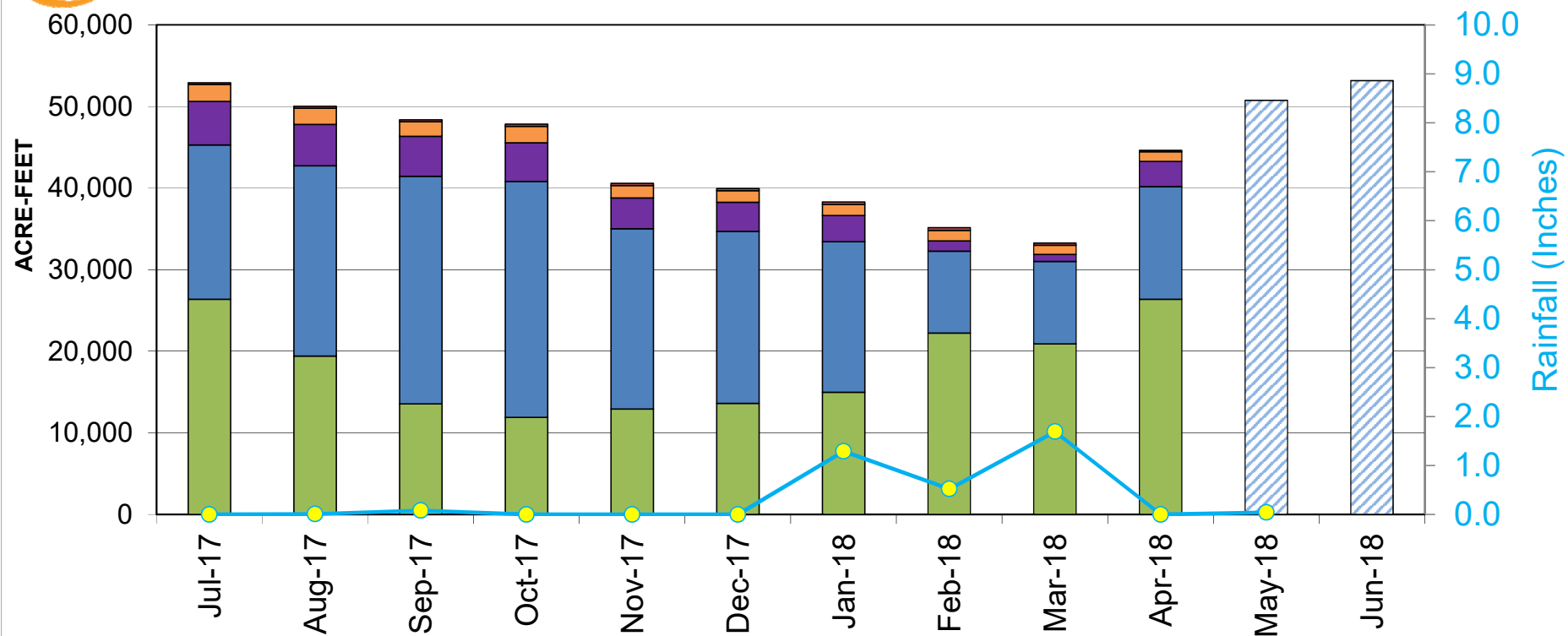
Water Supply Information Includes data on Rainfall in OC; the OCWD Basin overdraft; Northern California and Colorado River Basin hydrologic data; the State Water Project (SWP) Allocation, and regional storage volumes. The data have implications for the magnitude of supplies from the three watersheds 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 early May was well below average for this period. Water year to date rainfall in Orange County is 3.66 inches which is 29% of normal.

- Northern California accumulated precipitation through early June was around 85% of normal for this period. Water Year 2017 was the wettest water year on record. The Northern California snowpack was 43% of normal as of April 1st. The State of California was in a declared Drought Emergency that started January 2014 and just recently ended in April of 2017. As of late May, 37.1% of California is experiencing moderate or severe drought conditions while 69.5% of the state is experiencing abnormally dry conditions. The State Water Project Contractors Table A Allocation has increased to 30% as of late April.
- Colorado River Basin accumulated precipitation through early June was 70% average for this period. The Upper Colorado Basin snowpack was 71% of normal as of April 3. Lake Mead and Lake Powell combined have about 64% of their average storage volume for this time of year and are at 45.7% of their total capacity. If Lake Mead's level falls below a "trigger" limit 1,075 ft. at the end of a calendar year, then a shortage will be declared by the US Bureau of Reclamation (USBR), impacting Colorado River water deliveries to the Lower Basin states. As of late May, Lake Mead levels were 5.4' above the "trigger" limit. The USBR predicts that the start of 2019 will not hit the "trigger" level but there is a 52% chance that the trigger level will be hit in 2020.



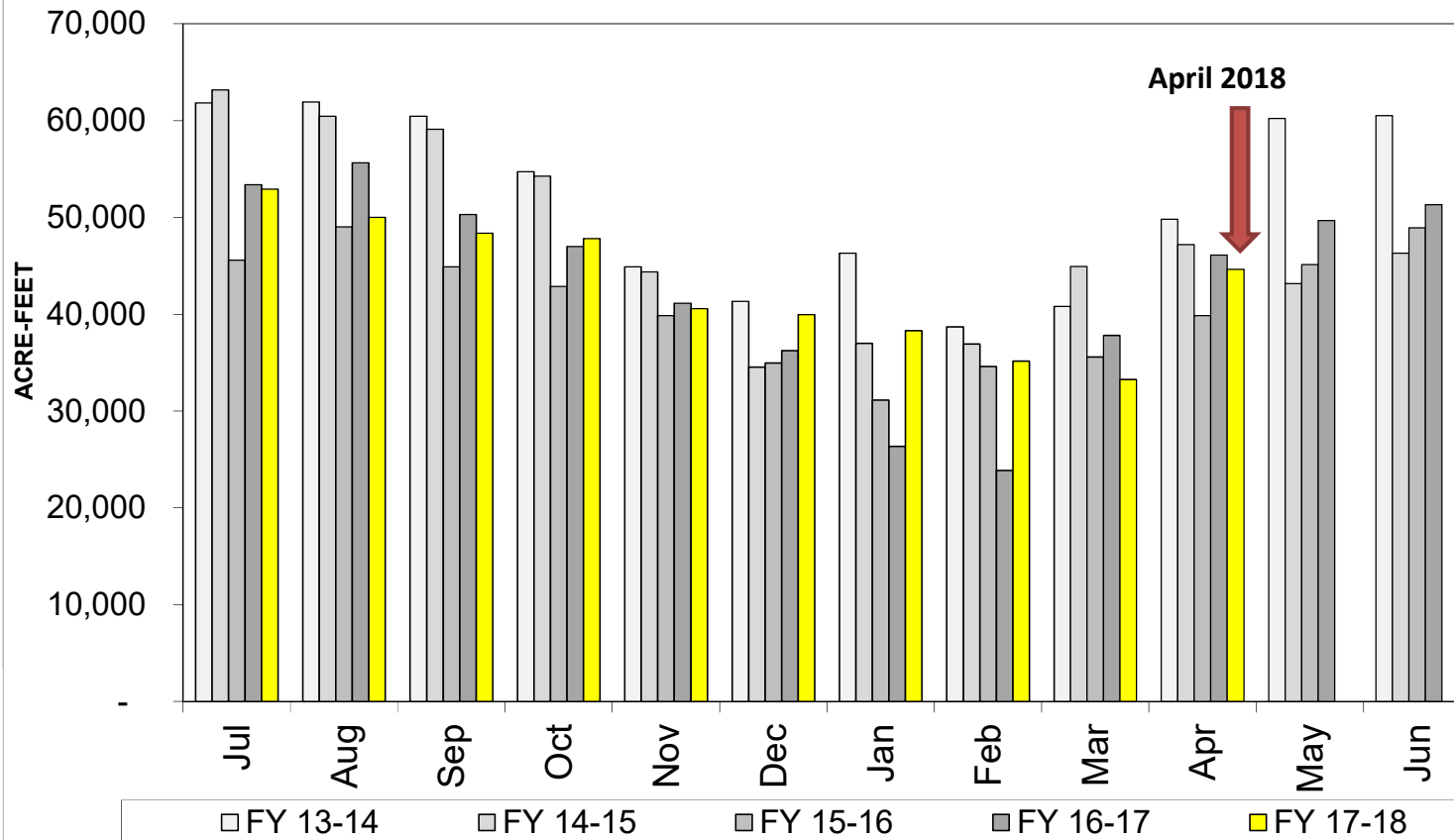
Fig. 1 OC Water Usage, Monthly by Supply with projection to end of fiscal year



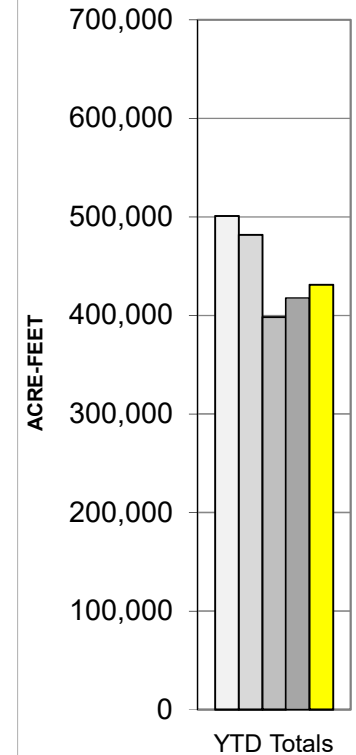
- [1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water, "Barrier Replenishment" deliveries, and deliveries into Irvine Lake.
- [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '17-18 is 75%.
- [3] MWD OC's estimate of monthly demand is based on the projected FY 15-16 "Retail" water demand and historical monthly demand patterns.
- [4] Total water usage includes IRWD groundwater agricultural use and usage by non-retail water agencies.



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

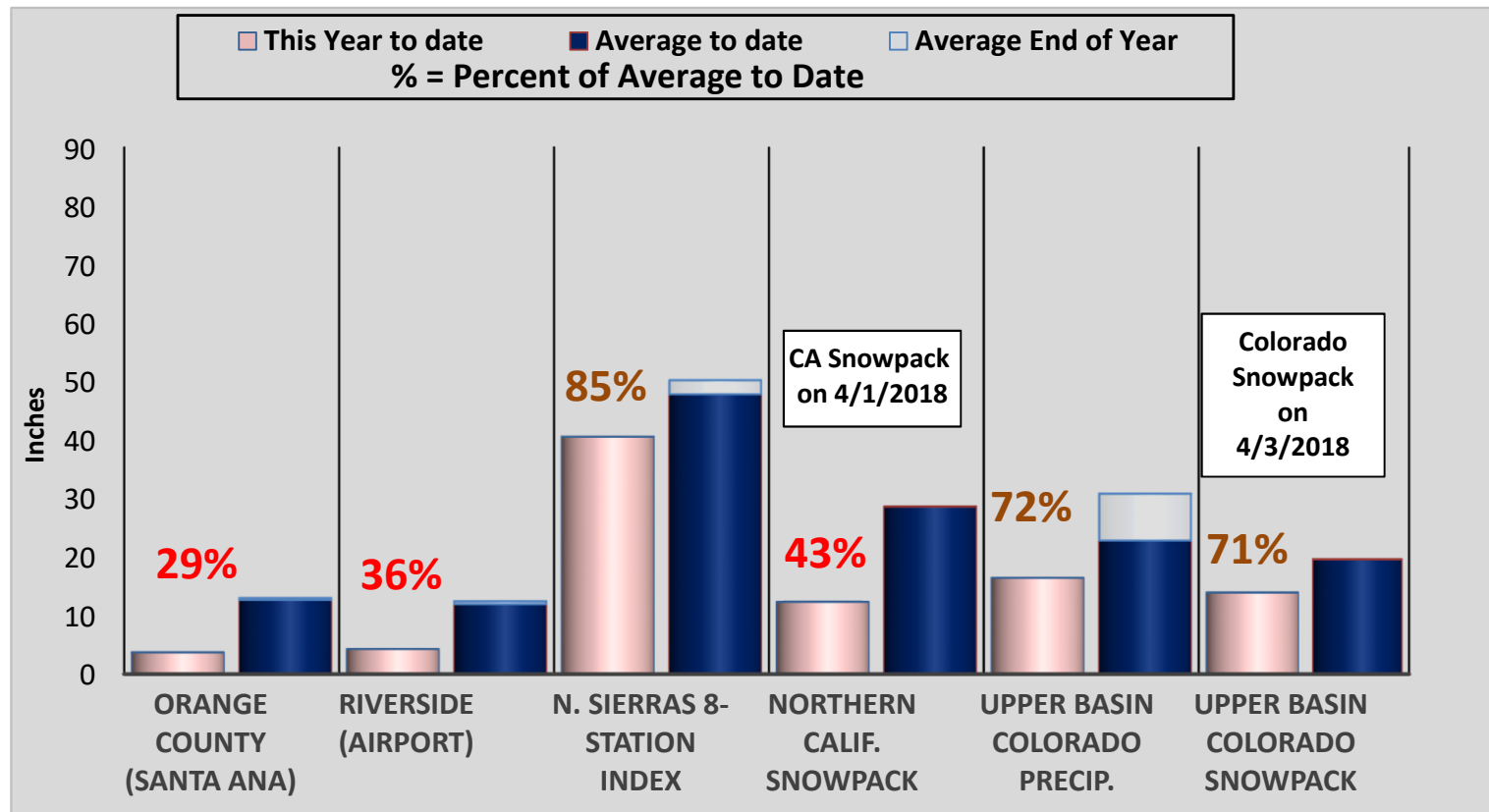


Partial Year Subtotals



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

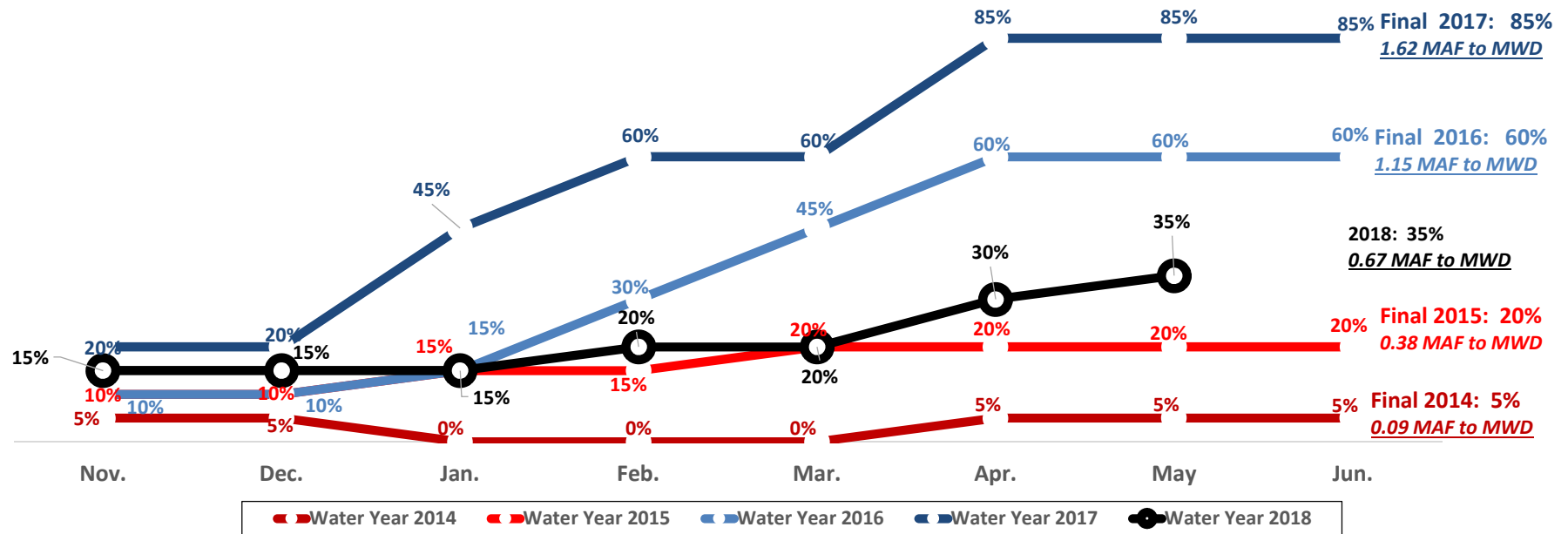
Accumulated Precipitation for the Oct.-Sep. water year, through late May 2018



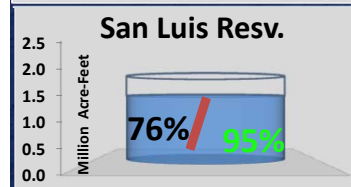
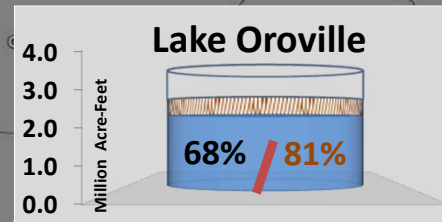
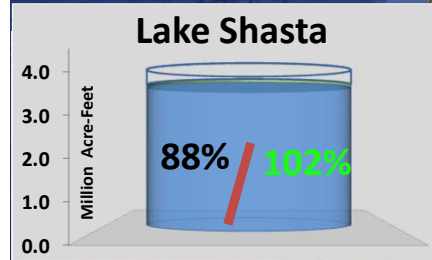
* The date of maximum snowpack accumulation (April 1st in Northern Calif. , April 15th in the Upper Colorado Basin) is used for year to year comparison.

SWP TABLE A ALLOCATION

FOR STATE WATER PROJECT CONTRACTORS



State Water Project, Colorado River, and MWD Reservoir Storage
as of May 29, 2018



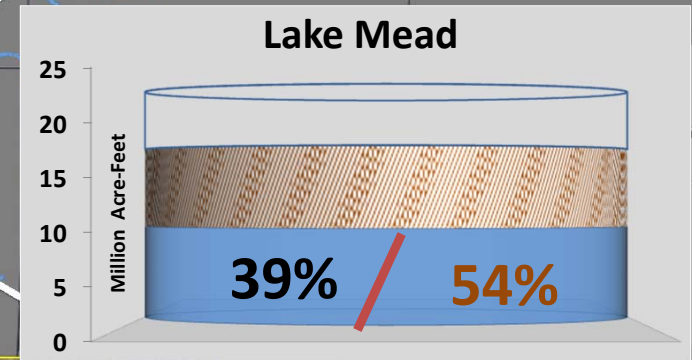
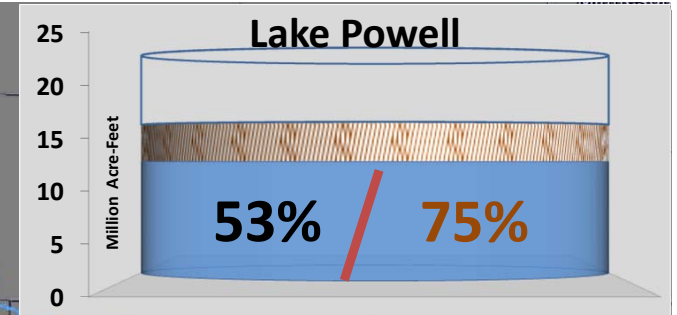
% of Capacity

% of Historical Avg.

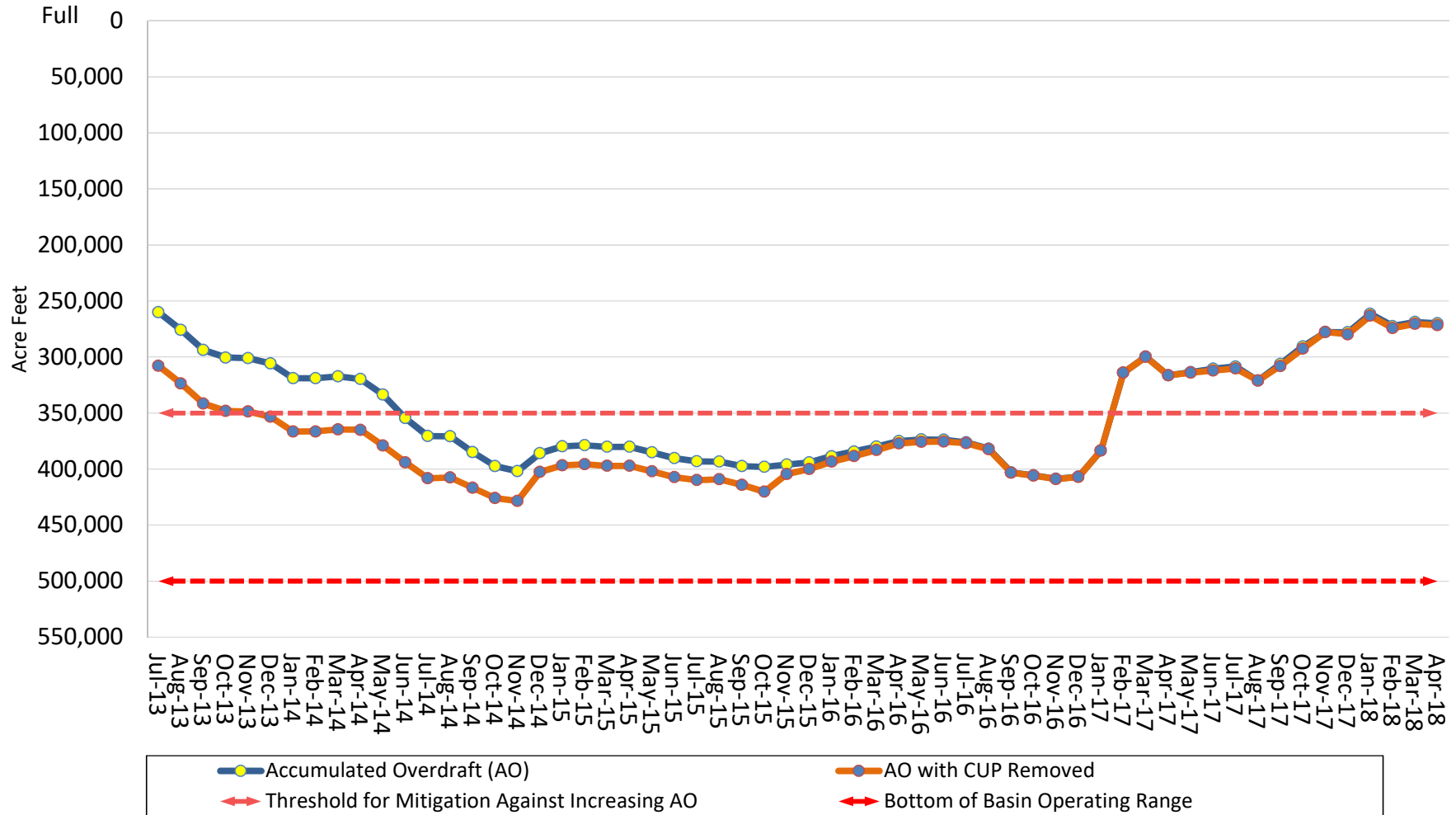
© 2015 INEOL



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



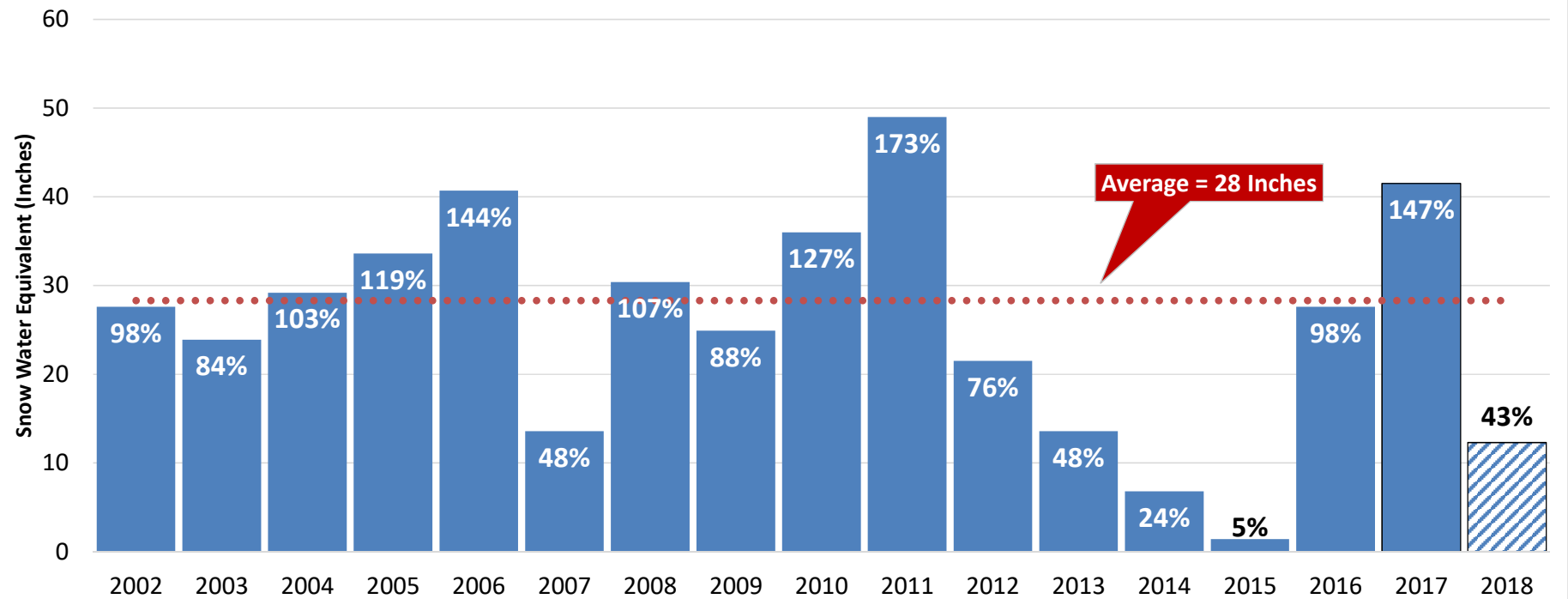
Accumulated Overdraft of the OCWD Groundwater Basin as of April 2018



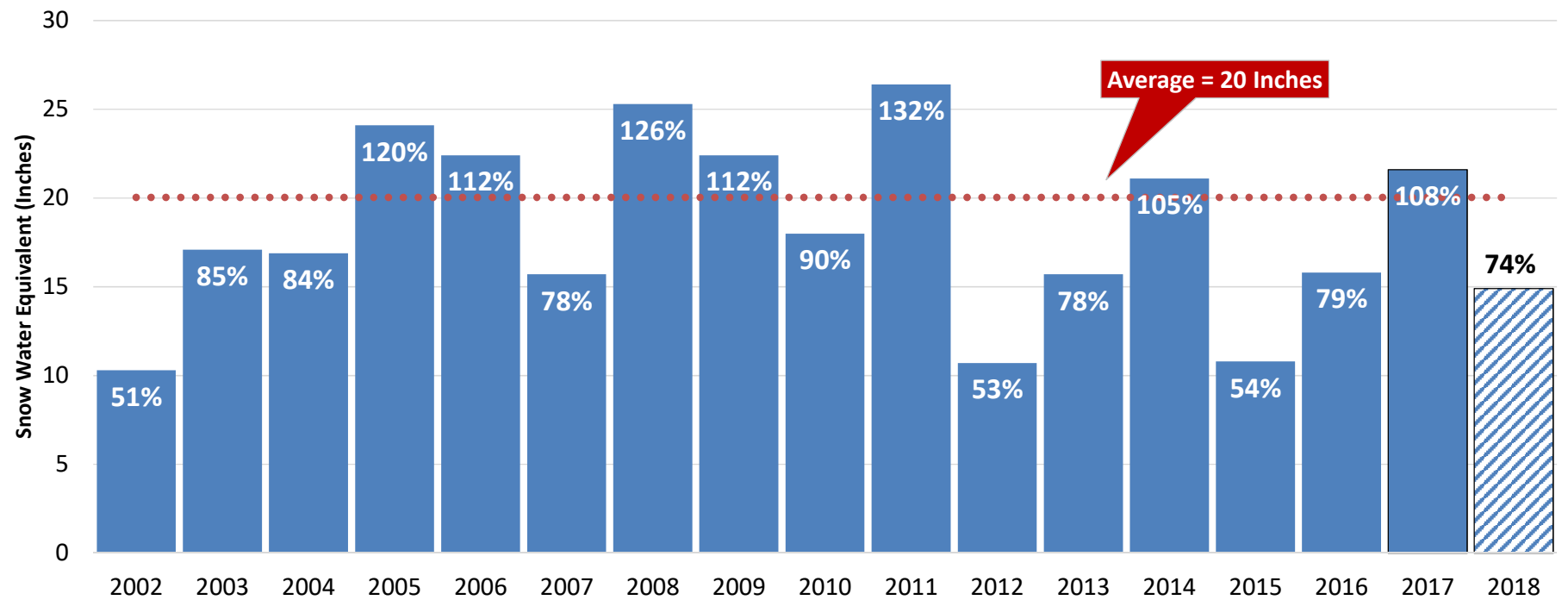
	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
AO (AF)	376,310	381,800	403,047	405,635	408,729	406,832	383,548	314,004	299,755	316,286	313,468	310,434
AO w/CUP removed (AF)	376,864	382,340	403,223	405,811	408,906	407,009	383,548	314,004	299,931	316,462	314,009	312,164
	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
AO (AF)	308,488	321,131	306,280	290,800	277,691	278,056	261,521	272,475	268,752	269,889		
AO w/CUP removed (AF)	310,216	321,131	308,007	292,522	277,691	279,776	263,237	274,188	270,463	271,601		



Historical Northern California April 1st Peak Snow Water Equivalent

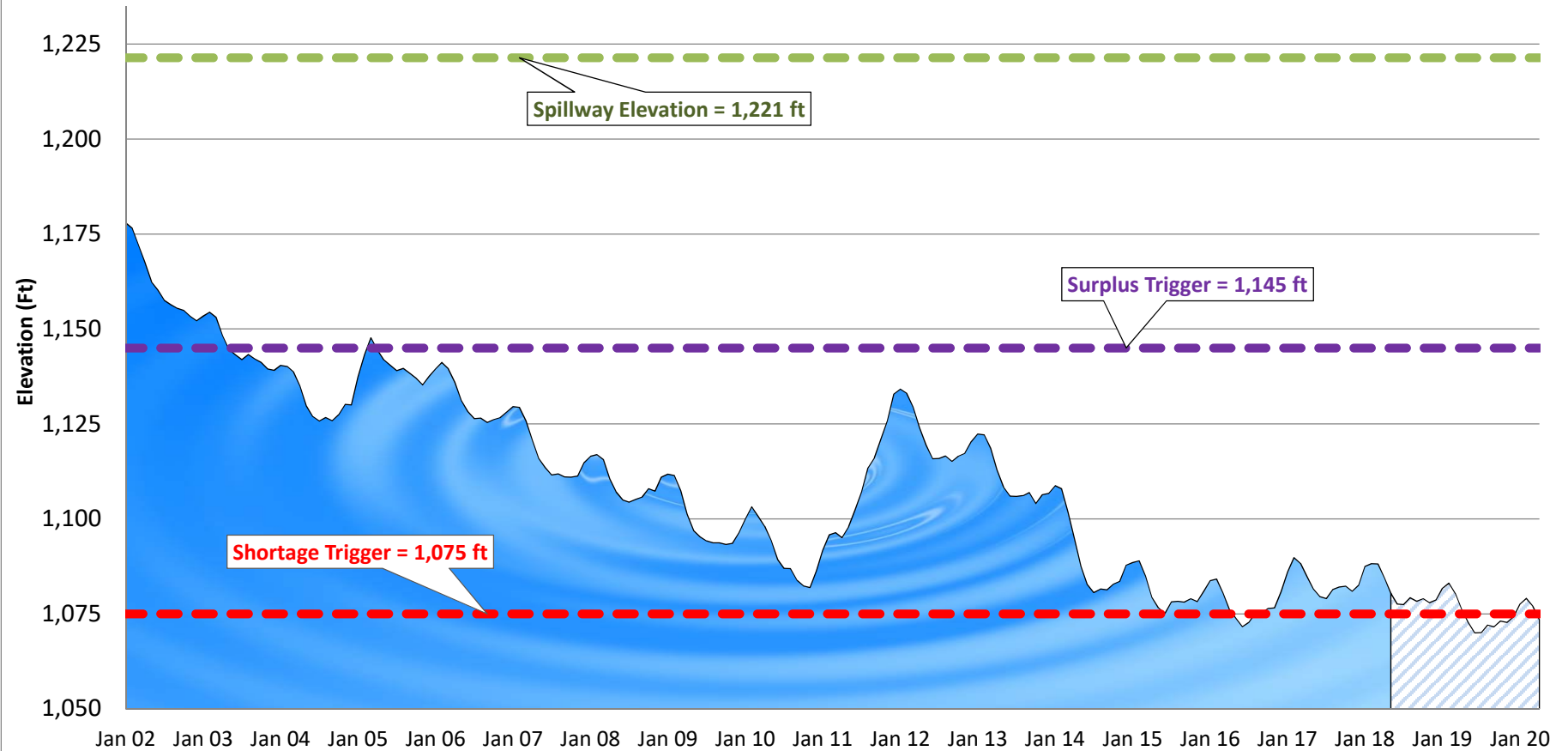


Historical Colorado Basin April 15th Peak Snow Water Equivalent



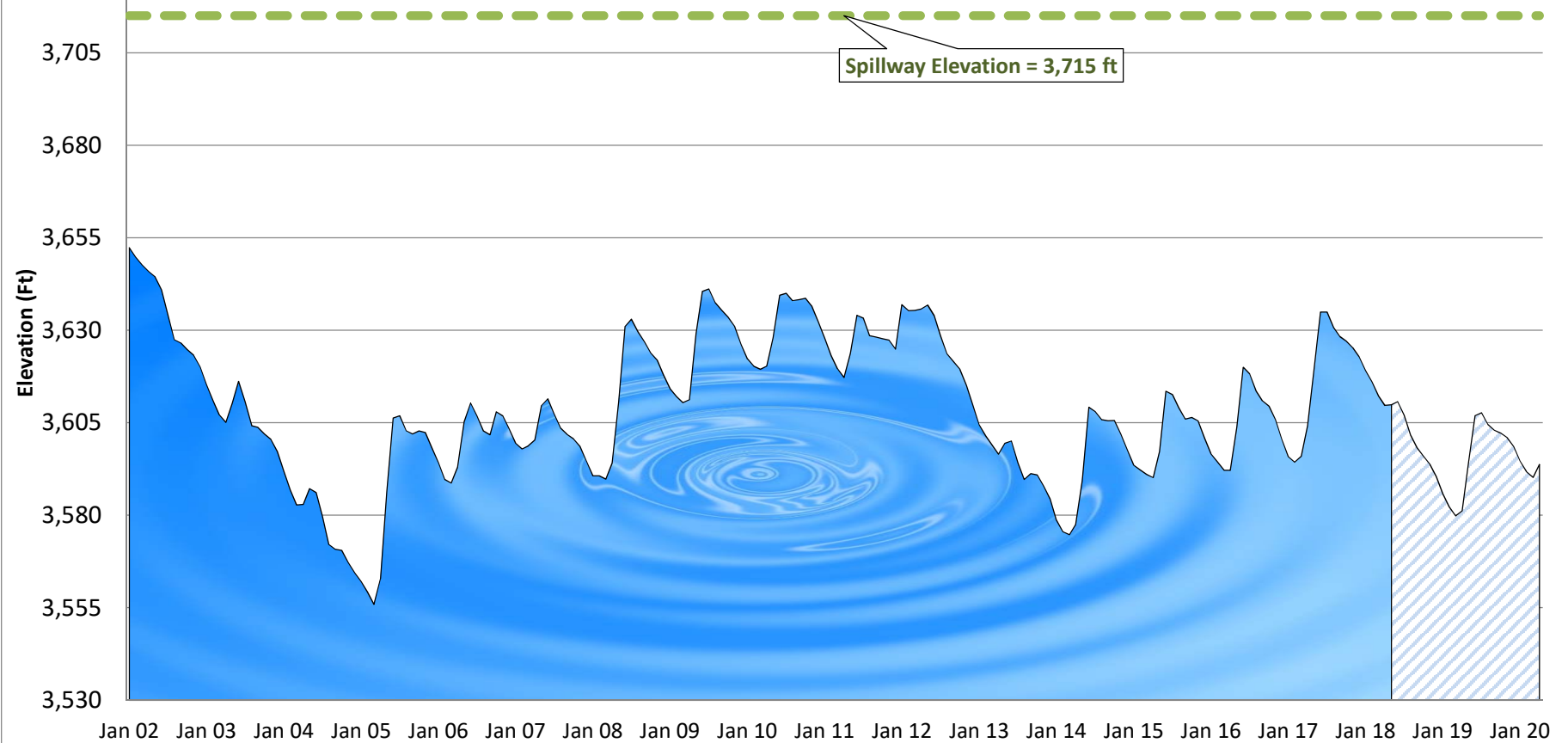
Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected



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

■ Historical ■ Projected



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

MONTH ENDING:

May

2018

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	12,400			
Laguna Woods Village	7,400			
New World				
Private System				
Hot Spots	25,832			
ETWD TOTALS:	45,632			
SANTA MARGARITA TOTALS:				
COMBINED TOTALS:	45,632			
TV INSPECTIONS	FOOTAGE	COMMENTS:		
Outside Laguna Woods Village				
Laguna Woods Village	5,686			
New World				
Private System				
Other				
TOTAL	5,686			
Wet Wells	Number	3	MATHIS, WESTLINE, DELTA	
Flow Meter/Sampling	Number			
WATER TANK FILLS	42	42,000		

WILL SERVE REQUEST STATUS REPORT

(May 2018)

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
6/21/17	23961 Calle De La Magdalena Investors, LLC	Calle De La Magdalena Fire Service	ND	23961 Calle De La Magdalena	Issued	6/28/17
6/22/17	Precision Hospitality & Development, LLC	Dunkin Donuts	ND	23771 El Toro Rd.	Issued	7/24/17
9/14/17	Elite Hospitality, Inc.	Home 2 Suites	ND	23061 Ave. de la Carlota	Issued	9/14/17
11/14/17	Laguna Hills Investment Company	Oakbrook Village Bldg. D	ND	24231 Ave. de la Carlota	Issued	12/19/17
1/3/18	PS Business Parks, L.P.	GameCraft Brewing	TI	23301 Ave. de la Carlota	Issued	3/6/18

ND = New Development

TI = Tenant Improvement

EL TORO WATER DISTRICT
UNAUTHORIZED DISCHARGE SUMMARY
YEAR OF 2018

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	SPILED	CONTAINED	SPILED	
January 29, 2018	Private	Sewer	23875 Syacmore Mission Viejo	Lateral Blockage	Ran Clean out in front yard, broke stoppage	N/A	N/A	Collections returned 1/30/18 to TV line	9	Yard			18		Notified OCEH, RWQCB-9, City of Mission Viejo
February	No		Spill		to			Report							
March 24, 2018	Private	Sewer	23632 El Toro Rd Lake Forest	Lateral Blockage	Vactored spill, cleaned up parking lot, turned AMS off to two restaurants to help stop spill.	N/A	N/A	Plumbers broke stoppage the next morning. Turned water on to two business's	9	Parking lot Storm Drain			15	55	Notified OCEH, RWQCB-9, City of Lake Forest
April 5, 2018	Private	Sewer	24400 Muirlands Blvd. Lake Forest	Grease Blockage	Vactored spill, ran the line and broke up stoppage Notified Agencies	N/A	N/A	Crew used 100 gallons of potable water to clean up area	8	Private Parking lot, storm drain			20	80	Notified OCEH, RWQCB-8, City of Lake Forest
April 28, 2018	Private	Sewer	84 Calle Argon Laguna Woods	Lateral Blockage / Roots	Put out sand bags to contain spill. Vactor was brought in to jet the line and break up blockage	N/A	N/A	Used about 200 gallons of potable water to wash down spill and vactored it up Informed cust. to TV the line	9	Private Parking lot			60	60	Notified OCEH, RWQCB-9, City of Laguna Woods
May	No		Spill		to			Report							
LEGEND											0	0	113	195	
			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 2015-2018 (AF)	ET 2015-2018	Delta (AF)	Delta %	Residential % of Total 2015-2018	Residential Usage 2015-2018 (AF)	GPCD 2015-2018	RW 2013 (AF)	RW 2015-2018 (AF)
Jun-15	996.66	6.00	773.57	5.73	-223.09	-22%	61.75%	477.68	107	62.62	55.65
Jul-15	1,016.80	5.80	723.00	5.95	-293.8	-29%	60.26%	435.68	94	56.51	87.87
Aug-15	1,042.70	6.55	790.17	6.24	-252.53	-24%	61.06%	482.48	104	49.34	124.29
Sep-15	963.00	5.26	663.40	4.96	-299.6	-31%	63.32%	420.06	94	46.06	101.44
Oct-15	811.60	3.92	613.70	3.86	-197.9	-24%	61.46%	377.18	82	25.45	90.39
Nov-15	684.20	2.51	528.90	3.26	-155.3	-23%	64.97%	343.63	77	16.87	58.30
Dec-15	593.20	2.49	430.70	2.36	-162.5	-27%	67.92%	292.53	63	15.55	32.44
Jan-16	543.15	2.53	417.00	1.89	-126.15	-23%	75.41%	314.46	68	13.00	23.43
Feb-16	502.41	2.89	455.20	3.83	-47.21	-9%	74.80%	340.50	79	18.35	55.08
Mar-16	736.34	4.06	474.45	3.99	-261.89	-36%	70.86%	336.20	73	35.55	52.33
Apr-16	825.00	4.82	526.00	5.15	-299	-36%	71.43%	375.72	84	53.97	105.24
May-16	874.56	5.97	621.70	4.65	-252.86	-29%	67.21%	417.84	90	62.80	133.64
Jun-16	996.66	6.00	731.50	5.81	-265.16	-27%	66.57%	486.96	109	62.62	172.45
Jul-16	1,016.80	5.80	770.10	6.78	-246.7	-24%	67.21%	517.56	112	56.51	195.68
Aug-16	1,042.70	6.55	753.50	5.96	-289.2	-28%	64.76%	488.00	105	49.34	198.34
Sep-16	963.00	5.26	672.80	4.50	-290.2	-30%	65.56%	441.09	99	46.06	160.69
Oct-16	811.60	3.92	600.30	3.23	-211.3	-26%	65.59%	393.77	85	25.45	110.38
Nov-16	684.20	2.51	524.60	2.76	-159.6	-23%	69.16%	362.81	81	16.87	80.81
Dec-16	593.20	2.49	429.60	1.91	-163.6	-28%	71.19%	305.82	66	15.55	49.90
Jan-17	543.15	2.53	357.22	1.99	-185.93	-34%	78.25%	279.51	60	13.00	27.75
Feb-17	502.41	2.89	341.84	1.77	-160.57	-32%	79.10%	270.39	65	18.35	21.00
Mar-17	736.34	4.06	544.19	4.27	-192.15	-26%	77.34%	420.88	91	35.55	88.91
Apr-17	825.00	4.82	634.95	5.17	-190.05	-23%	69.72%	442.66	99	53.97	146.88
May-17	874.56	5.97	669.86	4.70	-204.7	-23%	67.16%	449.91	97	62.80	170.35
Jun-17	996.66	6.00	734.87	5.25	-261.79	-26%	67.01%	492.44	110	62.62	168.67
Jul-17	1,016.80	5.80	849.65	6.34	-167.15	-16%	65.31%	554.91	120	56.51	206.55
Aug-17	1,042.70	6.55	829.15	6.13	-213.55	-20%	64.21%	532.43	115	49.34	201.74
Sep-17	963.00	5.26	684.25	4.80	-278.75	-29%	64.06%	438.35	98	46.06	157.58
Oct-17	811.60	3.92	731.30	3.57	(80.30)	-10%	66.20%	484.11	105	25.45	144.70
Nov-17	684.20	2.51	548.66	2.36	-135.54	-20%	66.12%	362.75	81	16.87	79.64
Dec-17	593.20	2.49	646.24	3.26	53.04	9%	69.45%	448.82	97	15.55	105.69
Jan-18	543.15	2.53	481.56	2.38	-61.59	-11%	71.74%	345.48	75	13.00	59.07
Feb-18	502.41	2.89	529.34	3.12	26.93	5%	71.59%	378.95	91	18.35	92.01
Mar-18	736.34	4.06	526.15	3.72	(210.19)	-29%	71.90%	378.33	82	35.55	43.98
Apr-18	825.00	4.82	638.39	4.82	(186.61)	-23%	72.66%	463.88	104	53.97	140.30
May-18	874.56	5.97	630.76	3.80	(243.80)	-28%	66.48%	419.30	91	62.80	129.23
Total	28,768.86	158.40	21,878.57	150.27	-6890.29	-24%	68.30%	14,773.09	90	1,368.21	3,872.40

Bob Hill

From: SWRCB Office Research, Planning & Performance <drinc@waterboards.ca.gov>
Sent: Friday, June 15, 2018 10:38 AM
To: Bob Hill
Subject: Monitoring Report Acknowledgement for May 2018

Hello Robert Hill

Thank you for your Monitoring Report. Below is the information you have submitted for the month of May 2018. 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	0518
Stage/Mandatory	None No
Days Outside Irrigation	
Total Potable Water Production	630.76 AF
2013 Same Month Production	874.56 AF
CII Water	72.75 AF
Commercial Agricultural Water	0 AF
Commercial Agricultural Water 2013	AF
Recycled Water	129.23 AF
Non-revenue Water	AF
Residential Use Percentage	66.48 %
Population	48628
Estimated R-GPCD	91
Number Complaints	6
Number Follow-ups	6

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

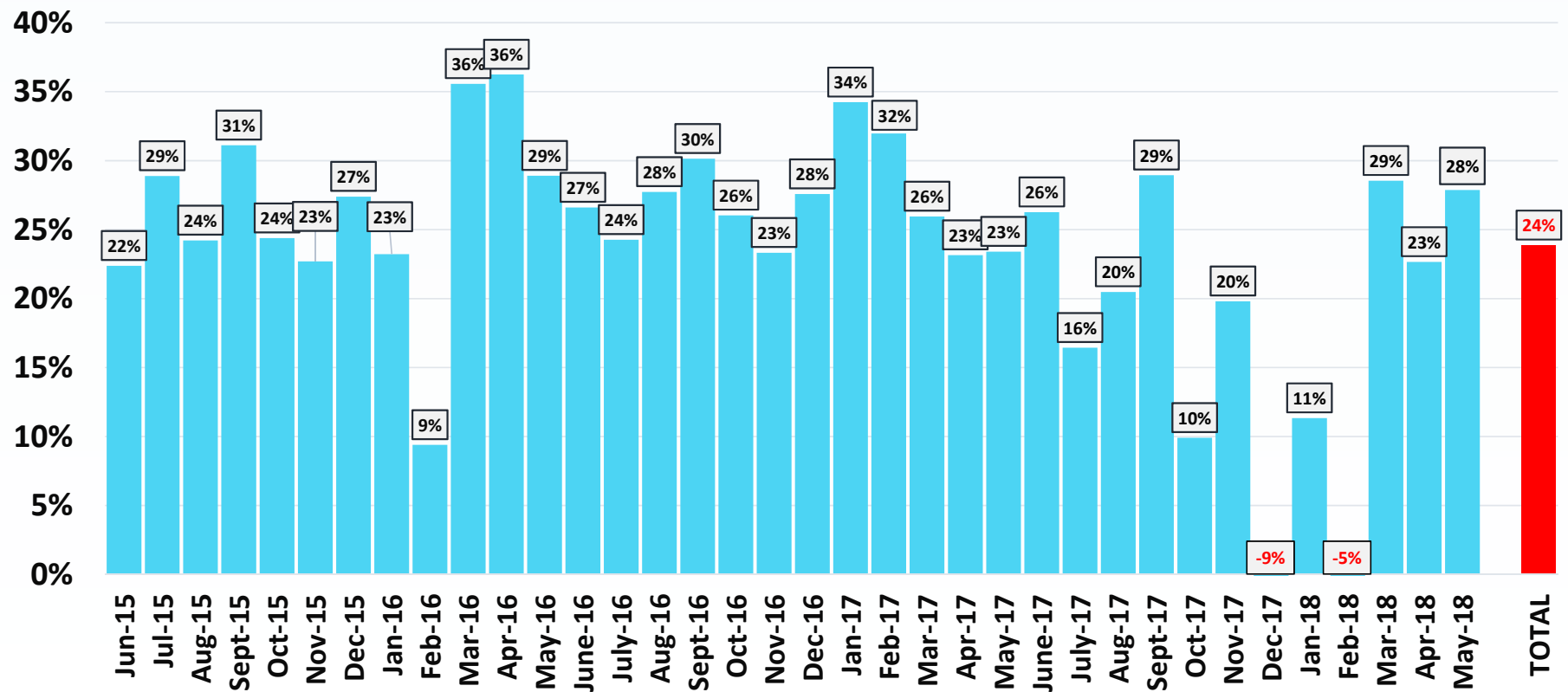
(WRP) Tertiary Treatment Plant

May-18

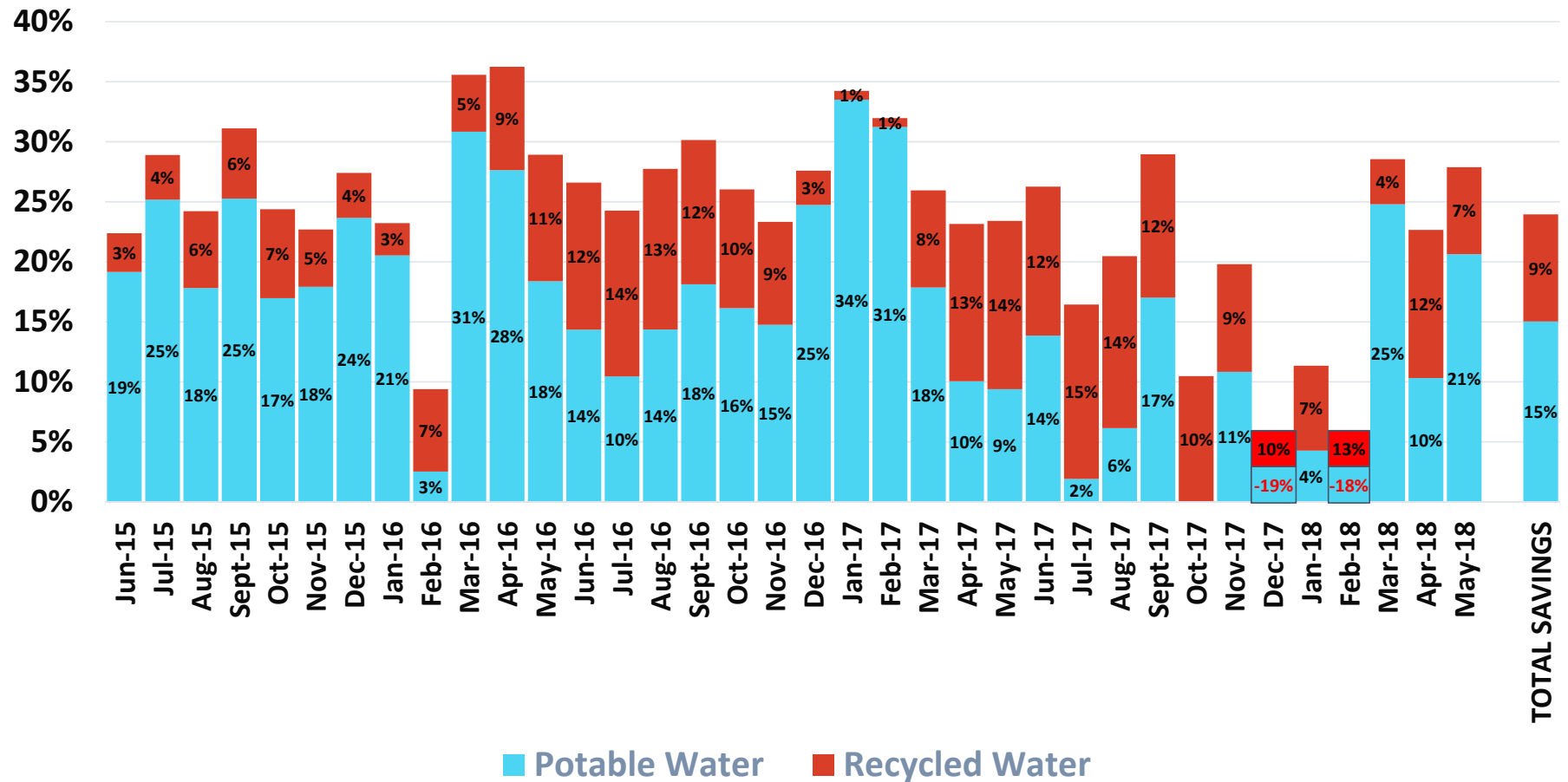
Total Recycled Water Production

Flow, Units	G.C. Irrigation	Main Distribution	WRP Irrigation/Utility	Total, Production
Avg. Daily Q MGD	0.338	0.960	0.060	1.358
Total Q MG	10.470	29.766	1.874	42.110
Total Acre Feet	32.131	91.348	5.751	129.230
9,132,960 Gallons of Potable Water Was Used to Supplement the Recycled Water Total Production				

ETWD WATER SAVINGS COMPARED TO 2013



ETWD WATER SAVINGS COMPARED TO 2013





Customer Service Drought Log

May 2018

Complaint Date	Source	City	Drought Response Level	General Comments	Location Details	Office Comments	Office Actions	Field Comments	Field Actions	Violation Types	DRIType
5/30/2018	Call	Mission Viejo			Front yard.	Received call from neighbor, Jose. He is stating that he has seen water running down from the front yard garden for the past two months.	Assigned W.O.	Customer has a leaking sprinkler. Customer turned off irrigation valve at house to stop leak. Cust said she will have gardener fix leak next week. Complete 5-30-18 AA.	Talked to Resident,Other (see OA comments)	Excessive irrigation time and excess runoff.	Water Waste Complaint
5/30/2018	Call	Lake Forest				Customer Maria stated that irrigation has been leaking for hours since yesterday.	Assigned W.O.	Turned off the #2 shut off valve to stop the leak. Notified property manager, Naomi, verbally and via email. Complete 5-30-18 RH	Talked to Resident,Other (see OA comments)	Excessive irrigation time and excess runoff.	Water Waste Complaint
5/24/2018	Call	Mission Viejo				Property manager Laura called. Thinks there is a main water line leak. Water is gushing.	Assigned W.O.	Replaced inlet meter gasket and restored service. Complete 5-24-18 RH.		Other(see office comments)	Water Waste Complaint
5/9/18	Call	Laguna Hills			Same as address	Water leaking from planter.	Assigned W.O.	Dispatched work order. Robert tighten the out let spin coupling to stop a small leak and tighten the packing on the gatevalve also to stop a small leak. Customer still has a small leak on his irrigation gate valve that he said he will fix. Complete 5-14-18 RH RM	Talked to Resident,Other (see OA comments)	Other(see office comments)	Water Waste Complaint
5/7/18	Call	Laguna Hills				Property manager Laura called and stated that there is an emergency and water is gushing.	Assigned W.O.	Installed new inlet gasket and turned water back on. Complete 5-7-18 RH.		Other(see office comments)	Water Waste Complaint
5/3/18	Email	Lake Forest				Per email, there is water run off to street daily yet it is only dirt. Very few plants tons of mud run off.	Assigned W.O.	Verbally notified Property Manager Andrea Cullinane. She will have her landscaper investigate. Complete 5-7-18 RH	Talked to Resident	Excessive irrigation time, Excess runoff	Water Waste Complaint

6 Water Waste Complaints
0 Educational Door Hangers

JAMES C. BARKER, PC
ATTORNEY AND COUNSELOR AT LAW
FIFTH FLOOR
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WASHINGTON, DC 20007
(202) 293-4064
jimbarker@jcbdc.com

Nicholas Crockett
Alia Cardwell

Municipal Water District of Orange County, California
Washington Update
June 12, 2018

The Appropriations Process:

The House and the Senate have been very active in the appropriations process this spring and in the House of Representatives, the House is on track to finish its spending bills by the August Recess period. This climate of fast moving spending bills was made possible due to the two year spending agreement reached earlier this spring.

The Energy and Water Bill:

In the House, the Energy and Water Bill has cleared the House Floor. The House passed a funding level of \$7.278 Billion for the Army Corps of Engineers, the highest level ever for that agency and roughly a 7% increase -- \$451 Million dollars over last year's spending level.

The House passed a \$1.56 Billion Dollar budget for the Bureau of Reclamation, an increase of \$75 Million over last year. The bill includes \$134 Million Dollars for water storage projects authorized through the WINN Act.

The Senate has not passed their bill through the Senate Floor at press time. That said, as a result of committee activity the Senate is planning to appropriate \$6.9 Billion for the Army Corps of Engineers, a \$100 Million increase over last year. For the Bureau of Reclamation, the Senate is planning on \$1.493 Million.

Both the House and the Senate Bills will need to be "conferenced" or negotiated between the two bodies. Significantly, it appears that both the Army Corps and the Bureau of Reclamation will receive increases over last year's spending levels.

The Interior Appropriations Bill:

The House Appropriations Committee approved the Interior Appropriations Bill—the bill that funds primarily the Department of the Interior and the EPA on June 6th. The final funding number was \$35.25 Billion, approximately the same amount that was funded in the FY18 Bill.

On note for the State of California and for the WaterFix Project, Congressman Calvert, the Chairman of the Interior Appropriations Subcommittee in the House of Representatives, included language during committee consideration which will prevent Federal and State Courts from reviewing agency decisions relating to the Waterfix project. Chairman Calvert is likely to be challenged on the House Floor regarding this provision, but he should prevail.

Meanwhile, the Senate will present different obstacles and while the Senate may oppose this provision, as both California Senators have indicated their opposition, in the end the Senate is not likely to prevail against the House Majority Leader, Kevin McCarthy, who is a big supporter of this provision.

In addition to this key language, there was \$3.9 Billion was appropriated for fighting wild fires. The Bill also provides \$2.6 Billion for Clean Water and Drinking Water State Revolving Loan Funds (SRF's) comparable to FY18 Funding.

The WIFIA Financing Program received an appropriation of \$75 Million, an increase of \$12 Million over current funding.

The Water Resources Development Act of 2018:

This legislation provides the legal authorities for the Army Corps of Engineers to operate. It provides funding for various kinds of water infrastructure from inland ports to locks, dams, flood protection and drinking water infrastructure.

The Senate Bill provides for an extension of the WIFIA Program for another two years, until FY2021. The House Bill is silent on the WIFIA Provision.

The bill de-authorizes certain sections of previously authorized projects because no work has been performed on those projects. The bill does not de-authorize the Section 5039 Account that provides \$40 Million for the State of California. We worked successfully with Congressman Rohrabacher's office to prevent the de-

authorization of this account and his office was instrumental in helping MWDOC preserve the Section 5039 Account with the Committee.

The House WRDA Bill passed by an overwhelming 408 -2 margin. The Senate is expected to take up the bill either before the August recess or in September. The legislation is also expected to pass the Senate. This legislation will be considered one of the few 'infrastructure related bills" that will pass this House and the Senate this year.

Updates on Federal Grants, The Desal Federal Grant:

The WaterSMART GRANT: *"Desalination Construction Projects Under the WIIN Act"* was posted on May 30th and will close on July 27th.

The WaterSMART Desalination Construction grant is available to sponsors of ocean and brackish water desalination projects to request funding for the planning, design, and/or construction of those Projects. It is expected that there will be two to six grants awarded nationally, depending upon the applicant pool. MWDOC staff worked extensively over the years to assist in the development of this national grant program.

Projects eligible for funding under this FOA include planning, design, and construction of facilities to desalinate ocean or brackish water, including groundwater. In order to be eligible for funding under this FOA, the Project must:

1. Have a completed feasibility study that has been reviewed by Reclamation and found to meet all of the requirements of Reclamation's Directives and Standards WTR 11-01, Title XVI Water Reclamation and Reuse Program Feasibility Study Review Process, at www.usbr.gov/recman/wtr/wtr11-01.pdf. If the Project is not part of a feasibility study previously determined by Reclamation to meet the requirements of WTR 11-01, then a feasibility study must be submitted for Reclamation review by July 27, 2018 (the application deadline for this FOA). In addition, it must be possible for Reclamation to make a determination that the feasibility study meets the WTR 11-01 requirements by August 31, 2018. The findings of a project's feasibility study review must be transmitted by Reclamation to Congress before or concurrently with a project's selection for funding.
2. Be located in the Western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended.

3. Be included in a state-approved plan, and the plan must be submitted with the proposal prior to the application deadline for this FOA. In the alternative, if the Project is not included in a state-approved plan, Federal participation in the Project must have been requested by the Governor of the State in which the eligible desalination project is located. The applicant must submit documentation sufficient for Reclamation to make this determination along with their proposal, prior to the application deadline.
4. Cost Share: 75% Local/25% Federal. Projects sponsors can receive up to 25 percent of the total cost of planning, design, and/or construction that has either already been completed or will be conducted before September 30, 2021.
5. Amount Appropriated for FY2019 for the entire country: \$18,000,000.
6. MWDOC Staff is in the process of determining if some to the previous activities on the Dana Point Project constitute an approved "feasibility study".

JCB 6/12/2018



Memorandum

To: Municipal Water District of Orange County
From: Syrus Devers, Best Best & Krieger
Date: June 18, 2018
Re: Monthly State Political Report

Administrative Report

Although the Budget Bill had not passed at the time this report was prepared, the Budget Conference Committee wrapped up its work after a late night session on the 8th which should allow for an on-time budget. There was serious negotiation with the Legislature but it's fair to say that Governor Brown got a budget to his liking. The Legislature did increase some of the items the Governor proposed in the May Revise despite his resistance to increasing long-term funding obligations, but both sides also lost a few pet projects. The big winner was education. Governor Brown tried to hold the U.C. system to a 3% increase, or \$92 million, but that got bumped to \$120 million along with significant one-funding to address enrollment pressure. The Legislature also added \$140 million to the Governor's proposal to address homelessness which brought the total to \$500 million. The big loser was healthcare. Universal healthcare proposals got nixed as did demands to increase MediCal funding.

Legislative Report

The next major deadline is June 29th. A bill must make it to a fiscal committee by then to stay alive, and if it does it has until July 6th to make it to the floor. After that the Legislature takes a break for a month.

You may have noticed that the Bill Matrix is beginning to shrink as dead bills are removed. As this is the 2nd year of the biennial session, bills that failed to clear the policy committees by May 25th are now dead and cannot be revived.

Tax on Water: Ignore the headlines—it's not dead. Newspapers reported on the Budget Conference Committee closing without passing the Governor's language. In fact, the water tax language had been removed from the committee two weeks ago. This only means that the administration saw it didn't have the votes and smartly chose to avoid getting a bad vote on record. To be sure, this is a very good outcome for the opposition. It was debated in the Conference Committee and ran into opposition from both sides. This is the second pathway to a new tax that opponents have blocked, the first being SB 623—which is still technically alive. The Governor,



however, has more than two options. Since it can be done without a budget appropriation, it could still appear in a trailer bill in August. But at least opponents can enjoy the summer.

SB 606 (Hertzberg, previously Skinner)/AB 1668 (Friedman) Water efficiency bill package:

The long march is over. The Governor signed both bills on May 31st to surprisingly little fanfare. To BB&K staff it feels like a child has left for college.

SB 2050 (Caballero-Small district consolidation): The water industry's answer to the water tax and the problems of disadvantaged water districts. The good news is that amendments taken in May were relatively minor and the bill passed the Assembly with 56 votes. The less good news is that it's passing on an almost entirely party line vote. It looked like a few Republicans considered going up on the floor vote but in the end only Assemblyman Frank Bigelow (Placerville) stayed on.

SB 998 (Dodd-Water shut off prohibitions): Opponents were disappointed with the floor vote in the Senate. All but one Democrat voted in support, and the one that stayed off is no longer in office. There was no question that the bill would be sent to the Assembly, but it was hoped that the long list of problems with the bill highlighted by the committees would have caused some of the Democrats to layoff. The bill had yet to be assigned to committee in the Assembly at the time this report was prepared, which gives opponents a good opportunity to lobby it. With the tax on water being pushed to the backburner for a few weeks this will now become the top priority.

The County of Orange Report

June 12, 2018
by Lewis Consulting Group

#electionpalooza

Competitive or Close Elections

In Orange County Congressional races, national democrats got what they wanted - competitive races in November with none of the key races shut out by republicans capturing the top two spots (more on that later).

Looking forward to November, these four races are listed in order by the cumulative vote Republicans received in the primary. The higher the number, the more likely the seat will be retained by the Republican nominee.

39 th C.D.	56.8%	Young Kim (R) vs Gil Cisneros (D)
48 th C.D.	53.3%	Dana Rohrabacher (inc R) vs Hans Keinstead (D) *
		* has 300 vote lead over Harley Rouda (D)
45 th C.D.	52.5%	Mimi Walters (inc R) vs Katie Porter (D)
49 th C.D.	47.6%	Diane Harkey (R) vs Mike Levin (D)

After the bruising primary battle, it might make sense to reverse the Rohrabacher and Walters rankings.

State Assembly Races

74 th A.D.	52.9%	Matt Harper (inc R) vs Cottie Petrie-Norris (D)
65 th A.D.	48.6%	Sharon Quirk-Silva (inc D) vs Alexandria Coronado (R)

A big surprise was Assemblywoman Quirk-Silva's poor performance against her largely unknown Republican challenger.

County of Orange

Board of Supervisors

2 nd district	Michelle Steel re-elected with 64%
5 th district	Lisa Bartlett ran unopposed and gets another term
4 th district	Tim Shaw 21.2% vs Doug Chaffee 20.9%
	Neither Lucille Kring or Joe Kerr received a "golden ticket", setting up a barnburner race in November.

District Attorney Todd Spitzer 35.4% vs Tony Rackauckas (inc) 39.2%
This will be one VERY competitive, expensive and mean campaign leading up to November.

O.C. Sheriff Don Barnes 50.4% Duke Nguyen 30.3%
If Barnes can maintain a + 50% as the remaining votes are tallied, he WINS and there will be no November run-off.

Tabulate Votes as of 6/11/2018 5:00PM Registrar Update



What Color is Orange County?



For decades Orange County had a deserved national reputation for being solidly red-Republican. However, due largely to changing demographics Orange County has been changing quickly. So what is the new appropriate color for Orange County? **PINK?** **LIGHT BLUE?** **PURPLE?** Decipher the following and decide for yourself.

Republican % share of vote by countywide contest as of June 11, 2018. These should trend slightly more democrat as there are still 45,000 provisional ballots left to be counted.

	<u>% Republican</u>
Board of Equalization	57.8
State Treasurer	54
Attorney General	52.4
Lt. Governor	51
Governor	50
Secretary of State	49.6
Controller	47.5
U.S. Senate	46.1

California Top 2 System a Real Traveshamockery!

Californians have never witnessed before so many confusing T.V. commercials praising and attacking candidates. California's top two system which replaced the traditional primary system has incentivized both political parties and special interests to engage in the worst kind of political chicanery. When you have Democrats attacking certain republicans and funding others to manipulate the "outcome ordering" of Republicans and Republicans to a lesser extent doing the same, something is WRONG!

TOP DEFINITION

traveshamockery

Used to explain something that is a *travesty*, a *sham* and a *mockery*.

Found on the Miller Brewing Company "President of beers" commercial.

This whole thing is a travesty, a sham and a mockery...it's a traveshamockery!

Here are three examples of the Top Two Manipulation this past primary:

48th C.D. - Washington, D.C. business PACs poured in money in behalf of Scott Baugh trying to elevate him to a second place finish and shutting out a Democrat on the ballot in November.

Governor's race - a small but wealthy group of tycoons committed to expanding charter schools in California, spent \$23 million attacking Republican John Cox and promoting Antonio Villarigosa with the hope of having the "top two" be democrats in the Governor's race come November. They believe this was the most pragmatic way to defeat anti-charter school candidate, Gavin Newsome. Their plan failed miserably as they flushed \$23 million down a large political toilet.

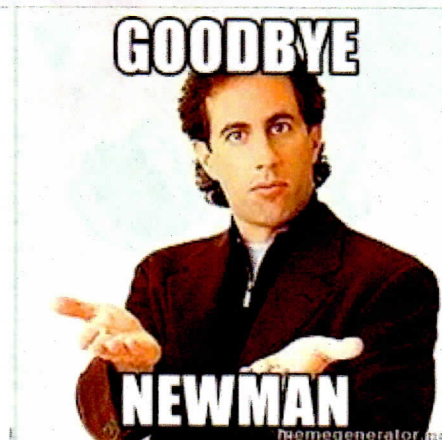
Key Congressional races - the Democratic Congressional Campaign Committee aggressively played in three Orange County swing Congressional Districts. In the 39th C.D. they conceded one of the top two slots to Young Kim, but then to ensure a democrat finished in second place, they savaged Republican candidates Shawn Nelson and Bob Huff. As a result, little known Republican Phil Liberatore, who received more votes than Shawn Nelson and Bob Huff combined. In the 48th C.D., the DCCC brutally attacked Republican Scott Baugh and promoted obscure republican John Gabband. If most of Gabband's votes had gone to Scott Baugh, Baugh would have made the top two November ballot. For the 49th C.D., the Democrats wanted to face Diane Harkey in the general election, so they pummeled her republican challenger Rocky Chavez.

It wasn't pretty and the system needs to be reformed but the Democrat Congressional Campaign Committee played by the rules, effectively manipulating the voters and achieved their desired effect. They deserved a "hat tip" for political execution.

State Senate District 29

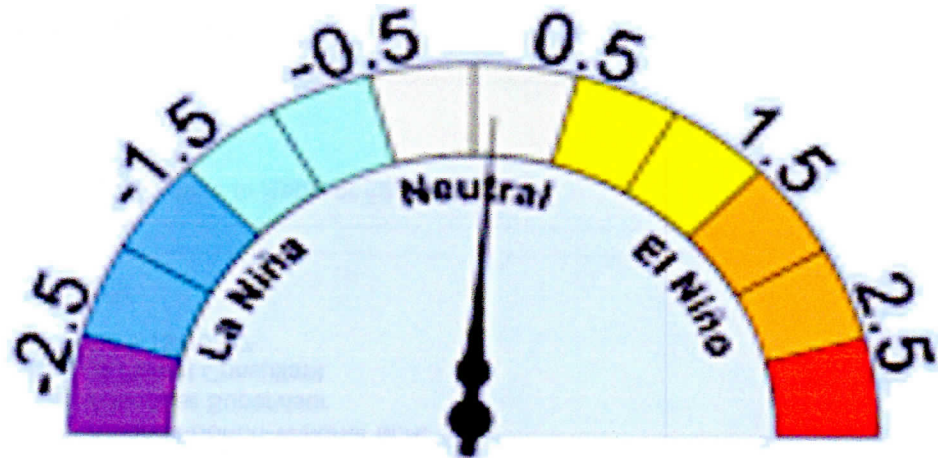
100.0% (484 of 484) precincts partially
reporting as of June 8, 2018, 5:06 p.m. ?

	Question	Yes Votes	%	No Votes	%
Yes	Shall JOSH NEWMAN be recalled (removed) from the Office of State Senate District 29?	61,794	59.6%	41,957	40.4%



Hello La Niña

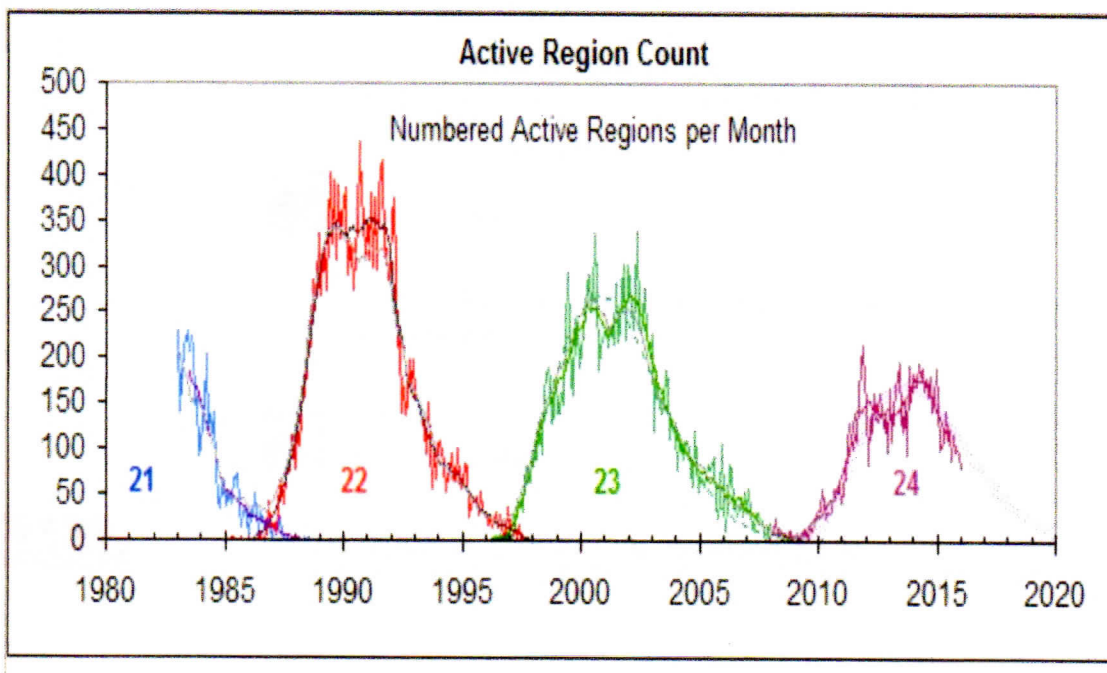
ENSO METER



WUWT Tag Cloud

Ever so slowly, La Niña conditions are starting to appear.

Sunspots & Solar Flares



Solar Cycle 24 shows a dramatic weakening of solar activity. Solar Cycle 25 might be even weaker. Why should we care? Weak solar activity by itself seems to create between 1-3 tenths of a degree of global cooling. This might help counter part of the overall warming trend. However, there might be a greater danger lurking. Several studies have shown strong correlation between long periods of solar quietude and an increasing number of major earthquakes and volcanos.

Earthquakes & Volcanos OH MY!

Table 3. Top seven largest continental USA earthquakes. Source: USGS*

Location Date Magnitude Associated Solar Minimum

1. Cascadia subduction zone 01-26-1700 ~9 Centennial: Maunder
2. New Madrid, Missouri 12-16-1811 8.1 Bi-Centennial: Dalton
3. New Madrid, Missouri 02-7-1812 ~8 * Bi-Centennial: Dalton
4. Fort Tejon, California 01-09-1857 7.9 Intermediate Minimum***
5. San Francisco, California 04-18-1906 7.8 Centennial Minimum
6. Imperial Valley, California 02-24-1892 7.8 Centennial Minimum
7. New Madrid, Missouri 01-23-1812 7.8 Bi-Centennial: Dalton

Table 2. Volcanic eruptions that took place during major solar minimums and solar hibernations. This table establishes the strong relationship between the largest volcanic eruptions and solar activity lows on the order of the Centennial and Bi-Centennial Cycles defined by the RC Theory.

Volcano Location Year VEI Associated Solar Minimum

1. Long Island N .E. New Guinea 1660 6 Centennial: Maunder
2. Pago* New Britain 1800 P Bi-Centennial: Dalton
3. Tambora Lesser Sunda Islands 1815 7 Bi-Centennial: Dalton

Indonesia

4. Krakatau Indonesia 1883 6 Centennial: Year 1900
5. Santa Maria Guatemala 1902 6 Centennial: Year 1900
6. Lobobau New Britain 1905 P Centennial: Year 1900
7. Novarupta Alaska Peninsula 1907 6 Centennial: Year 1900
8. Pinatubo Philippines 1991 6 No Correlation

Large volcanos can trigger even greater global cooling. What if the recent Kilauea and Guatemala's Fuego volcanos are simply canaries in the coal mine? Is it time to renew earthquake insurance?



Partially due to the lack of a May LAFCO meeting, the June 13th meeting is crammed with consequential matters. Unfortunately the meeting is one day after our print deadline, so resulting actions will be reported at the PAL committee meeting.

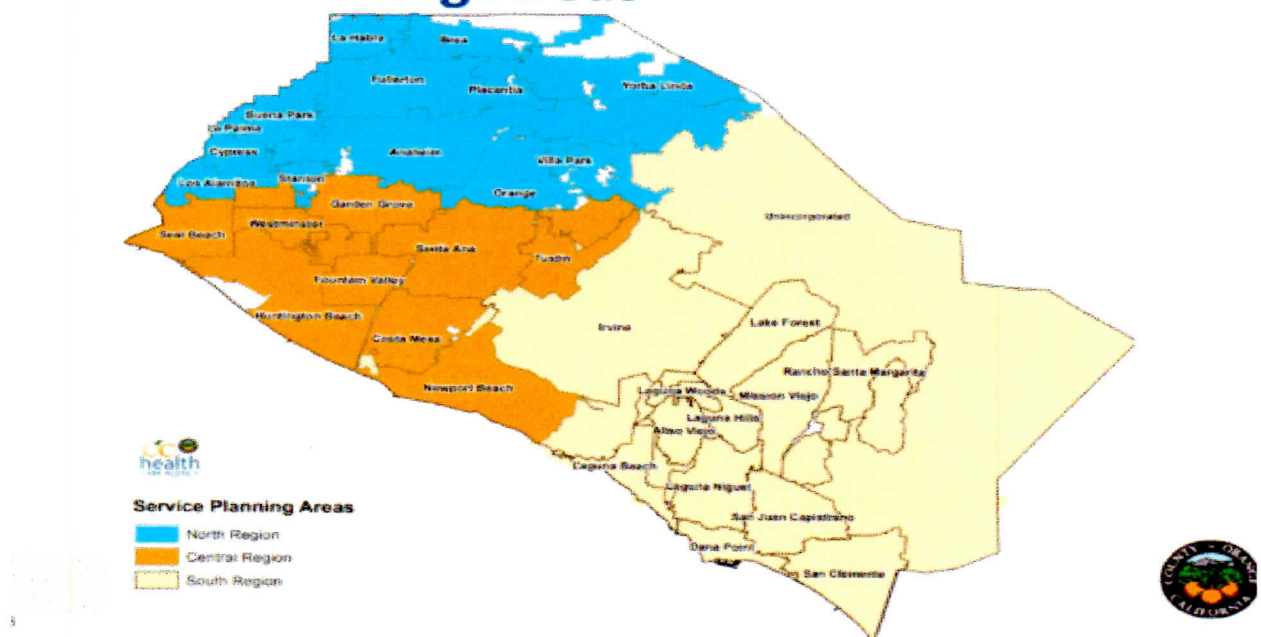
- 1). Results of Special District member's election showed landslide victories for newcomer Doug Davert (full member) and Jim Fisler re-elected (alternate member). Their terms will start in July.
- 2). Selection of new LAFCO Public Member. The Public interviews and selection of the Public Member will take place at this meeting. The four people who have applied for the position are current Public Member Derek McGregor, former Public Member alternate Kathryn Freshley, Brea business owner Scott Hupp and Natalie Rubalcava, C.O.O. of the Orange County Business Council.
- 3). The proposed 2018-2019 LAFCO Proposed Work Plan. This includes the fourth Cycle of Spheres of Influence and Municipal Service Reviews.
- 4). Proposed revisions to OC LAFCO Policies and Procedures. A number of special districts have raised concerns with many of the Consolidated Recommendations. So far special districts have been unsuccessful in arranging a meeting with LAFCO staff to discuss these matters prior to the scheduled vote.

Judge Carter's Homeless Meeting

June 13, 2018 is turning out to be an eventful day for the Lewis County of Orange Report. In addition to the LAFCO meeting, the 13th is the day that Judge David Carter has set for cities to report back with their plans for new homeless emergency shelters.

The Judge has been quite insistent that he expects specific locations recommended on the 13th of June, including one from each of the three geographic zones he has created.

Service Planning Areas



The three “service planning areas” for homeless services. (Image by County of Orange.)

The Grand Jury Weighs In on Homelessness

On May 31, 2018, the Orange County Grand Jury weighed in with its latest report. The Grand Jury's basic point of contention is that the biggest factor for not solving the homeless problem is "the finger-pointing and lack of trust that exists between the County and the cities, and even among the cities themselves on the homeless issue."

The Grand Jury's major findings include recognition that homelessness is a regional problem requiring regional solutions.

The County's over reliance on unpredictable federal and state funding risks funds being unavailable for future Permanent Supportive Housing development and supportive services.

NIMBY-ism has impeded the creation of housing for the homeless including Permanent Supportive housing in Orange County.

There is no established, independent leadership body in the County empowered to address regional homeless issues in an effective manner. The above are four of the ten findings of the Orange County Grand Jury.



<i>Measure</i>	<i>Author</i>	<i>Topic</i>	<i>Status</i>	<i>Brief Summary</i>	<i>Position</i>	<i>Priority</i>	<i>Notes 1</i>
<u>AB 1668</u>	<u>Friedman D</u>	Water management planning.	5/31/2018-Approved by the Governor. Chaptered by Secretary of State - Chapter 15, Statutes of 2018.	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, 2022. The bill would require the department, in coordination with the board, to conduct necessary studies and investigations and make recommendations, no later than October 1, 2021, for purposes of these standards and performance measures.	Support	A. Priority Support/Oppose	
<u>AB 1876</u>	<u>Frazier D</u>	Sacramento-San Joaquin Delta: Delta Plan: administration.	4/27/2018-Failed Deadline pursuant to Rule 61(b)(5). (Last location was W., P. & W. on 1/29/2018)	The Sacramento-San Joaquin Delta Reform Act of 2009 establishes the Delta Stewardship Council, which consists of 7 members, and requires the council to develop, adopt, and commence implementation of a comprehensive management plan for the Delta, known as the Delta Plan. This bill would make the provisions establishing the Delta Stewardship Council inoperative on July 1, 2020. The bill would provide for the Delta Protection Commission, on that date, to succeed to, and to be vested with, the duties, powers, purposes, responsibilities, and jurisdiction vested in the council as of June 30, 2020.	Opposition	A. Priority Support/Oppose	
<u>AB 2050</u>	<u>Caballero D</u>	Small System Water Authority Act of 2018.	6/7/2018-Referred to Coms. on EQ. and GOV. & F.	Would create the Small System Water Authority Act of 2018 and state legislative findings and declarations relating to authorizing the creation of small system water authorities that will have powers to absorb, improve, and competently operate noncompliant public water systems. The bill, no later than March 1, 2019, would require the state board to provide written notice to cure to all public agencies, private water companies, or mutual water companies that operate a public water system that has either less than 3,000 service connections or that serves less than 10,000 people, and are not in compliance with one or more state or federal primary drinking water standard maximum contaminant levels as of December 31, 2018, and for 4 consecutive quarters, as specified.	Support	A. Priority Support/Oppose	

<u>SB 606</u>	<u>Hertzberg D</u>	Water management planning.	5/31/2018-Approved by the Governor. Chaptered by Secretary of State. Chapter 14, Statutes of 2018.	Would require an urban retail water supplier to calculate an urban water use objective no later than November 1, 2023, and by November 1 every year thereafter, and its actual urban water use by those same dates. The bill would require an urban retail water supplier to submit a report to the department for these purposes by those dates. The bill would authorize the State Water Resources Control Board to issue information orders, written notices, and conservation orders to an urban retail water supplier that does not meet its urban water use objective, as specified. The bill would authorize the board to waive these requirements for a period of up to 5 years, as specified.	Support	A. Priority Support/Oppose	
<u>SB 623</u>	<u>Monning D</u>	Water quality: Safe and Affordable Drinking Water Fund.	9/1/2017-From committee: Without recommendation. (Ayes 11. Noes 0.) (September 1) Re-referred to Com. on RLS.	Would establish the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are continuously appropriated to the State Water Resources Control Board. The bill would require the board to administer the fund to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure. The bill would authorize the state board to provide for the deposit into the fund of federal contributions, voluntary contributions, gifts, grants, bequests, and settlements from parties responsible for contamination of drinking water supplies.	Opposition	A. Priority Support/Oppose	The public goods charge bill.
<u>SB 998</u>	<u>Dodd D</u>	Discontinuation of residential water service: urban and community water systems.	5/29/2018-Read third time. Passed. (Ayes 25. Noes 10.) Ordered to the Assembly. In Assembly. Read first time. Held at Desk.	Would require an urban and community water system, defined as a public water system that supplies water to more than 200 service connections, to have a written policy on discontinuation of water service to certain types of residences for nonpayment available in prescribed languages. The bill would require the policy to include certain components, be available on the system's Internet Web site, and be provided to customers in writing, upon request. The bill would provide for enforcement of these provisions, including making a violation of these provisions punishable by a civil penalty issued by the board in an amount not to exceed \$1,000 for each day in which the violation occurs.	Oppose unless amended	A. Priority Support/Oppose	

<i>Measure</i>	<i>Author</i>	<i>Topic</i>	<i>Status</i>	<i>Brief Summary</i>	<i>Position</i>	<i>Priority</i>	<i>Notes 1</i>
<u>AB 2060</u>	<u>Garcia, Eduardo</u> D	Water: grants: advanced payments.	6/4/2018-In Senate. Read first time. To Com. on RLS. for assignment.	Would require the State Water Resources Control Board, within 60 days of awarding a grant from the State Water Pollution Control Revolving Fund, to provide a project proponent that requests and demonstrates a need for advanced payment with advanced payment of \$500,000 or 50% of the grant award, whichever is less, for projects in which the project proponent is a nonprofit organization or a disadvantaged community, or the project benefits a disadvantaged community. The bill would require the advanced funds to be handled as prescribed.	Watch	B. Watch	
<u>AB 2064</u>	<u>Gloria</u> D	Integrated regional water management plans: grants: advanced payment.	6/7/2018-Referred to Coms. on N.R. & W. and EQ.	Current law, until January 1, 2025, requires a regional water management group, within 90 days of notice that a grant has been awarded, to provide the Department of Water Resources with a list of projects to be funded by the grant funds if the project proponent is a nonprofit organization or a disadvantaged community or the project benefits a disadvantaged community. Current law requires the department, within 60 days of receiving this project information, to provide advanced payment of 50% of the grant award for those projects that satisfy specified criteria. The bill, until January 1, 2025, would require the department to provide a project proponent that requests and demonstrates a need for advanced payment with advanced payment for those projects of \$500,000 or 50% of the grant award, whichever is less.	Watch	B. Watch	
<u>AB 2258</u>	<u>Caballero</u> D	Local agency formation commissions: grant program.	6/7/2018-Referred to Coms. on GOV. & F. and N.R. & W.	Current law establishes the Strategic Growth Council in state government and assigns to the council certain duties, including providing, funding, and distributing data and information to local governments and regional agencies that will assist in the development and planning of sustainable communities. This bill would require the Strategic Growth Council, until January 1, 2024, to establish and administer a local agency formation commissions grant program for the payment of costs associated with initiating and completing the dissolution of districts listed as inactive, the payment of costs associated with a study of the services provided within a county by a public agency, and for other specified purposes,	Watch	B. Watch	

				<i>including the initiation of an action, based on determinations found in the study, as approved by the commission.</i>			
<u>AB 2339</u>	<u>Gipson D</u>	<i>Water utility service: sale of water utility property by a city.</i>	<i>6/4/2018-In Senate. Read first time. To Com. on RLS. for assignment.</i>	<i>Would permit a city that owns and operates a public utility for furnishing water service to sell the public utility for the purpose of consolidating its public water system with another public water system pursuant to the specified procedures, only if the potentially subsumed water system is wholly within the boundaries of the city, if the city determines that it is uneconomical and not in the public interest to own and operate the public utility, and if certain requirements are met. The bill would prohibit the city from selling the public utility for one year if 50% of interested persons, as defined, protest the sale.</i>	<i>Watch</i>	<i>B. Watch</i>	
<u>AB 3206</u>	<u>Friedman D</u>	<i>Water conservation: water meters: accuracy and performance standards.</i>	<i>5/31/2018-In Senate. Read first time. To Com. on RLS. for assignment.</i>	<i>Would require the State Energy Resources Conservation and Development Commission, on or before January 1, 2020, to adopt regulations setting standards for the accuracy of water meters purchased on and after the effective date of those regulations, including water meters installed pursuant to the Water Measurement Law, as specified. The bill would allow a water purveyor to install a water meter possessed by that water purveyor before the effective date of the regulations for a time period deemed appropriate by the commission.</i>	<i>Watch</i>	<i>B. Watch</i>	
<u>SB 966</u>	<u>Wiener D</u>	<i>Onsite treated nonpotable water systems.</i>	<i>5/31/2018-Read third time. Passed. (Ayes 39. Noes 0.) Ordered to the Assembly. In Assembly. Read first time. Held at Desk.</i>	<i>Would, on or before December 1, 2022, require the State Water Resources Control Board, in consultation with the California Building Standards Commission, to adopt regulations for risk-based water quality standards for the onsite treatment and reuse of nonpotable water, as provided. The bill would authorize the state board to contract with public or private entities regarding the content of the standards and would exempt those contracts from, among other provisions, review and approval of the Department of General Services.</i>	<i>Watch</i>	<i>B. Watch</i>	

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

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 732 Frazier (D) Sponsor: Author	Amended 5/30/17 Senate Appropriations Committee	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 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 869 Rubio (D) Sponsor: Author	Amended 8/24/17 Senate Natural Resources and Water Committee	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 12/12/17	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.
AB 1270 Gallagher (R) Sponsor: Author	Amended 1/22/18 Signed by Governor on 2/26/18 Chapter 3, Statutes of 2018	Dams and Reservoirs – Inspections and Reporting: Requires DWR to inspect dams, reservoirs, and critical appurtenant structures within its jurisdiction once per fiscal year, with the exception of low hazard potential dams which shall receive inspections, at a minimum, every two fiscal years. Also requires owners to disclose information sufficient to enable DWR to determine conditions of dams, reservoirs, and critical appurtenant structures regarding their safety and to perform, at the owner's expense, other work necessary to secure maintenance and operation that will safeguard life and property.	WATCH (1/22/18)	Based upon Metropolitan's decades of experience in building, monitoring, maintaining and operating more than 20 dams within the district's regional water distribution system, the bill addresses security and inspection concerns previously identified.

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

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	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 12/12/17	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 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 12/12/17	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	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 12/12/17	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 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 1668 Friedman (D) Sponsor: Author	Amended 5/3/18 Signed by Governor on 5/31/18 Chapter 15, Statutes of 2018	Water Management Planning: Proposes targets for indoor residential water use and performance measures for CII water. References the Model Water Efficient Landscape Ordinance (MWLEO) 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 12/12/17	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. Recent amendments ensure CII performance measures are cost effective and technically feasible; clarify application of enforcement provisions and MWLEO requirements; and authorizes a 15% bonus incentive for existing potable reuse projects, as defined.
AB 1876 Frazier (D) Sponsor: Author	Amended 4/3/18 Assembly Water, Parks and Wildlife Committee; failed passage on 4/24/18	Delta Plan: Seeks to abolish the Delta Stewardship Council and proposes to transfer its duties on July 1, 2020, to the Delta Protection Commission, a body that is dominated by in-Delta interests.	OPPOSE based upon June 2007 Board-adopted Delta Action Plan	The Delta is the largest estuary in the western hemisphere and the location of the largest water delivery systems in the nation. Comprehensive and balanced Delta planning and oversight cannot be accomplished by one region seeking to eliminate the voices of all others. AB 1876 represents a giant step backwards in a statewide approach to resolving and balancing statewide interests.

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 2050 Caballero (D) Sponsors: Eastern MWD and CA Municipal Utilities Association	Amended 5/25/18 Senate Environmental Quality Committee; Date of hearing: 6/20/18	Small System Water Authority Act of 2018: Proposes to merge small non-compliant water systems, defined as a system with less than 3,000 service connections or serving less than 10,000 people, even when the systems are non-contiguous, into a larger, more robust public water system to take advantage of improved technical, managerial, and financial capacities associated with larger water systems.	SUPPORT as adopted by Board on 3/13/18	While laws have been enacted over the past several years to address access to safe drinking water, immediate and lasting changes to the governance structure of chronically noncompliant small systems are still necessary to protect public health and safety. AB 2050 provides another tool which could lead to more sustainable water systems that can effectively deliver safe and affordable drinking water to its residents.
AB 2283 Holden (D) Sponsor: Author	Introduced 2/13/18 Held on Assembly Appropriations Committee Suspense File	Income Tax Exclusions – Turf Removal Water Conservation Programs: Would extend, until December 1, 2024, the exclusion from gross income of any amount received as a rebate, voucher or other financial incentive issued by a local water agency or supplier for expenses incurred for participation in a turf removal water conservation program.	SUPPORT based upon past support of AB 2434 (Gomez), Chapter 738, Statutes of 2014	Extending the existing tax exclusion by five years will provide relief to state taxpayers and could encourage participation in turf removal programs. In January 2014, Metropolitan added turf removal to the SoCal WaterSmart Regional Program, making it available to customers throughout the service area.

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 2543 Eggman (D) Sponsor: Author	Amended 3/13/18 Senate Governmental Organization Committee Date of Hearing: 6/12/18	State Agencies - Infrastructure Project Budget and Schedule: Would require state agencies to publicly report significant changes in the cost or schedule of large and complex infrastructure projects. The bill seeks to incorporate a recommendation from the October 2017 report on CA WaterFix by the State Auditor General.	OPPOSE based upon June 2007 Board-adopted Delta Action Plan	While an open and transparent project delivery process is important to public agencies and their customers, the bill is vague in its terminology and application to state infrastructure projects. Project opponents could use an alleged violation of the reporting requirement to bring any action to halt, delay or modify a project.
AB 2545 Gallagher (R) Sponsor: California Farm Bureau Federation	Amended 5/25/18 Senate	Lake or Streambed Alteration Agreements (LSAA): Complete rewrite. Now Directs CA Department of Fish and Wildlife (CDFW) to develop a general agreement alternative to a project-specific LSAA.	SUPPORT based upon Board-adopted legislative policy priorities dated 12/12/17	The process to obtain a LSAA, under the existing regulatory framework, can take upwards of nine months, and CDFW has often required a number of seasonal constraints, conditions and mitigation requirements for perceived impacts to fish and wildlife resources. LSAAs typically do not allow for flexibility in project scheduling without going through another regulatory process to amend the LSAA which can interfere with Metropolitan's ability to safely and efficiently maintain its facilities. AB 2545 provides an alternative to a project-specific LSAA by directing CDFW to develop a general agreement.

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 2649 Arambula (D) Sponsor: Author	Amended 5/25/18 Senate	Water Rights – Water Management: Would declare that the diversion of water to underground storage, including the diversion of water for groundwater recharge, constitutes a diversion of water for beneficial use for which an appropriation may be made if the diverted water is put to beneficial use. Recent amendment now includes important safeguards to ensure that permanent underground storage is implemented in a way that protects existing water users and the environment. Would also codify the provisions of Executive Order B-39-17 to authorize the State Water Resources Control Board to continue issuing temporary permits during high flow events, under prescribed conditions.	WATCH based upon prior opposition to AB 647 (Eggman) from 2015 and AB 1427 (Eggman) from 2017	Recent changes to AB 2649 include protections to guard against adverse impacts to other legal users of water if surface water is permanently stored and ensures appropriate review and approval by the State Water Resources Control Board.
AB 2697 Gallagher (R) Sponsor: California Waterfowl and Pheasants Forever	Amended 5/25/18 Senate	Water Transfers – Idled Agricultural Lands: Recent amendment now only requires the Wildlife Conservation Board to establish an incentive program to encourage landowners to voluntarily cultivate or retain cover crops or other upland vegetation on idled lands to provide wildlife habitat for waterfowl and other game birds. Amended bill deletes any changes to the existing water transfer program or guidelines.	WATCH based upon past opposition to AB 472 (Frazier) in 2017	Most recent amendment leaves intact the current water transfer program and guidelines. The existing program strikes a balance between encouraging cover crops and protecting water transfers.

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
AB 3045 Gallagher (R) Sponsor: Author	Amended 4/25/18 Held on Assembly Appropriations Committee Suspense File	Natural Resources Agency: State Water Project Commission: Proposes to transfer control of the SWP from the California Department of Resources to a newly formed State Water Project Commission, which would consist of Governor appointees.	OPPOSE based upon June 2007 Board-adopted Delta Action Plan	AB 3045 proposes sweeping changes in SWP governance, but without addressing the multitude of complex policy, legal and operational issues that the bill is intended to address. As the bill is currently written, it could result in delays or disruptions of needed improvements to ensure the sustainability of the SWP.
AB 3170 Friedman (D) Sponsor: Author	Amended 4/16/18 Held on Assembly Appropriations Committee Suspense File	Sales Tax Exemption: Authorizes, until January 1, 2024, an annual three-day exemption from state sales tax for the purchase of qualified water efficiency products, including: rain barrels with a capacity of 100 gallons or more; soaker or drip-irrigation hoses; weather-based irrigation controllers; soil moisture-based control technologies; mulch and compost; WaterSense products; low-water use plants; and a permeable ground cover surface, other than living turf grass, that allows water to reach underground basins, aquifers, or water collection points.	SUPPORT based upon Board-adopted legislative policy priorities dated 12/12/17	Metropolitan and its member agencies will continue to strengthen their conservation outreach and rebate programs, focusing on new ways to help homeowners, businesses and communities change outdoor landscapes and gardens, where most water typically is used. AB 3170 will provide further financial incentives to make this transformation a reality and will further facilitate an aggressive approach to lowering water use.

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 606 Skinner (D) and Hertzberg (D) Sponsor: Authors	Amended 5/7/18 Signed by Governor on 5/31/18 Chapter 14, Statutes of 2018	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 wholesaler 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 12/12/17	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.
SB 623 Monning (D) Sponsor: Community Water Center and Western Growers Association	Amended 8/21/17 Assembly Rules Committee	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.	OPPOSE UNLESS AMENDED based upon Board-adopted legislative policy priorities dated 12/12/17	Generally speaking, the water industry agrees with the intent of SB 623. The lack of access to safe drinking water in certain disadvantaged communities is a public health and social issue that the state must address. Potential revenue sources identified for the Fund should reflect the “beneficiary pays” principle, as opposed to a fee or assessment levied on water agencies for funding the broader public benefits.

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 919 Dodd (D) Sponsor: The Nature Conservancy	Amended 3/15/18 Assembly	Water Resources – Stream Gages: SB 919 would require the Department of Water Resources (DWR) to develop a plan to deploy a network of stream gages that includes a determination of funding needs and opportunities for reactivating existing gages. In consultation with its sister agencies and other interested parties, DWR is required to prioritize the deployment of stream gages based upon gaps in the existing system.	SUPPORT based upon Board-adopted legislative policy priorities dated 12/12/17 and June 2007 Board-adopted Delta Action Plan	A robust and accurate data collection system will support informed decision-making regarding water management. Having a more reliable and accurate system of stream gages can also help integrate groundwater recharge during high-flow events. Good information and science leads to sound public policy on water management.
SB 1301 Beall (D) Sponsor: Santa Clara Valley Water District	Amended 5/25/18 Assembly	State Permitting – Processing Procedures: Defines dam safety and flood risk reduction projects and makes these projects eligible for interagency collaboration for the purpose of expediting project permitting.	SUPPORT based upon Board-adopted legislative policy priorities dated 12/12/17	SB 1301 will establish a more efficient permitting process for dam safety and flood protection projects by facilitating a multi-agency pre-application and model fee-for-service agreement. This could be a helpful for enhanced early engagement to better inform project design and the environmental review process. Due to understaffing at state permitting agencies, deadlines for permitting are often missed, particularly for large projects that yield the most public safety benefit.

**Metropolitan Water District of Southern California
State Legislation Matrix 6/11/2018**

Bill Number Author	Amended Date; Location	Title-Summary	MWD Position	Effects on Metropolitan
SB 1493 Senate Committee on Natural Resources and Water Sponsors: Multiple	Amended 5/30/18 Assembly Natural Resources Committee Date of Hearing: 6/11/18	State Lands: Represents the Senate Natural Resources and Water Committee omnibus “code clean-up” bill. Sections 27 and 28 would repeal the State Lands Commission’s (SLC) Statutory Trust Grant issued to Metropolitan and returns the tide and submerged lands at Bolsa Chica to the State of California. Metropolitan has not, and does not intend to, move forward with projects as defined in the grant.	WATCH based on MWD Real Property and Asset Management Committee discussion on 12/12/17	The tide and submerged lands granted to Metropolitan in 1967 by the State Lands Commission are subject to a reversionary interest. The state is choosing to exercise that interest to focus its resources on other matters rather than annually monitoring and reviewing the inactive status of the grant.

ETWD Public Education and Outreach Report

June 28, 2018

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

Drought Log

Customer Service continues to update the drought response log. This includes phone calls, walk-ins and emails regarding water waste complaints and ETWD's permanent mandatory conservation measure inquiries. There were six water waste complaints for the month of May for excessive water use. A copy of the log follows this report.

Messaging/Materials

The July bill message: Thank you for using water efficiently and helping "Make Water Conservation a California Way of Life". Visit www.etwd.com, www.ocwatersmart.com and www.saveourwater.com for additional water conservation information.

Staff asked MWDOC to assist in developing regional messaging regarding the recent CA water regulations that the water agencies could use to adapt to their individual agencies.

Community Advisory Group

The next Community Advisory Group meeting is August 9, 2018. Topics to be determined.

ETWD News

Staff distributed press releases on ETWD Recognized as a District of Distinction and the ETWD Water Wise Demonstration Garden.

The Board of Director vacancy notice will be advertised in the Saddleback Valley News and the Laguna Woods Globe, published on June 28, 2018. Staff posted and/or distributed Board of Directors vacancy notices to the District website, District social media sites, City of Aliso Viejo, City of Laguna Hills, City of Laguna Woods, City of Lake Forest, City of Mission Viejo, El Toro Library, Laguna Woods Library and Mission Viejo Library. The vacancy notice, application and district boundary map are available on the District website under Governance and Board of Directors.

Laguna Woods Village Television Channel 6

Staff has extended the RWEPP project commercial through July 2018.

Director Mark Monin will discuss the recent California state water regulations, debunk false information and how these regulations affect ETWD and its customers.

ETWD Community Outreach Schedule

September 29, 2018

UC ANR Urban Landscape and Garden Expo – 7601 Irvine Blvd., Irvine, CA

MWDOC Public Affairs

MWDOC shared the MWD's latest outreach campaign, 365, to increase water awareness and promote water conservation. The messaging was created around water conservation needs to happen 365 days a year:

- "We all need to save water 365 days a year. And now with Met's available rebates, you can get something in return."
- "365 – Everyday is a chance to save water. And Money." "It pays to save water every day. 365. Transform your landscape. Get a rebate at bewaterwise.com".
- "Conserve water. Save Money. Repeat. It's a great cycle. Rebates to help you save money every day at bewaterwise.com".



Customer Service Drought Log

May 2018

Complaint Date	Source	City	Drought Response Level	General Comments	Location Details	Office Comments	Office Actions	Field Comments	Field Actions	Violation Types	DRIType
5/30/2018	Call	Mission Viejo			Front yard.	Received call from neighbor, Jose. He is stating that he has seen water running down from the front yard garden for the past two months.	Assigned W.O.	Customer has a leaking sprinkler. Customer turned off irrigation valve at house to stop leak. Cust said she will have gardener fix leak next week. Complete 5-30-18 AA.	Talked to Resident,Other (see OA comments)	Excessive irrigation time and excess runoff.	Water Waste Complaint
5/30/2018	Call	Lake Forest				Customer Maria stated that irrigation has been leaking for hours since yesterday.	Assigned W.O.	Turned off the #2 shut off valve to stop the leak. Notified property manager, Naomi, verbally and via email. Complete 5-30-18 RH	Talked to Resident,Other (see OA comments)	Excessive irrigation time and excess runoff.	Water Waste Complaint
5/24/2018	Call	Mission Viejo				Property manager Laura called. Thinks there is a main water line leak. Water is gushing.	Assigned W.O.	Replaced inlet meter gasket and restored service. Complete 5-24-18 RH.		Other(see office comments)	Water Waste Complaint
5/9/18	Call	Laguna Hills			Same as address	Water leaking from planter.	Assigned W.O.	Dispatched work order. Robert tighten the out let spin coupling to stop a small leak and tighten the packing on the gatevalve also to stop a small leak. Customer still has a small leak on his irrigation gate valve that he said he will fix. Complete 5-14-18 RH RM	Talked to Resident,Other (see OA comments)	Other(see office comments)	Water Waste Complaint
5/7/18	Call	Laguna Hills				Property manager Laura called and stated that there is an emergency and water is gushing.	Assigned W.O.	Installed new inlet gasket and turned water back on. Complete 5-7-18 RH.		Other(see office comments)	Water Waste Complaint
5/3/18	Email	Lake Forest				Per email, there is water run off to street daily yet it is only dirt. Very few plants tons of mud run off.	Assigned W.O.	Verbally notified Property Manager Andrea Cullinane. She will have her landscaper investigate. Complete 5-7-18 RH	Talked to Resident	Excessive irrigation time, Excess runoff	Water Waste Complaint

6 Water Waste Complaints
0 Educational Door Hangers

**EL TORO WATER DISTRICT
CONSERVATION PROGRAM
Monthly
Status Report
June 28, 2018**

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 May 2018 year-to-date sales, residential accounted for 63% of the overall Tier 3 usage and dedicated irrigation accounted for 58% of Tier 4 usage.](#)

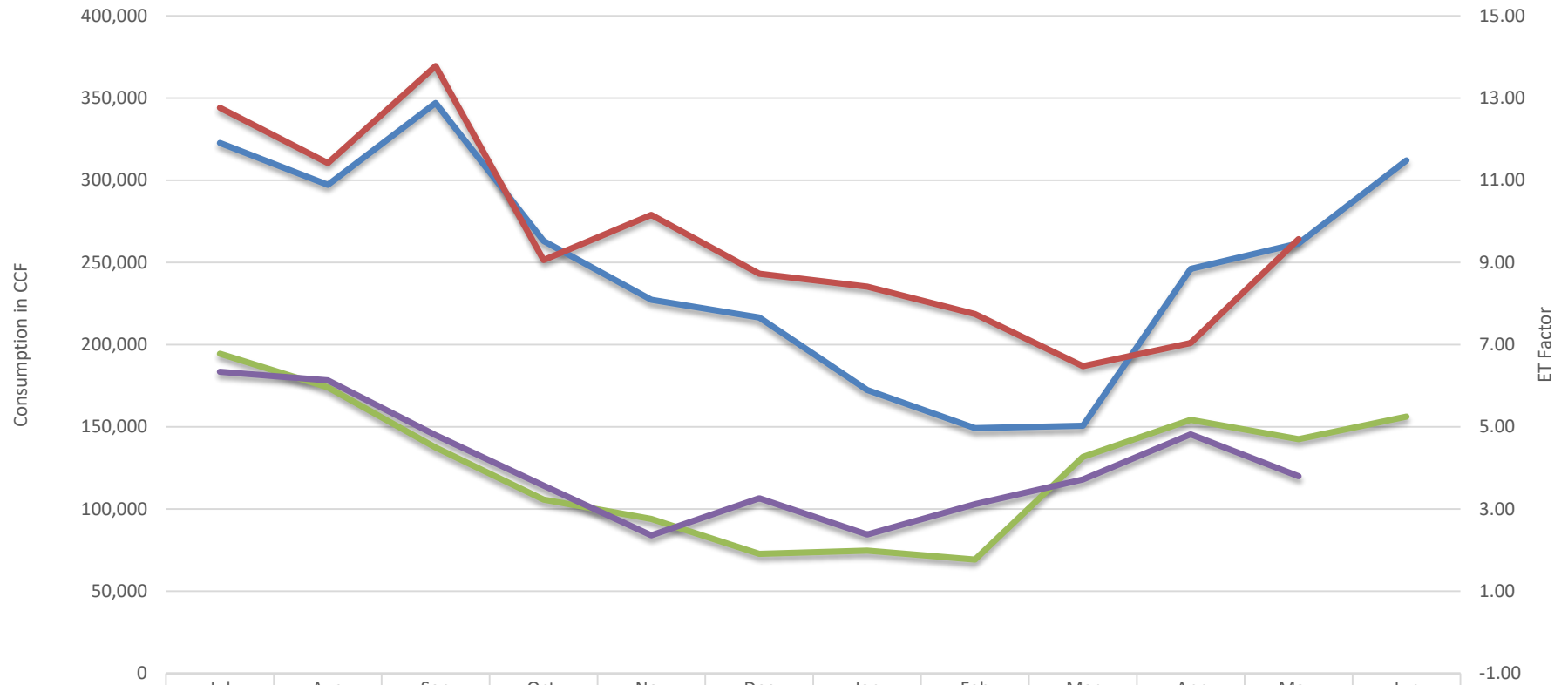
TOTAL CONSUMPTION COMPARISON TO EVAPOTRANSPIRATION (ET) FACTOR

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 decreased 24% from May 2017 when compared to May 2018. There was a 1% increase in consumption reflected in May 2018.](#)

**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.

Total Consumption Comparison



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2016-2017	322,764	297,273	346,995	263,120	227,277	216,478	172,428	149,232	150,697	246,036	261,524	312,014
2017-2018	344,078	310,451	369,472	251,478	278,939	243,123	235,364	218,623	186,920	201,067	264,239	
16/17 ET	6.78	5.96	4.50	3.23	2.76	1.91	1.99	1.77	4.27	5.17	4.70	5.25
17/18 ET	6.34	6.13	4.80	3.57	2.36	3.26	2.38	3.12	3.72	4.82	3.80	
%	107%	104%	106%	96%	123%	112%	136%	146%	124%	82%	101%	0%

El Toro Water District Water Use Efficiency Program Savings

Program	Program Start Year	Program/Total Years	Avoided Water Use Acre Feet/Annual	Avoided Water Use Million Gallons/Annual	Avoided Water Costs Based on MWDOC Rate (\$2.16 CCF) Annual
High Efficiency Toilet (HET)	2005	13	40.4	13.2	\$38,021
High Efficiency Clothes Washers--Residential	2001	17	20.9	6.8	\$19,669
*SoCal Water Smart Commercial Plumbing Fixtures Rebate Program (ULFT's, HET's, Urinals, HECW, Cooling Tower Conductivity Controllers)	2002	16	40.9	13.3	\$38,491
SmarTimer Program--Irrigation Timers	2004	14	176.9	57.7	\$166,481
Rotating Nozzles Rebate Program	2007	11	108.3	35.3	\$101,921
Turf Removal Program	2010	8	42.2	13.8	\$39,714
**Water Smart Landscape Program - Ended 2016	1997	20	242.9	79.2	\$228,594
Synthetic Turf Rebate Program-Ended 2011	2007	8	0.9	0.3	\$847
***Ultra Low Flush Toilets (ULFT)--Ended 2009	1992	16	193.2	58.0	\$167,487
Computer Controlled Irrigation System--Gate 11--Ended 2006	2001	6	8.9	2.9	\$8,357
Totals			875.5	285.3	\$823,916

* 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 285.3 million gallons of water per year.

Orange County

Water Use Efficiency Programs Savings and Implementation Report

Retrofits and Acre-Feet Water Savings for Program Activity

Program	Program Start Date	Retrofits Installed in	Month Indicated		Current Fiscal Year		Overall Program		
			Interventions	Water Savings	Interventions	Water Savings	Interventions	Annual Water Savings[4]	Cumulative Water Savings[4]
High Efficiency Clothes Washer Program	2001	April-18	116	0.33	2,967	53.40	115,879	3,998	26,970
Smart Timer Program - Irrigation Timers	2004	April-18	81	2.53	1,977	188.17	22,462	8,032	46,482
Rotating Nozzles Rebate Program	2007	April-18	94	0.38	902	3.61	563,720	2,761	18,323
Commercial Plumbing Fixture Rebate Program	2002	May-18	272	0.84	4,454	100.70	89,733	4,843	44,277
Industrial Process/Water Savings Incentive Program (WSIP)	2006	April-18	0	4.80	2	4.80	30	640	2,892
Turf Removal Program ^[3]	2010	May-18	108,761	1.27	631,308	41.78	21,536,909	3,016	10,273
High Efficiency Toilet (HET) Program	2005	April-18	24	0.09	387	13.86	60,034	2,219	16,726
Water Smart Landscape Program [1]	1997						12,677	10,621	72,668
Home Water Certification Program	2013						312	7.339	15.266
Synthetic Turf Rebate Program	2007						685,438	96	469
Ultra-Low-Flush-Toilet Programs ^[2]	1992						363,926	13,452	162,561
Home Water Surveys ^[2]	1995						11,867	160	1,708
Showerhead Replacements ^[2]	1991						270,604	1,667	19,083
Total Water Savings All Programs				10	641,997	406	23,733,591	51,512	422,447

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

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

⁽³⁾ Turf Removal Interventions are listed as square feet.

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

HIGH EFFICIENCY CLOTHES WASHERS INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 11/12	FY 12/13	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18	Total	Current FY Water Savings Ac/Ft (Cumulative)	Cumulative Water Savings across all Fiscal Years	15 yr. Lifecycle Savings Ac/Ft
Brea	144	93	115	114	76	57	43	1,910	0.65	450.01	988
Buena Park	145	105	106	91	76	54	46	1,564	0.77	352.12	809
East Orange CWD RZ	10	10	8	8	8	3	1	193	0.01	48.58	100
El Toro WD	112	134	121	111	65	47	43	1,564	0.67	354.39	809
Fountain Valley	158	115	102	110	76	65	36	2,436	0.69	598.18	1,260
Garden Grove	236	190	162	165	251	127	67	3,630	1.18	846.12	1,878
Golden State WC	485	265	283	359	260	138	134	5,149	2.30	1,197.40	2,664
Huntington Beach	582	334	295	319	225	180	114	8,360	2.01	2,089.07	4,326
Irvine Ranch WD	2,170	1,763	1,664	1,882	1,521	1,373	981	25,647	18.37	5,644.19	13,270
La Habra	128	82	114	87	66	53	42	1,369	0.77	308.02	708
La Palma	46	34	25	34	29	10	11	469	0.22	106.45	243
Laguna Beach CWD	57	38	37	39	32	19	15	947	0.32	229.00	490
Mesa Water	176	114	86	89	113	80	40	2,558	0.74	637.86	1,324
Moulton Niguel WD	679	442	421	790	688	575	407	10,328	7.36	2,257.99	5,344
Newport Beach	142	116	92	95	66	61	44	2,668	0.77	679.46	1,380
Orange	262	218	163	160	124	80	63	3,961	1.07	993.92	2,050
Orange Park Acres	-	-	-	-	-	-	-	12	0.00	3.76	6
San Juan Capistrano	110	76	73	92	63	33	29	1,488	0.50	351.50	770
San Clemente	206	140	94	141	75	70	70	2,690	1.30	636.87	1,392
Santa Margarita WD	679	553	662	792	466	367	226	9,742	4.09	2,200.59	5,041
Seal Beach	51	31	29	38	23	9	14	616	0.29	146.16	319
Serrano WD	20	13	10	26	8	11	7	364	0.10	90.57	188
South Coast WD	112	89	79	68	43	44	32	1,616	0.61	381.09	836
Trabuco Canyon WD	62	30	45	47	34	28	17	815	0.32	189.86	422
Tustin	97	78	59	80	66	44	37	1,649	0.65	402.65	853
Westminster	208	121	82	109	149	84	50	2,636	0.91	624.20	1,364
Yorba Linda	273	181	167	156	123	56	48	3,800	0.80	952.98	1,966
MWDOC Totals	7,350	5,365	5,094	6,002	4,726	3,668	2,617	98,181	47.47	22,772.97	18,968

Anaheim	477	331	285	295	266	213	157	10,839	2.72	2,607.27	5,608
Fullerton	270	200	186	211	165	107	78	3,773	1.42	810.88	1,952
Santa Ana	190	163	131	132	259	141	115	3,086	1.80	778.70	1,597
Non-MWDOC Totals	937	694	602	638	690	461	350	17,698	5.93	4,196.86	3,419

Orange County Totals	8,287	6,059	5,696	6,640	5,416	4,129	2,967	115,879	53.40	26,969.83	22,387
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SMART TIMERS INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 11/12		FY 12/13		FY 13/14		FY 14/15		FY 15/16		FY16/17		FY17/18		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm.	
Brea	8	0	9	8	4	0	43	6	20	4	31	4	30	0	161	80	521.72
Buena Park	4	19	3	0	0	0	4	10	7	4	10	7	13	3	44	44	147.67
East Orange CWD RZ	5	0	2	0	0	0	2	0	1	0	11	1	6	0	31	1	18.80
El Toro WD	26	2	7	2	11	0	8	9	9	17	33	8	21	4	136	359	2,476.50
Fountain Valley	8	2	3	2	4	0	7	10	13	1	33	12	22	12	113	52	178.65
Garden Grove	7	0	5	2	9	0	10	14	13	11	28	0	22	0	123	38	173.20
Golden State WC	13	3	9	49	9	25	39	12	35	16	56	37	72	6	297	198	812.43
Huntington Beach	15	4	18	33	20	35	19	2	42	12	88	94	44	30	316	298	1,061.60
Irvine Ranch WD	267	71	414	135	71	59	67	310	239	207	344	420	371	76	2,140	2,362	11,330.93
La Habra	3	0	4	7	2	0	4	7	3	1	12	7	6	0	42	44	203.18
La Palma	1	0	1	0	2	0	2	0	3	2	1	0	4	0	14	2	5.98
Laguna Beach CWD	109	2	76	2	71	0	86	0	86	1	27	0	9	0	506	20	235.04
Mesa Water	21	0	10	2	15	2	17	28	36	12	149	41	41	0	359	154	733.07
Moulton Niguel WD	179	31	51	74	40	45	46	95	163	100	236	129	250	33	1,164	834	3,577.28
Newport Beach	275	12	242	26	168	75	11	9	28	43	30	12	22	0	1,060	409	2,615.40
Orange	25	0	20	24	13	9	18	31	51	13	69	10	50	13	335	178	936.09
San Juan Capistrano	103	2	14	18	6	11	6	19	20	8	22	8	22	5	244	130	642.45
San Clemente	212	17	26	7	28	2	28	24	26	3	37	13	30	41	1,081	415	2,655.49
Santa Margarita WD	262	7	53	171	64	93	53	321	189	136	326	221	249	218	1,403	1,590	5,671.10
Santiago CWD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Seal Beach	0	3	1	0	1	36	1	12	2	2,446	2	4	5	0	12	2,502	5,119.58
Serrano WD	3	0	1	0	0	0	4	0	11	2	4	0	6	0	44	2	13.96
South Coast WD	78	10	13	16	8	4	104	73	9	11	7	0	13	2	291	214	1,147.62
Trabuco Canyon WD	12	0	6	0	2	0	6	1	16	50	13	3	17	0	120	157	950.38
Tustin	11	0	8	4	9	1	18	14	33	8	33	23	23	1	166	81	339.47
Westminster	2	0	1	1	2	0	13	17	7	1	17	12	17	0	82	44	197.20
Yorba Linda	22	0	20	0	12	5	32	2	61	27	72	71	57	10	395	193	827.01
MWDOC Totals	1,671	185	1,017	583	571	402	648	1,026	1,123	3,136	1,691	1,137	1,422	454	10,679	10,401	42,591.78

Anaheim	23	60	19	10	9	26	7	52	30	34	87	10	47	0	291	457	2,606.44
Fullerton	22	51	9	29	8	0	40	26	32	12	53	7	43	0	242	199	933.90
Santa Ana	6	5	8	19	7	8	9	27	22	26	15	3	11	0	93	100	350.07
Non-MWDOC Totals	51	116	36	58	24	34	56	105	84	72	155	20	101	0	626	756	3,890.41

Orange County Totals	1,722	301	1,053	641	595	436	704	1,131	1,207	3,208	1,846	1,157	1,523	454	11,305	11,157	46,482
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ROTATING NOZZLES INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14			FY 14/15			FY 15/16			FY 16/17			FY 17/18			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	49.46
Buena Park	53	0	0	248	0	0	45	98	0	0	0	0	0	0	0	509	173	2,535	813.11
East Orange	30	0	0	221	0	0	0	0	0	0	0	0	30	0	0	781	0	0	19.29
El Toro	56	3,288	0	1,741	28,714	0	730	4,457	0	55	242	0	36	0	0	3,405	46,222	890	1,191.68
Fountain Valley	0	0	0	107	0	0	222	0	0	0	0	0	35	0	0	745	0	0	17.35
Garden Grove	80	0	0	88	50	0	110	0	0	55	98	0	0	0	0	933	299	0	32.52
Golden State	192	0	0	583	1,741	0	1,088	0	0	207	6,008	0	161	-495	0	3,609	10,821	0	240.44
Huntington Beach	120	0	0	798	1,419	0	1,345	2,836	0	149	3,362	0	-37	0	0	3,760	12,526	2,681	1,310.80
Irvine Ranch	11,010	4,257	0	1,421	632	0	1,989	5,047	0	335	9,511	0	286	-215	0	47,423	94,346	2,004	4,744.76
La Habra	15	0	0	109	338	0	300	0	0	0	0	0	0	0	0	481	1,236	900	365.97
La Palma	0	0	0	0	0	0	46	505	0	0	2,385	0	0	0	0	56	2,890	0	26.08
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	301.19
Mesa Water	361	0	0	229	0	0	166	0	0	113	0	0	36	0	0	2,066	385	343	195.29
Moulton Niguel	361	227	0	1,596	4,587	0	5,492	1,441	0	153	5,872	0	511	0	0	12,385	20,515	2,945	1,690.45
Newport Beach	19,349	6,835	0	460	3,857	0	348	670	0	0	0	0	45	0	0	46,723	21,413	0	1,584.28
Orange	245	120	0	304	668	0	631	91	0	0	0	0	0	0	0	3,170	1,072	0	109.25
San Juan Capistrano	370	0	0	495	737	0	310	593	0	75	123	0	59	0	0	5,554	8,852	0	445.73
San Clemente	415	5,074	0	326	0	0	426	0	0	0	0	0	146	0	0	10,135	7,538	1,343	800.17
Santa Margarita	389	0	0	1,207	1,513	0	1,820	837	0	15	0	0	224	0	0	16,389	6,921	611	824.85
Seal Beach	0	0	0	40	5,261	0	0	2,300	0	0	0	0	0	0	0	155	7,852	0	127.44
Serrano	105	0	0	377	0	0	695	0	0	0	0	0	0	0	0	3,405	0	0	93.29
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	472.75
Trabuco Canyon	0	0	0	56	0	0	130	0	0	0	4,339	0	0	0	0	2,086	5,130	0	131.59
Tustin	329	0	0	408	0	0	317	386	0	65	-341	0	30	0	0	3,401	1,058	0	120.83
Westminster	0	0	0	54	0	0	73	0	0	105	0	0	50	0	0	514	0	0	11.18
Yorba Linda	40	990	0	921	0	0	1,715	0	0	213	0	0	0	0	0	6,081	4,359	500	460.06
MWDOC Totals	36,622	21,669	0	19,818	65,250	0	20,883	24,634	0	1,556	31,599	0	1,612	-710	0	194,607	278,123	14,752	16,179.80

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

Orange County Totals	37,153	24,202	0	21,310	67,158	0	22,198	38,290	0	1,768	39,692	0	1,612	-710	0	202,396	344,983	16,341	18,323.45
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COMMERCIAL PLUMBING FIXTURES REBATE PROGRAM^[1]
INSTALLED BY AGENCY
through MWDOC and Local Agency Conservation Programs

Agency	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	Totals	Cumulative Water Savings across all Fiscal Years
Brea	1	234	0	10	91	734	123	1,488	499
Buena Park	290	5	23	56	591	133	49	2,538	1,219
East Orange CWD RZ	0	0	0	0	0	0	0	0	0
El Toro WD	137	0	212	6	268	35	0	1,062	655
Fountain Valley	314	0	0	1	249	0	621	1,493	667
Garden Grove	0	4	1	167	676	410	0	2,451	1,644
Golden State WC	135	0	1	0	1,008	53	93	2,958	2,087
Huntington Beach	156	104	144	7	783	641	10	2,964	1,753
Irvine Ranch WD	646	1,090	451	725	11,100	5,958	1,599	29,465	8,559
La Habra	0	0	0	0	340	42	0	925	605
La Palma	0	0	0	0	0	509	0	675	131
Laguna Beach CWD	0	0	27	0	0	0	0	446	342
Mesa Water	41	6	0	79	661	782	0	4,254	2,307
Moulton Niguel WD	0	0	0	3	413	281	0	1,277	908
Newport Beach	35	0	0	566	0	0	0	1,834	1,414
Orange	73	1	271	81	275	2,851	13	5,043	2,035
San Juan Capistrano	0	0	14	0	0	0	0	260	427
San Clemente	19	0	0	1	0	0	0	432	412
Santa Margarita WD	0	0	0	2	90	743	58	1,008	286
Santiago CWD	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	184	0	538	471
Serrano WD	0	0	0	0	0	0	0	0	0
South Coast WD	84	148	0	382	0	0	0	1,320	577
Trabuco Canyon WD	0	0	0	0	0	0	0	11	16
Tustin	0	0	0	75	358	212	2	1,404	913
Westminster	35	1	28	0	146	177	25	1,163	1,094
Yorba Linda	0	1	0	0	226	84	0	595	616
MWDOC Totals	1,966	1,594	1,172	2,161	17,275	13,829	2,593	65,604	29,639
Anaheim	48	165	342	463	3,072	309	1,005	14,758	7,665
Fullerton	0	94	0	178	476	621	274	3,052	1,821
Santa Ana	12	16	17	5	1,293	238	582	6,319	5,153
Non-MWDOC Totals	60	275	359	646	4,841	1,168	1,861	24,129	14,638
Orange County Totals	2,026	1,869	1,531	2,807	22,116	14,997	4,454	89,733	44,277

[1] Retrofit devices include ULF Toilets and Urinals, High Efficiency Toilets and Urinals, Multi-Family and Multi-Family 4-Liter HETs, Zero Water Urinals, High Efficiency Clothes Washers, Cooling Tower Conductivity Controllers, Ph Cooling Tower Conductivity Controllers, Flush Valve Retrofit Kits, Pre-rinse Spray heads, Hospital X-Ray Processor Recirculating Systems, Steam Sterilizers, Food Steamers, Water Pressurized Brooms, Laminar Flow Restrictors, and Ice Making Machines.

INDUSTRIAL PROCESS/WATER SAVINGS INCENTIVE PROGRAM

Number of Projects by Agency

Agency	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	Overall Program Interventions	Annual Water Savings[1]
Brea	0	0	0	0	0	0	0	0	0
Buena Park	0	0	0	0	1	0	0	2	54
East Orange	0	0	0	0	0	0	0	0	0
El Toro	0	0	0	0	0	0	0	0	0
Fountain Valley	0	0	0	0	0	1	0	1	23
Garden Grove	0	0	0	0	1	0	0	1	0
Golden State	0	0	0	0	0	0	0	1	3
Huntington Beach	0	2	0	1	2	0	1	6	180
Irvine Ranch	1	1	1	0	2	1	0	9	115
La Habra	0	0	0	0	1	0	0	1	0
La Palma	0	0	0	0	0	0	0	0	0
Laguna Beach	0	0	0	0	0	0	0	0	0
Mesa Water	0	0	0	0	0	0	0	0	0
Moulton Niguel	0	0	0	0	0	0	0	0	0
Newport Beach	0	0	0	1	0	0	0	1	21
Orange	0	0	0	0	1	2	1	5	97
San Juan Capistrano	0	0	0	0	0	0	0	0	0
San Clemente	0	0	0	0	0	0	0	0	0
Santa Margarita	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	0	0	0	0
Serrano	0	0	0	0	0	0	0	0	0
South Coast	0	0	0	0	1	1	0	2	134
Trabuco Canyon	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0
Westminster	0	0	0	0	0	0	0	0	0
Yorba Linda	0	0	0	0	0	0	0	0	0
MWDOC Totals	1	3	1	2	9	5	2	29	628
Anaheim	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	0	0	0	0	0
Santa Ana	0	0	0	0	1	0	0	1	11
OC Totals	1	3	1	2	10	5	2	30	640

[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	8,756	27,234	224,720	472,207	307.75
Buena Park	0	0	11,670	1,626	77,127	16,490	3,741	0	4,586	0	97,124	18,116	48.45
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	6,924	31,037	124,640	535,934	329.49
Fountain Valley	4,252	0	45,583	5,279	65,232	0	3,679	0	8,631	0	129,359	12,803	69.26
Garden Grove	8,274	0	67,701	22,000	177,408	49,226	11,504	0	4,487	0	287,921	117,403	224.31
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	13,317	6,032	552,189	421,737	491.52
Irvine Ranch	36,584	76,400	234,905	317,999	782,844	2,675,629	231,483	46,725	79,646	47,938	1,410,219	3,211,535	2,020.17
La Habra	0	0	14,014	1,818	49,691	72,164	0	0	1,944	0	65,649	90,019	77.12
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	589	0	75,670	48,788	65.44
Mesa Water	22,246	0	131,675	33,620	220,815	106,896	4,173	77,033	15,251	77,785	411,604	295,334	297.13
Moulton Niguel	14,739	40,741	314,250	1,612,845	889,748	1,059,279	220,749	0	92,484	0	1,548,947	2,840,054	2,141.59
Newport Beach	894	0	33,995	65,277	76,675	375,404	2,924	0	3,999	6,499	125,489	449,526	256.71
Orange	11,244	0	120,093	281,402	289,990	106,487	12,847	2,366	11,956	0	475,052	398,978	438.59
San Clemente	18,471	13,908	90,349	1,137	215,249	438,963	4,267	0	33,083	0	398,983	467,173	400.11
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	60,951	25,000	857,583	1,194,453	975.13
Santiago	0	0	0	0	0	0	0	0	0	0	0	0	-
Seal Beach	0	0	15,178	504	17,349	15,911	1,234	0	752	0	38,124	16,415	26.23
Serrano	2,971	0	41,247	0	127,877	4,403	5,450	0	555	0	178,100	4,403	82.34
South Coast	15,162	116,719	84,282	191,853	181,102	128,290	14,967	0	12,774	7,806	324,522	465,387	420.52
Trabuco Canyon	2,651	0	14,771	0	42,510	88,272	1,465	0	3,243	0	66,454	110,712	86.33
Tustin	1,410	0	71,285	14,137	232,697	33,362	11,173	0	16,926	0	343,471	47,499	174.45
Westminster	0	0	14,040	34,631	71,833	23,902	11,112	0	9,178	0	106,163	58,533	71.86
Yorba Linda	0	0	112,136	12,702	360,279	116,985	19,420	0	8,249	3,696	511,433	133,383	290.17
MWDOC Totals	238,978	304,598	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	398,281	233,027	9,363,994	12,163,701	10,267.03

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	6.45
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	6.45

Orange County Totals	238,978	313,812	2,195,544	3,692,153	5,493,639	7,015,357	613,934	264,998	398,281	233,027	9,363,994	12,172,915	10,273
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[1] Installed device numbers are listed as square feet

HIGH EFFICIENCY TOILETS (HETs) INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	Total	Cumulative Water Savings across all Fiscal Years
Brea	0	0	38	146	154	4	3	453	96.91
Buena Park	0	0	96	153	112	13	2	686	186.07
East Orange CWD RZ	0	0	13	26	24	0	0	86	20.43
El Toro WD	0	133	218	869	264	12	5	2,042	524.67
Fountain Valley	0	0	41	132	220	7	8	831	243.61
Garden Grove	0	0	63	350	363	7	4	1,488	411.72
Golden State WC	80	2	142	794	512	9	11	2,801	758.74
Huntington Beach	0	0	163	1,190	628	4	3	2,904	698.52
Irvine Ranch WD	0	1,449	810	1,777	2,798	638	207	17,116	5,301.37
Laguna Beach CWD	0	0	45	112	81	1	4	392	101.59
La Habra	0	0	37	94	83	5	1	591	190.75
La Palma	0	0	21	59	52	4	2	224	56.56
Mesa Water	0	0	147	162	162	7	3	1,621	581.23
Moulton Niguel WD	0	0	400	2,497	1,939	49	32	5,722	1,101.47
Newport Beach	0	0	49	168	243	11	5	730	177.34
Orange	0	1	142	978	416	17	3	2,182	515.48
San Juan Capistrano	0	0	35	140	202	3	2	525	116.91
San Clemente	0	0	72	225	246	11	6	878	218.75
Santa Margarita WD	0	0	528	997	1,152	114	29	3,338	652.64
Seal Beach	0	2	17	50	69	-1	0	857	385.24
Serrano WD	0	0	2	40	55	3	0	121	23.54
South Coast WD	23	64	102	398	235	11	7	1,028	223.09
Trabuco Canyon WD	0	0	10	108	169	2	3	342	62.99
Tustin	0	0	64	132	201	12	9	1,515	525.60
Westminster	0	0	35	161	359	3	4	1,335	403.72
Yorba Linda WD	0	0	40	280	379	12	6	1,257	335.28
MWDOC Totals	103	1,651	3,330	12,038	11,118	958	359	51,065	13,914.22

Anaheim	0	0	156	1,188	614	70	19	5,884	1,941.76
Fullerton	0	0	61	293	286	14	9	1,064	268.25
Santa Ana	0	0	33	602	293	20	0	2,021	601.53
Non-MWDOC Totals	0	0	250	2,083	1,193	104	28	8,969	2,811.54

Orange County Totals	103	1,651	3,580	14,121	12,311	1,062	387	60,034	16,725.76
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Rain Barrels by Agency

Agency	Jan-18		Feb-18		Mar-18		Apr-18		May-18		Total Program		FY 13/14		FY 14/15		FY 15/16		FY 16/17		FY 17/18	
	Res	CII	Res	CII	Res	CII	Res	CII	Res	CII	Res	CII	Res	CII	Res	CII	Res	CII	Res	CII	Res	CII
Brea	-	-	-	-	-	-	-	-	-	-	86	-	-	-	15	-	61	-	8	-	2	-
Buena Park	-	-	2	-	-	-	-	-	-	-	191	-	5	-	9	-	148	-	24	-	5	-
East Orange	-	-	-	-	-	-	-	-	-	-	39	-	8	-	8	-	23	-	-	-	-	-
El Toro	-	-	-	-	1	-	-	-	-	-	106	-	5	-	4	-	78	-	13	-	6	-
Fountain Valley	-	-	-	-	-	-	-	-	-	-	385	-	8	-	22	-	210	-	136	-	9	-
Garden Grove	4	-	-	-	-	-	-	-	-	-	339	-	16	-	34	-	237	-	38	-	14	-
Golden State WC	2	-	-	-	-	-	-	-	-	-	511	-	14	-	43	-	239	-	207	-	8	-
Huntington Beach	-	-	2	-	-	-	-	-	-	-	1,202	-	147	-	294	-	700	-	50	-	11	-
Irvine Ranch	1	-	2	-	1	-	-	-	-	-	999	-	21	-	101	-	778	-	82	-	17	-
La Habra	-	-	-	-	-	-	-	-	-	-	70	-	12	-	15	-	39	-	4	-	-	-
La Palma	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	4	-	4	-	-	-
Laguna Beach	-	-	-	-	-	-	-	-	-	-	439	-	67	-	279	-	85	-	7	-	1	-
Mesa Water	-	-	-	-	-	-	-	-	-	-	343	-	8	-	64	-	229	-	32	-	10	-
Moulton Niguel	-	-	-	-	2	-	-	-	-	-	405	-	2	-	74	-	259	-	63	-	7	-
Newport Beach	-	-	-	-	-	-	-	-	-	-	66	-	3	-	4	-	52	-	5	-	2	-
Orange	-	-	1	-	-	-	-	-	-	-	375	-	8	-	41	-	284	-	31	-	11	-
San Juan Cap	-	-	-	-	-	-	-	-	-	-	289	-	20	-	70	-	192	-	4	-	3	-
San Clemente	4	-	1	-	-	-	-	-	-	-	168	-	7	-	54	-	95	-	6	-	6	-
Santa Margarita	1	-	-	-	-	-	-	-	-	-	349	-	30	-	29	-	237	-	46	-	7	-
Santiago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Seal Beach	-	-	-	-	2	-	-	-	-	-	71	-	8	-	20	-	37	-	4	-	2	-
Serrano	-	-	-	-	-	-	-	-	-	-	40	-	-	-	11	-	21	-	8	-	-	-
South Coast	-	-	-	-	-	-	-	-	-	-	182	-	14	-	97	-	55	-	14	-	2	-
Trabuco Canyon	-	-	-	-	-	-	-	-	-	-	57	-	-	-	11	-	44	-	2	-	-	-
Tustin	2	-	-	-	-	-	-	-	-	-	237	-	9	-	23	-	175	-	27	-	3	-
Westminster	7	-	2	-	1	-	-	-	-	-	214	-	5	-	8	-	118	-	63	-	20	-
Yorba Linda	-	-	-	-	-	-	-	-	-	-	228	-	5	-	20	-	185	-	18	-	-	-
MWDOC Totals	21	-	10	-	7	-	-	-	-	-	7,399	-	422	-	1,350	-	4,585	-	896	-	146	-

Anaheim	-	-	-	-	-	-	-	-	-	-	292	-	12	-	27	-	235	-	18	-	-	-
Fullerton	-	-	-	-	-	-	-	-	-	-	219	-	16	-	13	-	171	-	19	-	-	-
Santa Ana	-	-	-	-	-	-	-	-	-	-	239	-	8	-	46	-	154	-	31	-	-	-
Non-MWDOC Totals	-	-	-	-	-	-	-	-	-	-	750	-	36	-	86	-	560	-	68	-	-	-

OC Totals	21	-	10	-	7	-	-	-	-	-	8,149	-	458	-	1,436	-	5,145	-	964	-	146	-
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**NOTICE OF REGULAR MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
ENGINEERING COMMITTEE**

June 14, 2018

8:30 a.m.

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee has been scheduled to be held on **Thursday, June 14, 2018 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

June 14, 2018

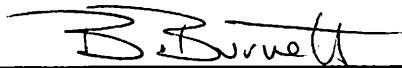
Page 2 of 2

3. **Review/Approval of Meeting Minutes (April '18 and May '18)**
4. **Operations Report**
5. **Review Draft Request for Proposals for Engineering Support for Innovative Biosolids Handling Technologies (Project Committees 2 and 17)**
6. **J. B. Latham Treatment Plant Package 'B' Project Status Update (Project Committee 2)**
7. **Regional Treatment Plant Co-Generation and Switchgear Project Construction Project Status Update (Project Committee 17)**
8. **Coastal Treatment Plant Facility Improvements Project Status Update (Project Committee 15)**
9. **Coastal Treatment Plant Export Sludge Project Status Update (Project Committee 15)**

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

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

Dated this 5th day of June 2018.



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

SPECIAL MEETING OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS

Friday, June 15, 2018
10:00 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 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 SECRETARY AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA 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. Minutes of Board of Directors Meeting(s)

ACTION The Board will be requested to approve subject minutes.

Board of Directors Meeting May 17, 2018.....1
Board of Directors Meeting May 3, 2018.....3

B. Minutes of Finance Committee Meetings(s)

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

Finance Committee March 21, 2018	20
Finance Committee Meeting March 7, 2018	23
Finance Committee Meeting February 26, 2018	25

C. Approval of Financial Matters28

ACTION The Finance Committee Recommends to the Board of Directors to ratify the disbursements and to receive and file the March 2018 Financial Reports as submitted.

Summary of Disbursements for March 2018 – Exhibit A	30
Schedule of Funds Available for Reinvestment – Exhibit B	31
Schedule of Cash and Investments – Exhibit C	32
Capital Projects Summaries – Exhibit D	33
Large Capital Projects Graph – Exhibit D-1	34
Operations/Maintenance & Environmental Safety Costs Summary – Exhibit E1	35
Budget vs. Actual Comparison – Engineering – Exhibit E-2	42
Budget vs. Actual Comparison – Administration – Exhibit E-3	43
Budget vs. Actual Comparison – IT – Exhibit E-4	44

D. Budget Adjustments to FY 2017-18 Administration Budget.....45

ACTION The Board will be requested to approve FY 2017-18 Budget Adjustment to the Administration Budget for Salaries, \$30,000 addition; and, Management Services, \$30, 000 addition.

E. Operations Reports.....46

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

Monthly Operational Report for April 2018	48
SOCWA Ocean Outfall Discharges by Agency	57
Beach Ocean Monitoring Report ACOO	59
Beach Ocean monitoring Report SJCOO	70
Recycled Water Report	81
Pretreatment Report	85

F. Capital Improvement Program88

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

G. Change Order to JBLTP Package 'B' Improvements Project [PC2]101

ACTION The Board will be requested to approve Change Orders 1, 2, 3, and 4 to the design services contract with Carollo Engineers for the J. B. Latham Treatment Plant Package 'B' Improvements Project.

H. Change Order to RTP Cogeneration & Switchgear Upgrade [PC17].....104

ACTION The Board will be requested to approve Change Orders 7, 8, 9, 10 and 11 to the construction services contract with Carollo Engineers for the Regional Treatment Plant Cogeneration and Switchgear Upgrade Project.

5. GENERAL MANAGER'S REPORT

A. Aliso Fire Update107

ACTION The Board will be requested to receive and file the Aliso Fire Update report.

B. Resolution No. 2018-04 Commendation for Lonnie Wentz.....109

ACTION The Board will be requested to approve Resolution No. 2018-04 and authorize Chairman Ferons to sign the Commendation of the behalf of the Board of Directors of the South Orange County Wastewater Authority.

C. Biosolids Update June 2018111

ACTION The Board will be requested to receive and file the Biosolids Update June 2018 report.

D. CUPA Inspection at J. B. Latham – March 27, 2018114

ACTION The Board will be requested to receive and file the CUPA Inspection at J.B. Latham – March 27, 2018 report.

E. Award of Contract – SCADA Backup & Offsite Storage Services [PC2, 15 & 17]116

ACTION Staff recommends that the Board authorize the General Manager to award a contract with Tesco, Inc. to purchase and install the Veeam Backup & Replication Enterprise for VMware software for automatic backup of SOCWA's Rockwell SCADA server, plus one (1) year of software support as follows:

- 1) The PC2 members authorize a cost not to exceed \$19,600.
- 2) The PC15 members authorize a cost not to exceed \$19,600.
- 3) The PC17 members authorize a cost not to exceed \$19,600.

F. Award of Contract - Ferric Chloride [PC 2, 15 & 17]118

ACTION The Board will be requested to authorize the General Manager to enter into a contract with Miles Chemical, Inc. for Ferric Chloride at a rate of \$493.68 per ton, for a 2-year term, plus applicable fees and taxes, with up to three (3) annual renewals. Cost to be distributed among PC members based on amount delivered to each facility.

G. Resolution No. 2018-05 – SEA MOU: New Employee Salary Range Summary.....120

ACTION The Finance Committee recommends that the Board of Directors approve Resolution 2018 05, *A Resolution Approving New Employee Salary Range Summary to the July 1, 2017 to June 30, 2020 Memorandum of Understanding between the South Orange County Wastewater Authority and the SOCWA Employee Association.*

H. Resolution No. 2018-06 – Employee Manual: New Salary Range Summary.....123

ACTION The Finance Committee recommends that the Board of Directors approve Resolution 2018-06, *A Resolution Approving New Employee Salary Range Summary, Employee Job Classification Salary Schedule and Organizational Chart to the July 1, 2017 Employee Manual.*

I. FY 2018-19 Operating Expenses and Capital Expenditures Budget; Update from the Finance Committee Meetings held May 16, 2018 and May 24, 2018; Finance Committee Recommendations1) Finance Committee Recommendation A130

ACTION The Finance Committee recommends that the Board of Directors approve distribution of Administration Expenses to the General Fund as proposed (TCWD distribution percentages and General Fund Percentages to be Applied to Administrative Expenses as shown).

2) Finance Committee Recommendation B130

ACTION The Finance Committee recommends that the Board of Directors approve funding a limited duration two-year contract for an Executive Assistant position with reconsideration of the position at least 6 months prior to July 1, 2020.

3) Finance Committee Recommendation C131

ACTION The Finance Committee recommends that the Board of Directors approve the Budget Assumptions as presented in the Final Budget to include the following phrase: "The Board acknowledges the above Budget Assumptions as a part of the Budget preparation."

4) Finance Committee Recommendation D131Approval FY 2018-19 Budget

The addition of language as recommended by the Finance Committee is underlined in each recommended action below.

General Counsel will cover the vote requirements for each area at the meeting immediately prior to the motion and vote on each item.

ACTION The Finance Committee Recommends by separate motion and roll call vote:

That the Board of Directors approve the following items comprising the FY 2018/19 Budget, with General Fund Expenses, Operating Expenses and Capital Expenditures as proposed.

1. General Fund Budget

Approval of the FY 2018/19 General Fund Budget. Approval of the General Fund Budget authorizes the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget; and

2. Project Committee Operating Budgets

- a. Approval of the FY 2018/19 Administration Budget (inclusive of project committee administration expenses, residual engineering and IT) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget;
- b. Approval of the Project Committee ("PC") 2 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety and IT) as proposed and PC 2 Capital Expenditures Budget (inclusive of large capital, non-capital engineering and small capital) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget;
- c. Approval of the Project Committee ("PC") 17 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety and IT) and PC 17 Capital Expenditures Budget (inclusive of large capital, non-capital engineering and small capital) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget;
- d. Approval of the Project Committee ("PC") 15 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety and IT) and PC 15 Capital Expenditures Budget (inclusive of large capital, non-capital

engineering and small capital) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget;

- e. Approval of the Project Committee ("PC") 5 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety and IT) and PC 5 Capital Expenditures Budget (inclusive of large capital and non-capital engineering) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget;
- f. Approval of the Project Committee ("PC") 24 Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety and IT) and PC 24 Capital Expenditures Budget (inclusive of large capital and non-capital engineering) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget;
- g. Approval of the Project Committee ("PC") 21 (ETM) Operations and Maintenance Budget and PC 21 Capital Expenditures Budget (inclusive of large capital and non-capital engineering) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget;
- h. Approval of the Project Committee ("PC") 8 (Pretreatment) Operations and Maintenance Budget (inclusive of Environmental Compliance and Safety) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or emergency services policy; funding in excess of the authorized budget requires additional Board action; the Board approves the allocation of expenses with approval of the Budget;
- i. Approval of the Project Committee ("PC") 2SO (PC12) Operations and Maintenance Budget (inclusive of Environmental Compliance, Safety and IT) and authorize the General Manager to expend up to and not more than the total budget funds per the purchasing and/or

emergency services policy; funding in excess of the authorized budget requires additional Board action. Authorization includes the redistribution of the costs of PC 2SO (PC 12) among the member agencies to exclude El Toro Water District and Irvine Ranch Water District); the Board approves the allocation of expenses with approval of the Budget.

- j. The Board directs the staff to prepare and distribute a final printed budget consistent with any additional changes presented and approved at the June 15, 2018 meeting.

J. Monthly Progress Report on State Audit Recommendations134

ACTION The Board will be requested to receive and file the Monthly Progress Report on State Audit Recommendations – State Audit Response Schedule.

K. General Manager's Status Report137

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

- Board Questions
- Receive and file

L. Report of the Nominating Committee - Election of Officers140

ACTION The Board will be requested to elect/appoint Officers to serve the Authority during FY 2018/19.

M. Appointments to the Finance and Executive Committees141

ACTION The Chairman will make appointments to the Finance and Executive Committees.

6. CLOSED SESSION

A. Closed Session will be conducted pursuant to Government Code Section 54957 (b)(1)

Public Employee Appointment
Title: Agency General Counsel

B. Closed Session will be Conducted in accordance with Subdivision (b)(1) of Government Code Section 54956.9

Conference with Legal Counsel – BKK Working Group Claim

C. Conference with Legal Counsel-Anticipated Litigation

Significant Exposure to Litigation Pursuant to Paragraph (2) of subdivision (d) of Section 54956.9: 1 potential case

7. REPORT OUT OF CLOSED SESSION

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 a unanimous vote.]

ADJOURNMENT

NOTE - THE NEXT REGULAR SOCWA BOARD MEETING WILL BE HELD AT
8:30 A.M. ON JULY 5, 2018

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

Jointly with the
PLANNING & OPERATIONS COMMITTEE

June 4, 2018, 8:30 a.m.
MWDOC Conference Room 101

P&O Committee:

Director Osborne, Chair
Director Tamaribuchi
Director Yoo Schneider

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

Ex Officio Member: Director Barbre

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>.

DISCUSSION ITEM

1. WEROC EOC UNKNOWN CONTAMINATION EXERCISE

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.)

2. BAY-DELTA FISHERIES HABITAT DISCUSSIONS AT ACWA CONFERENCE

3. 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

4. REVIEW OF ISSUES RELATED TO CONSTRUCTION PROGRAMS, WATER USE EFFICIENCY, FACILITY AND EQUIPMENT MAINTENANCE, WATER STORAGE, WATER QUALITY, CONJUNCTIVE USE PROGRAMS, EDUCATION, DISTRICT FACILITIES, and MEMBER-AGENCY RELATIONS

ADJOURNMENT

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

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

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
June 6, 2018, 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. 2073)

- **GLORIA GRAY (WEST BASIN MUNICIPAL WATER DISTRICT) COMMENTS REGARDING METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA CHAIRMANSHIP**

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. **STORMWATER CAPTURE**

Recommendation: Review and discuss the information presented.

3. WATER SUPPLY CONDITIONS UPDATE

Recommendation: Review and discuss the information presented.

4. CALIFORNIA WATERFIX ACTIVITIES UPDATE

Recommendation: Review and discuss the information presented.

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

- a. MET's Water Supply Conditions
- b. MET's Finance and Rate Issues
- c. Colorado River Issues
- d. Bay Delta/State Water Project Issues
- e. MET's Ocean Desalination Policy and Potential Participation by MET in the Doheny Desalination Project and in the Huntington Beach Ocean Desalination Project (Poseidon Desalination Project)
- f. Orange County Reliability Projects
- g. East Orange County Feeder No. 2
- h. South County Projects

Recommendation: Discuss and provide input on information relative to the MET items of critical interest to Orange County.

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

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

Recommendation: Review and discuss the information presented.

ADJOURNMENT

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

**MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
June 13, 2018, 8:30 a.m.
MWDOC Conference Room 101

Committee

Director Thomas, Chair
Director Dick
Director Finnegan

Staff: R. Hunter, K. Seckel, C. Harris,
K. Davanaugh, H. Chumpitazi

Ex Officio Member: Director Barbre

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

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

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PROPOSED BOARD CONSENT CALENDAR ITEMS

1. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – May 2018
 - b. Disbursement Approval Report for the month of June 2018
 - c. Disbursement Ratification Report for the month of May 2018
 - d. GM Approved Disbursement Report for the month of May 2018
 - e. Water Use Efficiency Projects Cash Flow – May 31, 2018
 - f. Consolidated Summary of Cash and Investment – April 2018
 - g. OPEB Trust Fund monthly statement
2. FINANCIAL REPORT - Combined Financial Statements and Budget Comparative for the Period ending April 30, 2018

ACTION ITEMS

3. 2018 CONFLICT OF INTEREST CODE -- BIENNIAL REVIEW
4. AUTHORIZE ISSUANCE OF ADDITIONAL DISTRICT CREDIT CARD AND AMENDMENT TO ADMINISTRATIVE CODE SECTION 2205
5. ADOPT RESOLUTION ESTABLISHING THE EMPLOYER PAID MEMBER CONTRIBUTION AMOUNT TO CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM (CALPERS)

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

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

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MEETING OF THE
BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
PUBLIC AFFAIRS AND LEGISLATION COMMITTEE
June 18, 2018, 8:30 a.m.
Conference Room 101

Committee:

Director Dick, Chair
Director Thomas
Director Tamaribuchi

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

Ex Officio Member: Director Barbre

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

PUBLIC PARTICIPATION

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

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

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

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

DISCUSSION ITEMS

1. LEGISLATIVE ACTIVITIES
 - a. Federal Legislative Report (Barker)
 - b. State Legislative Report (BBK)
 - c. County Legislative Report (Lewis)
 - d. Legal and Regulatory Report (Ackerman)
 - e. MWDOC Legislative Matrix
 - f. Metropolitan Legislative Matrix

ACTION ITEMS

2. SB 998 (DODD) - WATER SHUTOFFS: URBAN AND COMMUNITY WATER SYSTEMS

3. DEPARTMENT OF INTERIOR APPROPRIATIONS LANGUAGE - CALIFORNIA WATER INFRASTRUCTURE
4. AWARD OF CONTRACT FOR LEGAL AND REGULATORY 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.)

5. 2018 OC WATER SUMMIT RECAP (JUNE 1, 2018)
6. WYLAND MAYOR'S CHALLENGE POCKET PARK- PROJECT UPDATE
7. EDUCATION PROGRAM UPDATE
8. PUBLIC AFFAIRS ACTIVITIES REPORT
9. POSTER SLOGAN CONTEST
10. WEBSITE AND SOCIAL MEDIA ANALYTICS AND UPDATE

OTHER ITEMS

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

ADJOURNMENT

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

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

REGULAR MEETING
OF THE BOARD OF DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
June 20, 2018, 8:30 a.m.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENTS/PARTICIPATION

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

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

NEXT RESOLUTION NO. 2073

CONSENT CALENDAR (Items 1 to 8)

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

1. MINUTES

- a. May 2, 2018 Workshop Board Meeting
- b. May 16, 2018 Regular Board Meeting

Recommendation: Approve as presented.

2. COMMITTEE MEETING REPORTS

- a. Planning & Operations Committee Meeting: May 14, 2018
- b. Administration & Finance Committee Meeting: May 9, 2018
- c. Public Affairs & Legislation Committee Meeting: May 21, 2018
- d. Executive Committee Meeting: May 17, 2018

Recommendation: Receive and file as presented.

3. TREASURER'S REPORTS

- a. MWDOC Revenue/Cash Receipt Register as of May 31, 2018
- b. MWDOC Disbursement Registers (May/June)

Recommendation: Ratify and approve as presented.

- c. Summary of Cash and Investment and Portfolio Master Summary Report (Cash and Investment report) as of April 30, 2018
- 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 April 30, 2018

Recommendation: Receive and file as presented.

5. TRAVEL TO WASHINGTON, DC TO COVER FEDERAL INITIATIVES

Recommendation: Approve the travel report and expenditures.

6. TRAVEL TO SACRAMENTO TO COVER STATE INITIATIVES

Recommendation: Approve the travel report and expenditures.

7. 2018 CONFLICT OF INTEREST CODE – BIENNIAL REVIEW

Recommendation: Approve changes to the Districts Conflict of Interest Code and authorize staff to submit the 2018 Biennial Review Code changes to the Orange County Clerk of the Board of Supervisors, and revise the Administrative Code accordingly.

8. AUTHORIZE ISSUANCE OF ADDITIONAL DISTRICT CREDIT CARD AND AMENDMENT TO ADMINISTRATIVE CODE SECTION 2205

Recommendation: Authorize staff to (1) order a credit card for the Public Affairs department with a credit limit of \$5,000; and (2) approve the changes to the Administrative Code Section 2205 regarding credit card authorizations.

End Consent Calendar

ACTION ITEMS**9-1 ADOPT RESOLUTION ESTABLISHING THE EMPLOYER PAID MEMBER CONTRIBUTION AMOUNT TO CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM (CALPERS) RES. NO. _____**

Recommendation: Adopt Resolution establishing the employer (MWDOC) paid member contribution amount of 0% to CalPERS, effective July 1, 2018; and submit the Resolution to CalPERS for its records.

9-2 SB 998 (DODD) – WATER SHUTOFFS: URBAN AND COMMUNITY WATER SYSTEMS

Recommendation: Vote to change MWDOC's adopted position of oppose unless amended on SB 998 (Dodd) to oppose.

9-3 DEPARTMENT OF INTERIOR APPROPRIATIONS LANGUAGE – CALIFORNIA WATER INFRASTRUCTURE

Recommendation: Adopt a support position on the draft language in the U.S. Department of Interior's Appropriation Bill related to California Water Infrastructure and send a letter to Congressman Ken Calvert expressing MWDOC's position

9-4 SELECTION OF A FIRM TO PROVIDE LEGAL AND REGULATORY SERVICES

Recommendation: Authorize the General Manager to enter into a contract with Ackerman Consulting to provide legal and regulatory services.

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

10. GENERAL MANAGER'S REPORT, JUNE 2018 (ORAL AND WRITTEN)

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

11. MWDOC GENERAL INFORMATION ITEMS

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

Recommendation: Receive and file as presented.

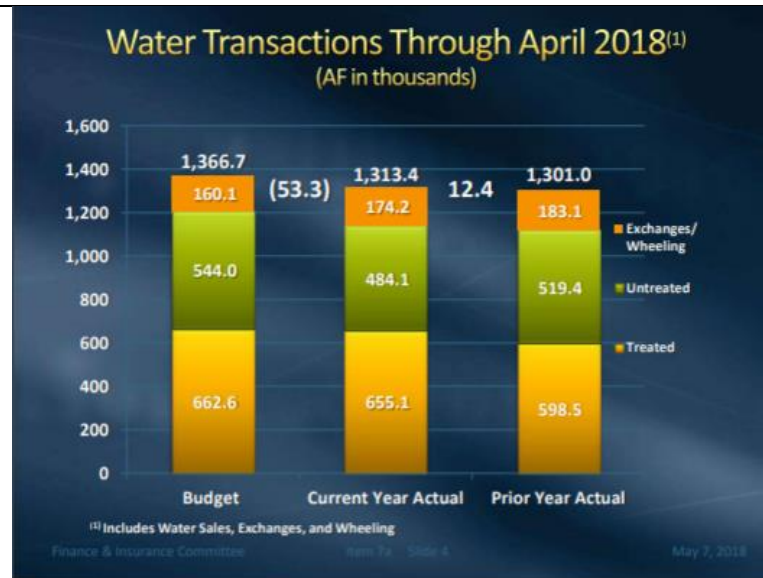
ADJOURNMENT

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

GENERAL MANAGER'S REPORT OF STAFF ACTIVITIES JUNE 2018

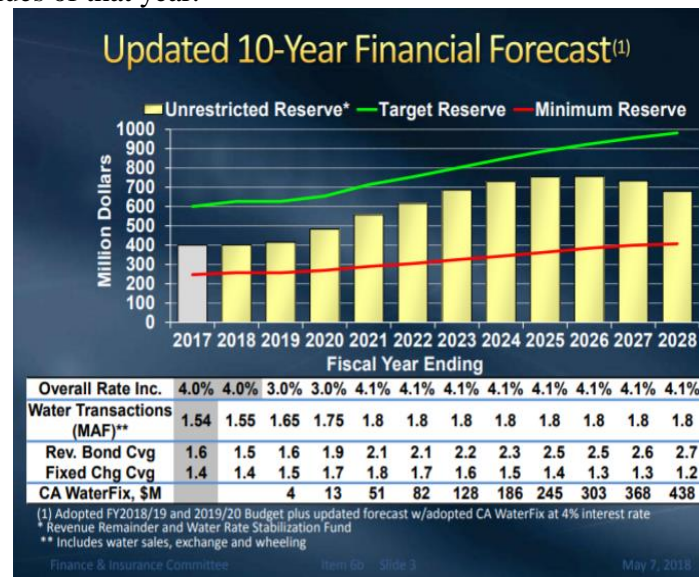
Managers' Meeting	<p>MWDOC held its Member Agency Managers' meeting at its office in Fountain Valley on May 17, 2018. In attendance were Lisa Ohlund (EOCWD); Mark Sprague (Fountain Valley); Cel Pasillas (Garden Grove); Ken Vecchiarelli (GSWC); Paul Cook and Paul Weghorst (IRWD); Paul Shoenberger (Mesa); Drew Atwater (MNWD); John Kennedy (OCWD); Jose Diaz (Orange); David Spitz (Seal Beach); Michael Perea (TCWD); and Marc Marcantonio (YLWD); and Karl Seckel, Harvey De La Torre, Melissa Baum-Haley, Charles Busslinger, Joe Berg, Chris Lingad, Kevin Hostert, Kelly Hubbard, and myself of staff.</p> <p>The agenda included the following:</p> <ol style="list-style-type: none"> 1. Update on CA WaterFix 2. Discussion on California Water Plan's Water Use Surcharge – ACWA 3. Comment Letter and Suggested Alternatives to Water Tax 4. LAFCO Municipal Service Review 5. Briefing on Unknown Contamination Exercise 6. Water Use Reporting Analysis & Agency Discussion 7. AB 3045 (Gallagher) 8. Update on Conservation Legislation <p>The next meeting is scheduled for June 21, 2018.</p>
Meetings	<p>Karl Seckel and Charles Busslinger met with EOCWD staff on May 24, 2018 to discuss integration issues of a possible reconstruction of Peters Canyon water treatment facility.</p> <p>MWDOC staff hosted a meeting on May 24, 2018 between Engie Services and South Coast WD staff to discuss alternative energy solutions for the Doheny Desalination Project.</p> <p>Charles Busslinger attended the monthly San Juan Basin Authority Board Meeting on May 17, 2018.</p> <p>Charles Busslinger attended a presentation at West Basin on May 2, 2018 at West Basin on the Draft Environmental Impact Report for its proposed Ocean Desalination Project.</p> <p>Harvey De La Torre attended the bi-monthly meeting with representatives from Yorba Linda Water District and OCWD. Topics discussed included pending legislation, MET water supply conditions, condition of the OCWD groundwater basin, PFOS/PFOA and Arsenic Testing and Mitigation, Huntington Beach Desalination Project, the California WaterFix, North and</p>

	South Basin Projects, Coastal Pumping Transfer Program, and the YLWD well projects.																				
<div>MET ITEMS CRITICAL TO ORANGE COUNTY</div>																					
MET's Water Supply Conditions	<p>In May, the Department of Water Resources (DWR) increased the State Water Project (SWP) “Table A” allocation to 35%, giving Metropolitan approximately 683 thousand acre-feet (TAF) in SWP deliveries this water year. In addition, on the Colorado River system, Metropolitan estimates a total delivery of 945 TAF.</p> <p>With estimated total demands and losses of 1.63 million acre-feet (MAF), at a 35% SWP allocation, Metropolitan is projecting that demands will equal supply levels in CY 2018. Based on this, estimated total dry-year storage for Metropolitan at the end of CY 2018 will go down to 2.5 MAF.</p> <div><div>2018 Supply Demand Balances</div><table><thead><tr><th>Scenario</th><th>SWP* (TAF)</th><th>CRA** (TAF)</th><th>Total (TAF)</th><th>Balance (TAF)</th></tr></thead><tbody><tr><td>Current (30%)</td><td>587</td><td>945</td><td>1532</td><td>-98</td></tr><tr><td>Anticipated Range (35%)</td><td>683</td><td>945</td><td>1628</td><td>~ Balanced</td></tr><tr><td>Anticipated Range (40%)</td><td>779</td><td>945</td><td>1724</td><td>+94</td></tr></tbody></table></div>	Scenario	SWP* (TAF)	CRA** (TAF)	Total (TAF)	Balance (TAF)	Current (30%)	587	945	1532	-98	Anticipated Range (35%)	683	945	1628	~ Balanced	Anticipated Range (40%)	779	945	1724	+94
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MET's Finance and Rate Issues	<div>MET Financial Report</div> <p>Water transactions through April were 53.3 TAF lower than budget and 149.7 TAF lower than the 5-year average. Deviation from the budget is a result of continued low untreated water sales.</p>																				



Updated 10-Year Forecast

The updated Ten-Year Forecast reflects April 2018 Board action to fund up to 64.6% share of the full-scale CA WaterFix. The dollar values are presented as the dollar values of that year.



Colorado River Issues

U.S. Bureau of Reclamation (Reclamation) issues April 24-Month Study

Reclamation uses the April 24-Month Study to predict inflows in Lake Powell, model possible reservoir elevations, and pursuant to the 2007 Interim Guidelines, determine, operations of Lake Powell. Water Year 2018 will be governed by the Upper Elevation Balancing Tier. A nine million acre-foot release from Lake Powell is expected, however actual releases may vary due to hydrology through the remainder of the year. If the minimum release of 8.23 million acre-feet occurs under the most probable scenario, end of water year elevation in Lake Mead is predicted to be just over 1,075 feet, which is just above the elevation triggering shortage in the Lower Basin. Runoff projections of unregulated inflow into Lake

Colorado River Issues (continued)	<p>Powell from April to July 2018 are 43 percent of the 30-year average. Consistent with Section 2.B.5 of the 2007 Interim Guidelines, in 2018 the Intentionally Created Surplus (ICS) Condition applies, which gives Metropolitan and other ICS contractors the option to order delivery of ICS.</p> <p><u>Bard Water District's (Bard) Pilot System Conservation Program Agreement</u></p> <p>Following the successful conclusion of the Metropolitan-Bard two-year fallowing pilot program in 2017, Bard has committed to establish a seasonal land fallowing program for landowners and lessees to fallow during 2018 and 2019, not to exceed 2,000 acres each year, for a four-month period from April to August to conserve up to an estimated 3,600 acre-feet of water per year through an agreement in the Pilot System Conservation Program. In order to facilitate this pilot program, Metropolitan has agreed not to request delivery of any water created by the program.</p> <p><u>Letters from the Upper Colorado River Commission (UCRC) and Denver Water</u></p> <p>On April 13, the UCRC sent a letter to the director of the Arizona Department of Water Resources and on April 16, Denver Water sent a letter to the chairman of the Central Arizona Water Conservation District regarding positions taken in Arizona that may negatively impact development of water operations and implementation of the Drought Contingency Plan. As of the date of this report, neither agency in Arizona has provided a written response to the two letters.</p>
Bay Delta/State Water Project Issues	<p><u>California WaterFix</u></p> <p>On April 10, the Board of Directors voted to provide the additional financing necessary to allow for the construction of the full California WaterFix project. The Board authorized \$10.8 billion for the project to modernize the state's water delivery system. Metropolitan would be responsible for its 47 percent of the State Water Project share of 6000 cfs and fully responsible for the remaining 3000 cfs capacity. Metropolitan's action helps to ensure the project is completed as originally proposed and studied. Metropolitan's portion of financing is expected to cost households in its service area on average up to \$4.80 a month, though that average cost would be reduced as Metropolitan recoups some of its investments from other agencies anticipated to have the need for conveyance. The full project better accomplishes WaterFix's co-equal goals of improving the environment and securing supply reliability. The 9000 cfs capacity allows flexibility to capture the high flows of big storms that climate change is expected to bring and reduces reverse flows in the south Delta that disrupt the Delta's ecology.</p> <p>The California WaterFix Petition proceedings before the State Water Resources Control Board (SWRCB) are ongoing. Part 2 of the hearings, which consider the effects of the proposed project on fish and wildlife, resumed on February 22 and are continuing this month. Metropolitan staff is continuing to review the information presented by hearing participants and is coordinating with State Water Contractors to participate in the hearing.</p>

Bay Delta/State Water Project Issues (continued)	<p><u>Science Activities</u></p> <p>The second year of field studies for the Salmon Predation Study (Study) is underway at Bouldin Island. This Study was funded by a California Department of Fish and Wildlife grant, with matching funds from Metropolitan. The Study is examining how the number of predators impact juvenile salmon survival, and how the interaction between habitat features and predators impact juvenile salmon survival. The field work for the Study will be completed in May 2018 and a preliminary report of findings will be available in July 2018.</p> <p>Metropolitan staff participated in two workshops addressing the Winter-Run Life Cycle Model, which has been used in the recent National Marine Fisheries Service (NMFS) Biological Opinion for California WaterFix. The workshop provides stakeholders an opportunity to understand the model, identify knowledge gaps, and propose improvements. This particular workshop reviewed how stakeholder comments to date have been incorporated into the model, updates to the particle tracking model element, how ocean harvest of salmon is incorporated into the model, and the schedule for completing some of these updates.</p> <p>Metropolitan staff participated in a workgroup to identify research needs in the Sutter Bypass to better understand benefits of this habitat to juvenile salmonids. Since the initiation of this group, approximately one year ago, members of the group have started several studies that are currently underway to examine lower trophic level community, fish community, and juvenile salmon growth rates in the Sutter Bypass under flooding and non-flooding conditions. Information from these studies will be presented at the Bay-Delta Science conference in September 2018.</p> <p>Metropolitan staff is participating in the Structured Decision Making Process for Scientific Management in the Bay-Delta, which is sponsored by the U. S. Bureau of Reclamation and the Delta Science Program. The objective of this effort is to develop a decision support tool to evaluate proposed Bay-Delta management options in a transparent manner. The process is facilitated by Dr. James Peterson of Oregon State University, and it includes consideration of actions to benefit Delta smelt and salmon. The April meeting focused on evaluation of existing decision support models for Delta smelt.</p> <p>On April 6, Metropolitan staff participated in a workshop sponsored by the Delta Science Program to provide input on the update to the Delta Science Plan. The workshop discussion focused on the policy-science interface, modeling collaboration, integrated monitoring, and adaptive management. The Delta Science Program is expected to release a draft revised Delta Science Plan for public comment in the summer of 2018.</p> <p>On April 9, Metropolitan staff met with scientists from San Francisco State University, ICF International, California Department of Fish and Wildlife, US Geological Society, and Resource Management Associates to coordinate our collective Longfin Smelt Prop 1 grant-funded projects. The group discussed new and developing analyses as well as publications.</p>
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Bay Delta/State Water Project Issues (continued)	<p>Metropolitan staff continued participation in the Collaborative Science and Adaptive Management Program, including participation on the Collaborative Adaptive Management Team (CAMT). In April, Metropolitan staff provided comments on the draft Delta Smelt Entrainment Study report. The study suggests that factors of water exports, hydrology, precipitation, and abundance correlate with Delta smelt salvage at the water projects Delta pumping plants. The study is organized in three parts, with Part 1 close to completion and ready for CAMT review. Parts 2 and 3 are still being reviewed by the Delta Smelt Scoping Team. Metropolitan staff also worked with the CAMT salmon subcommittee to develop a comprehensive, long-term research strategy for salmonids in the Delta. To support this effort, the subcommittee is planning a two day in-person workshop to provide an opportunity for researchers and managers to share within and across their groups their science needs, endeavors, and challenges. The objective of the workshop is to facilitate coordinated investigation into the mechanisms behind juvenile salmonid survival to support the development of forecasting and other management-related decision support tools.</p> <p><u>Delta Flood Emergency Management Plan</u> The California Department of Water Resources (DWR) has modified the emergency response tool (ERT) to facilitate the analysis of proposed emergency response actions to respond to catastrophic levee failures in the Delta. The ERT has been modified to isolate the effectiveness of selected channels independent of others for conveyance to the export pumps. DWR is using the modified tool to evaluate use of south Delta channels to convey San Joaquin River flows to export facilities ahead of emergency freshwater pathway implementation. Metropolitan staff will review the results of these studies, and the information will be included in the Delta Flood Emergency Management Plan (DFEMP). DWR is expected to announce the schedule for the completion of the DFEMP soon, after briefing their management.</p>
MET's Ocean Desalination Policy and Potential Participation in the Doheny and Huntington Beach Ocean (Poseidon) Desalination Projects	<p><u>Doheny Desal</u> The details of this are outlined below under "South County Projects"</p> <p><u>Poseidon Huntington Beach</u> The State Lands Commission approved the lease amendment for the proposed Huntington Beach Desalination Project on October 19, 2017.</p> <p>Work is still proceeding by the Santa Ana Regional Water Quality Control Board ("RWQCB") to consider the NPDES permit and Ocean Plan Amendment compliance for the Poseidon Project. It is anticipated that the Project will be considered sometime later this summer.</p> <p>The California Coastal Commission will then consider approval of a Coastal Development Permit. OCWD is still working on the system integration concepts.</p>

South Orange County Projects	<p><u>Doheny Desal Project</u></p> <p>On May 17, 2018 South Coast WD released the Doheny Ocean Desalination Project Draft Environmental Impact Report (EIR) for public comments.</p> <p>A Draft EIR Public Meeting will be held on June 26, 2018 at 6:00pm at Capistrano Unified School District Education Center. Comments on the Draft EIR are due by July 23, 2018.</p> <p>GHD is developing a Scope of Work for a 3rd party legal firm to assist with Design-Build-Operate (DBO) contract development. A Request For Qualifications (RFQ) for 3rd party legal firms is anticipated to be released the week of May 28, 2018 and proposals are due by the end of June 2018.</p> <p><u>SMWD Trampas Canyon Recycled Water Reservoir</u></p> <p>The Notice to Proceed was issued January 30, 2018 and the project is now 13% complete. The project is designed to create 5,000 acre-feet of recycled water storage capacity and will be the largest surface water reservoir in South Orange County. The project is currently projected to conclude on or before December 20, 2019.</p> <p><u>San Juan Watershed Project</u></p> <p>Santa Margarita Water District (SMWD) continues working on the San Juan Watershed Project. Phase 1 is designed to capture 30 - 2,000 AFY (average of 700 AFY) of wet and dry weather urban runoff through the installation of rubber dams along the lower portion of San Juan Creek. Subsequent project phases are planned to introduce recycled water into San Juan Creek for infiltration into the groundwater basin.</p> <p>The Draft Program Environmental Impact Report (Draft PEIR) was circulated for a 65-day public review period, which ended February 23, 2017. The PEIR was originally scheduled for adoption in March 2018. Due to the complexity of some of the issues associated with the steelhead trout which were raised during the public comment period, additional environmental studies are required. SMWD Board adoption of the PEIR has been postponed until the required studies are completed.</p> <p><u>Other Information on South County Projects:</u></p> <p><u>Expansion of the South County Interconnection Project</u></p> <p>An agreement completed in 2006 resulted in an investment by South Orange County (SOC) agencies in the Irvine Ranch Water District (IRWD) system to allow exchanges of water to be delivered by IRWD into SOC under emergency situations. Project capacity was committed by IRWD to move up to 30 cfs of emergency supplies whereas the agreement allows moving up to 50 cfs, not to exceed 3,000 AF per emergency event. In accordance with the Agreement with IRWD, the monthly emergency capacity committed to the SOC agencies declines over time with zero capacity available in the months of July through September beginning in 2020 and goes to zero in all months by 2030. Under all circumstances IRWD will provide best efforts to help with emergency supplies.</p>
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South Orange County Projects (continued)	<p>The Board awarded a contract to Dudek on April 18, 2018 to study the ability/constraints of IRWD’s system to move water through their system to SOC agencies into the future. A kick-off meeting with IRWD staff, MWDOC staff, and Dudek was held May 14, 2018. A draft report is anticipated in September 2018.</p> <p>MWDOC is also working on other options with OCWD and MET to move groundwater via the EOCF#2 to SOC during emergency events. A preliminary meeting with MET senior staff was held in February 2018. Now that MET staff have had time to review the details, a follow up meeting with MET senior staff is being scheduled for June 2018.</p>																																																																																																											
ENGINEERING & PLANNING																																																																																																												
Orange County Reliability Study	<p><u>Orange County Reliability Study Update</u></p> <p>MWDOC staff and consultant CDM Smith continue to work on the 2018 OC Reliability Study update which looks at both supply (drought supply) reliability and system (emergency) reliability. The update uses modeling assumptions based on more recently available information on future assumptions for the Integrated Water Resources Plan (IRP), Colorado River, and State Water Project (SWP). The update looks to include modeling of SWP supplies once the California WaterFix volumes are determined.</p> <p>MWDOC staff has been working to obtain the updated modeling of SWP supplies with the WaterFix in place assuming MET only participates in the yield from one of the tunnels (this assumes that full repayment and yield from the second tunnel goes to other entities). In addition, staff has been working to prepare updated MET water rate forecasts for the same scenario. Assuming the information is made available to our consultant CDM-Smith by June 8, 2018, the schedule for completing the OC Water Reliability Study Update is below.</p> <table><tr><th rowspan="2">Task</th><th colspan="3">June</th><th colspan="4">July</th><th colspan="4">August</th></tr><tr><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th></tr><tr><td>Scenario Gap Analysis</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Evaluation of Projects</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Draft TM</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Revised Draft TM</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Presentation for Agencies</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Final TM</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Board Presentation</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Task	June			July				August				2	3	4	1	2	3	4	1	2	3	4	Scenario Gap Analysis												Evaluation of Projects												Draft TM												Revised Draft TM												Presentation for Agencies												Final TM												Board Presentation											
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South Orange County Emergency Service Program	<p>A kick-off meeting was held on May 14, 2018 with consultant Dudek, IRWD staff, and MWDOC staff to study IRWD’s ability to convey groundwater via an interconnection with South Orange County water agencies under emergency supply conditions. Charles Busslinger participated in a follow up meeting with IRWD staff and the consultant to discuss technical details of the</p>																																																																																																											

	study on June 5, 2018. A draft report on the findings is anticipated in September 2018.
SOQ's Requested by MWDOC	MWDOC staff is working with Ed Means to host a workshop in the next few months on integrating potential local water supply projects into the OC water system such as Poseidon, Doheny or the groundwater pump-in project. The concern is that these local projects may be implemented by others, and without fully accounting for the water quality considerations and other issues, could result in unintended consequences. MWDOC's goal is to try to fully understand the associated issues prior to any of these projects going on-line. The intended outcome of the workshop is to develop scopes of work for follow-up.
Strand Ranch Project	Ad Hoc Committees of MWDOC and IRWD met to discuss the potential for MWDOC to provide assistance in advancing the Strand Ranch Project to open it up to others in Orange County. The Committees directed their respective staff to continue working on the terms and conditions for such an effort.
Upcoming Issues with MET	<p>MWDOC and MET staff have been working on a number of items together, including:</p> <ul style="list-style-type: none"> • Resolution of Service Connection CM-1 flow issues to Laguna Beach CWD • Conduct of a flow test at the EOCWD OC-70 to test the meter accuracy • Access, water quality sampling and the responsibility for an emergency generator at the OC-70 Service Connection • Use of East Orange County Feeder No. 2 for Conveyance of Groundwater or Poseidon Water • Replacement of Service Connection OC-13A to monitor low flows into Irvine Lake • Ownership/maintenance responsibilities between SMWD and MET regarding the South County Pipeline • Installation of NEW Mag Meters at Service Connection CM-12 • Storage of Emergency Water within the MET system
SMWD Rubber Dams Project	The Draft Program Environmental Impact Report (PEIR) was circulated for a 65-day public review period, which ended February 23, 2017. The EIR was originally scheduled for adoption in March 2018. Due to the complexity of some of the issues associated with the steelhead trout, SMWD Board adoption of the EIR has been postponed until additional study work is completed.

EMERGENCY PREPAREDNESS

Coordination with WEROC Member Agencies	<p><i>Ongoing: WEROC, with Michael 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 Soto has been working with each participating agency to review drafts. Next steps include: required public outreach meetings (tentatively in June 2018); submitting a Final Draft to CalOES around July; once approved by CalOES, it will then be submitted to FEMA; and once approved by CalOES and FEMA, each participating agency will submit the plans to their elected boards for adoption. The complete process is expected to be completed by December 2018.</i></p> <p><i>WEROC Radio Replacement Update: Francisco Soto continues to work with member agencies, Motorola, and the Sheriff's Communications staff to implement the OC 800 MHz radio system for WEROC. All WEROC member agencies that are special districts have had their radios programmed and installed. There have been some delays in the programming of the City Water Department radios due to several changes in the county-wide radio programming and federal regulations happening all at the same time (see notes below on band reconfiguration and P25 updates). Francisco will be working with each City Water Department to clarify the various changes that are occurring, to confirm where each city is in the process and to facilitate any needed additional steps to bring them onto the new WEROC Radio System. Motorola will be installing the new system at the MWDOC administration building and the WEROC South Emergency Operations Center this month. WEROC will formally switch to the new system following installation. Francisco is working with the County to schedule trainings on the new system.</i></p> <p><i>Kelly Hubbard and Francisco both attended their first Orange County Communications meeting. The meeting discussed the current radio band reconfiguration project and the P25 updates (both required federal changes in equipment functionality). Radio Band Reconfiguration projects are due to the need to adjust the programming of public safety radios with narrower frequencies to meet the need nationally for more bandwidth and channels as commercial wireless systems have grown over the years. P25 is a new national standard for interoperability of radio systems between agencies. Many agencies have had to purchase new radios to meet the P25 standards that allow for this inter-agency communications. The new WEROC radios meet both of these new concepts for band reconfiguration and P25 standards. Attending this meeting really helped to clarify some of the delays we have had in coordinating the radio updates with the cities.</i></p>
Training and Programs	<p>Francisco collaborated with the Orange County Water Association in the development of the annual Safety Fest. Francisco was charged with obtaining speakers for the event that took place on Thursday, May 24, 2017. Topics included: Silica Safety, Pipe Locating, Arc Flash Safety, Developing a Safety Program, and Physical Wellness. Leah Frazier will develop and distribute</p>

	<p>certificates for the event which include Contact Hours for attendee Operator Certifications.</p> <p>WEROC has facilitated a series of trainings and meetings in preparation for an Unknown Contamination of Drinking Water Exercise. A full report is included in the June Planning and Operations Board Committee packet, including the WEROC After Action and Corrective Action Report and a presentation to the Committee. Activities that occurred this month related to this event include:</p> <ul style="list-style-type: none"> • Kelly met with East Orange County Water District to help them develop their tabletop discussion questions for their internal exercise. • Francisco, Janine Schunk and Kelly spent significant time updating EOC forms, documents, and various resources at the EOC to ensure it was ready for the exercise and included the most current information. Janine provided additional assistance with the logistics of refreshments and overall EOC support resources. • The WEROC EOC was activated for a functional exercise on May 15, 2018. • Kelly provided a presentation to MWDOC Member Agency Managers on the exercise, their participation and lessons learned. • WEROC staff conducted an After Action Meeting with its member agencies to receive feedback on their lessons learned and future efforts related to this planning area.
Coordination with the County of Orange	<p>Kelly attended the May Orange County Emergency Management Organization (OCEMO) meeting that took place in Mission Viejo. Tiffany Everett from Good360 discussed the importance of partnering with non-profit organizations that deliver goods throughout all phases of disaster recovery and Michelle Anderson from the Emergency Management Division presented "Orange County Operational Area AlertOC/EAS/WEA Activation Requests" document and process.</p> <p>Kelly attended the May OCEMO Exercise Design Meeting. She provided the group a presentation on Message Mapping and how it can be incorporated into disaster exercises in order to create tools that can be used in a disaster. The meeting also discussed the County-wide exercises in the coming year.</p> <p>Kelly attended the Orange County Urban Area Working Group meeting and 2017 Homeland Security Grant Roll Out. WEROC was given accolades during the meeting as a model agency in our documentation and reporting processes in regards to these grants.</p> <p>Kelly attended the quarterly Emergency Management Council and Operational Area (OA) Executive Board meeting as the voting representative for ISDOC. Several important County and OA Annexes and Reports were approved, including the OC San Onofre Nuclear Generating Station (SONGS) Plan and the OA Tsunami Annex. Additionally the County of Orange and Operational Area EOC Canyon Fire 2 After Action Report was discussed. This report is specific to the County EOC and does not include the overall field response or other jurisdictions' responses.</p>

EOC Readiness	<p>Staff participated in the MET MARS radio test and the OA Radio Test.</p> <p>Francisco is currently working on incorporating changes to the Emergency Operations Center (EOC) Position Binders to include recommended changes from EOC staff and processes observed during the exercise.</p> <p>Janine continues to work with ATT to fix phone and internet issues at both EOCs, including completing the switch the ATT CalNet government account programs. Once completed the WEROC phone bills should be reduced in costs, allowing for needed upgrades in internet speed without increasing the overall costs.</p>
Coordination with Outside Agencies	<p>Kelly attended the Southern California Emergency Services Association (SCESA) Board Annual Strategic Planning Meeting. The meeting facilitates how SCESA will engage its members in the coming year, provide training and work with CalOES to ensure cooperative relationships during disasters.</p> <p>Kelly participated in a conference call with several staff of the FBI who are working on rolling out "Cyberhood Watch" for water utilities. WEROC and its member agencies have been identified as potential partners to participate in this new program with FBI. The program was developed to create a forum for water utilities to share information on cyber-attacks, security measures and various resources with each other. Kelly will be inviting Member Agencies to participate in the program soon.</p>
<h2 style="margin: 0;">WATER USE EFFICIENCY</h2>	
Metropolitan Water Use Efficiency Workgroup	<p>On May 17, Beth Fahl attended Metropolitan's Water Use Efficiency Workgroup meeting. Approximately 30 member agencies participated in the meeting. Agenda items included:</p> <ul style="list-style-type: none"> • Member Agency Roundtable • Online Plant Database • One-Stop Shop for Water and Energy Efficiency Program • Metropolitan Water District Updates <ul style="list-style-type: none"> ○ 2018 Innovative Conservation Program ○ Landscape Transformation Program ○ QWEL • External Affairs Update <p>The next Workgroup meeting is scheduled for June 21, 2018 at Metropolitan.</p>

California Water Efficiency Partnership	<p>On May 30 and 31, Joe Berg, Matthew Conway, and Rachel Waite attended the 3rd Annual Peer to Peer Conference sponsored by the California Water Efficiency Partnership. This conference was held in San Francisco and was attended by more than 150 water use efficiency professionals from throughout the state. The conference included a broad variety of topics including:</p> <ul style="list-style-type: none"> • From Intention to Action: The case for investing in market research to improve the effectiveness of your outreach • Conservation & Efficiency 101: Everything you need to know to get started • Declining flows, water woes and revenue impacts: The unintended consequences of water efficiency • Drips, Drops & Water Loss: Developing data driven water loss programs • Research for Impact: Developing a meaningful research agenda for CalWEP • The Evolution of Landscape: How learning from past initiatives has helped keep customers engaged while generating real savings • Discovering Possibilities: Conducting a Conservation Potential Study • The CII Struggle: Navigating the World of Commercial Programs • Plenary Session: What is the Framework Going to Mean for Me? • Enter the Nexus: Water & Energy Calculation Methods • Build Social Capital with NGO Partnerships: Leveraging shared resources to address equity and foster resilience • Water Technology Showcase
Orange County Water Use Efficiency Coordinators Workgroup	<p>On June 7, Steve Hedges, Beth, Matthew, and Rachel hosted the Orange County Water Use Efficiency Coordinators Workgroup meeting at El Toro Water District. Approximately 17 agencies participated in the meeting. Highlights on the agenda included:</p> <ul style="list-style-type: none"> • MWDOC Updates • Agency Roundtable/Problem Solving • Long Term Water Use Efficiency Legislation • Public Affairs Update • Metropolitan Update <ul style="list-style-type: none"> ○ Landscape Transformation Program ○ ICP Program ○ Regional Rebate Program Audit – CII and Residential ○ QWEL • Water Use Efficiency Programs Update <ul style="list-style-type: none"> ○ Landscape Transformation Program ○ Orange County Qualified Water Efficient Landscaper Training (OC-QWEL) ○ Landscape Design Assistance Program ○ MET-Funded/Member Agency Administered Program for FY 18/19 ○ Addendums • California Water Efficiency Partnership (CalWEP) Update

	<ul style="list-style-type: none"> • ETWD Demonstration Garden Tour • Future Agenda Items <p>The next meeting is scheduled for August 2, 2018 at MWDOC.</p>
California Department of Water Resources	<p>On June 11, Joe participated in a Webinar hosted by the California Department of Water Resources (DWR). The purpose of the webinar was for DWR to share the results of the initial landscape area measurement study designed to provide urban water suppliers with irrigable area information for compliance with SB 555. The study is designed to develop a methodology to measure irrigable area by parcel. The City of Santa Rosa and Padre Dam Municipal Water District were included in this initial study. Two additional studies are planned including 10 and 50 agencies respectively. The methodology developed in these studies will be used to estimate irrigable area for all parcels in the state. DWR is tasked with providing irrigable area information by parcel to each urban water supplier by January 1, 2021.</p>
<h2>PUBLIC/GOVERNMENT AFFAIRS</h2>	
Member Agency Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> • Updated the commercial and residential rebate flyers for Water Use Efficiency – which were to be used for a Brea Chamber of Commerce event • Water Awareness Poster Contest Awards Ceremony. <ul style="list-style-type: none"> ○ We received 861 poster submissions and hosted our awards ceremony for the top 40 winners, June 4th, with 113 student and parent attendees. As top 40 winners, students received a wooden art box and water conservation buckets, along with an iPad mini for our top four winners. The poster contest awards ceremony was followed up by a class pizza party and a Ricki Raindrop appearance for one of the participating classes drawn at random. • Prepared and distributed an agenda for an upcoming Leg/PAW workgroup for member agencies. • Provided Metropolitan staff with answers to questions related to the rebuild of the MWDOC website. • Provided SCWD a requested presentation from Summit. • Coordinated a Ricki Raindrop appearance with Yorba Linda Water District at their Spring Open House. • Coordinated a Ricki Raindrop appearance with Santa Margarita Water District at their annual Water Festival. • Provided Trabuco Canyon Water District with requested giveaway items for Water Awareness Day. • Provided Public Affairs update for the monthly Water Use Efficiency workgroup meeting. • Contacted the City of Westminster to announce and congratulate staff on winning the 2018 Mayor's Challenge and pocket park.

	<ul style="list-style-type: none"> Shared city stats for the 2018 Mayor's Challenge with the City of San Clemente.
Community Relations	<p>Public Affairs Staff:</p> <ul style="list-style-type: none"> Sent the following announcements to ACWA for posting and distribution: <ul style="list-style-type: none"> 2018 OC Water Summit Press release for Metropolitan's Solar Cup (Read published press release at: https://www.acwa.com/news/teams-from-oxford-academy-and-costa-mesa-high-school-place-at-metropolitan-water-districts-2018-solar-cup/) Press release for 2018 Wyland Mayor's Challenge winner. Press release for MWDOC and MET Water District grants purchases innovative water-saving truck: https://www.acwa.com/news/huntington-beach-receives-innovative-water-saving-truck-through-mwdoc-and-metropolitan-water-district-grants/
Education	<ul style="list-style-type: none"> Coordinated and provided information to City of San Clemente for San Clemente HS Lunchtime Expo. Provided information to Santa Margarita Water District to attend the Wagon Wheel Elementary School assembly. Provided information to the City of Seal Beach regarding Elementary School Program assembly. <ul style="list-style-type: none"> Provided education program summary and program contractor logos to Moulton Niguel Water District for website promotion.
Media Relations	<ul style="list-style-type: none"> Participated in a ½ hour radio segment on NBC News Radio KCAA 1050 AM, 102.3 FM & 106.5 FM's "The Water Zone." Prepared and distributed a press release announcing MWDOC member agency winning teams - Oxford Academy and Costa Mesa High School - at Metropolitan's annual Solar Cup. Prepared and distributed a press release announcing the winner of the 2018 Wyland National Mayor's Challenge OC breakaway contest winner, the City of Westminster. Met weekly with MWDOC social media consultants.
Special Projects	<ul style="list-style-type: none"> Met multiple times with Wyland Foundation, Saddleback Community College, City of Laguna Beach, Montage Resort, LBCWD, SCWD, & South Laguna Civic Assoc. regarding updated pocket park designs & next steps for Laguna Design Review Board. Made general updates to the MWDOC website. Participated in a records management audit process. Participated in a WEROC unknown contamination training exercise. Participated in an Adobe Spark webinar. Secured speaker Paul Parreira, Parreira Almond Processing Co., for August WACO meeting. Provided MWDOC.com analytics to the Water Use Efficiency department for use in grant reporting Selected new promotional items and created designs featuring slogan: Water. Can't Live Without It, and new MWDOC logo for each item.

Special Projects (continued)	<p>Heather and Melissa attended the ACWA Spring Conference in Sacramento where they focused on policy issues that included:</p> <ul style="list-style-type: none"> • Federal Affairs • Opening Breakfast with MET Chairman Randy Record • CA Water Plan Update (Director McKenney moderated) • Region 10s's Program – Pathways to Water Workforce (Director Yoo Schneider was a panelist) • Bay-Delta Quality Control Plan • Luncheon with guest speaker Governor Jerry Brown • Oroville Dam – Can Trust be Re-built? <p>Heather and Christina reviewed the WACO & ISDOC portions of MWDOC's website for updating with Public Affairs staff who added the new content.</p> <p>Heather and Melissa met with Joey Soto of Soto Resources to discuss the Grants Acquisition Kick-Off Meeting (agenda and topics) with MWDOC's member agencies.</p> <p>Heather, Rob and Karl reviewed and ranked the proposals received for MWDOC's RFP to provide Legal and Regulatory consulting services.</p> <p>Heather and Melissa coordinated with Soto Resources to host a kick-off meeting for MWDOC's member agencies to introduce them to the grants tracking and acquisition program.</p> <p>Heather participated in the ISDOC Ad-Hoc Committee meeting on LAFCO dues restructuring.</p> <p>Heather and Christina staffed the ISDOC Executive Committee meeting. Director Finnegan also attended.</p>
Legislative Affairs	<p>Heather and Melissa attended the Legislative Joint Oversight Hearing on the CA WaterFix. Heather provided testimony on MWDOC's behalf.</p> <p>Heather participated in the Southern California Water Coalition Legislative Task Force meeting.</p> <p>Heather and Christina coordinated certificates from legislative offices for the Water Awareness Poster Contest.</p> <p>Heather attended the CSDA Legislative Days in Sacramento.</p> <p>Heather met with Senator Janet Nguyen's chief of staff to discuss the water tax and MWDOC's position.</p> <p>Heather met with the Senate Republican Caucus Policy Director to discuss MWDOC's position on the water tax.</p>

Legislative Affairs (continued)	<p>Heather met with the Assembly Republican Caucus Budget Director to discuss the water tax and MWDOC's position.</p> <p>Heather and Melissa participated in MWD's Member Agency Legislative Coordinators conference calls.</p> <p>Heather participated in a meeting along with staff from IRWD, Mesa Water, SMWD, OCWD and MNWD to coordinate outreach to legislative offices on the water tax.</p> <p>Heather attended the ACWA State Legislative Committee meeting in Sacramento.</p> <p>Heather met with Lana Haddad of Long Beach Water Department to discuss legislative issues.</p>
Water Summit	<ul style="list-style-type: none"> • Coordinated the full-day attendance of hosts from NBC News Radio KCAA 1050 AM, 102.3 FM & 106.5 FM's "The Water Zone," who interviewed several Summit speakers, and presenting sponsors staff and Directors. • Secured additional sponsorships. • Secured additional speakers. • Prepared and sent several event invitations and a confirmation to registered guests. • Confirmed and booked accommodations for speakers. • Coordinated and confirmed all AV equipment and requirements. • Prepared and finalized the script for the emcee. • Attended walk-through at Disney Grand Californian venue to finalize event details. • Coordinated and hosted the 2018 OC Water Summit. • Hosted O.C. Water Summit June 1, with 378 registered guests and 324 attendees.



MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AGENCIES MANAGERS MEETING

Street Address:
18700 Ward Street
Fountain Valley, California 92708

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

(714) 963-3058
Fax: (714) 964-9389
www.mwdoc.com

Brett R. Barbre
President

Joan C. Finnegan
Vice President

Larry D. Dick
Director

Wayne S. Osborne
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, June 21, 2018 from 10:30 am to noon.

DRAFT AGENDA

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

Page #

2. Discussion Items:

2-1. Update on CA WaterFix

2-2. OC Water Reliability Study Update

2-3. Metropolitan's Future Supply Actions Program

Guest Presenter: Warren Teitz 3

2-4. MWDOC's Grants Assistance Program10

3. Information Items:

3-1. waterTALENT named ACWA Preferred Provider for temp. operator services..... 12

4. Report Items:

4-1. March GM Report 14

4-2. Legislative Reports 31

4-3. WEROC Matrix (*new item*) 65

5. Reminders

5-1. Water Policy Dinner.....August 2018

6. Next meeting scheduled for July 19, 2018 at 10:30 am

Lunch will be provided immediately following the meeting.

LOCAL AGENCY FORMATION COMMISSION ORANGE COUNTY

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

REGULAR MEETING AGENDA

**Wednesday, June 13, 2018
8:15 a.m.**

**Orange County Transportation Authority
Conference Room 09
550 South Main Street, Orange, CA 92868**

Any member of the public may request to speak on any agenda item at the time that item is being considered by the Commission.

- 1. CALL THE MEETING TO ORDER**
- 2. PLEDGE OF ALLEGIANCE – COMMISSIONER CHERYL BROTHERS**
- 3. ROLL CALL**
- 4. ANNOUNCEMENT OF SUPPLEMENTAL COMMUNICATIONS
(Received After Agenda Distribution)**
- 5. APPROVAL OF MINUTES**
 - a.) April 11, 2018 – Regular Meeting and Annual Strategic Planning Session**
- 6. PUBLIC COMMENT**

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

7. CONSENT CALENDAR

a.) Interim Legislative Report (June)

The Commission will receive an interim report on legislation of LAFCO interest expected for the current legislative session and consider adopting positions on proposed legislation.

8. PUBLIC HEARING

a.) Proposed Fiscal Year 2018-19 OC LAFCO Budget and Fee Schedule and Classification and Compensation Resolutions

The Commission will consider the adoption of the Proposed FY 2018-19 OC LAFCO Budget, the form of resolution for the updated fee schedule, and the form of resolution for the classification and compensation plan.

9. COMMISSION DISCUSSION AND ACTION

a.) Interview and Selection Process for OC LAFCO Regular Public Member

The Commission will conduct oral interviews with candidates and consider appointment of the Regular Public Member.

b.) Legal Counsel Services Selection Process

The Commission will discuss the recommendations of the Ad-Hoc Committee and provide direction on the next step for the process.

c.) Proposed 2018-19 OC LAFCO Work Plan

The Commission will consider adoption of the proposed OC LAFCO work plan for FY 2018-19.

d.) Proposed Revisions to OC LAFCO Policies and Procedures

The Commission will consider the proposed revisions, amendments and updates to the following agency guidelines and policy:

- i. Guidelines for Evaluating a Plan for Services
- ii. Guidelines for Preparing Municipal Service Reviews
- iii. Guidelines for Establishing and Updating Spheres of Influence
- iv. Policy for Assisting in the Preservation of Community Identity

e.) Amendment to Agreement with Best Best & Krieger LLP for a Six-Month Extension for Legal Services

The Commission will consider approval of the first amendment to the agreement for the provision of legal services for a term extension of six-months.

10. PRESENTATION

a.) Recognition of Dedicated Service for *Commissioner John Withers*

11. COMMISSIONER COMMENTS

This is an opportunity for Commissioners to comment on issues not listed on the agenda, provided that the subject matter is within the jurisdiction of the Commission. No discussion or action may occur or be taken, except to place the item on a future agenda if approved by Commission majority.

12. EXECUTIVE OFFICER'S REPORT

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

13. INFORMATIONAL ITEMS & ANNOUNCEMENTS

a.) OC LAFCO Special District and City Member Appointments

The Commission will receive an update on the Special District and City Member Appointments.

b.) CALAFCO Board Update

The Commission will receive an update on the CALAFCO May 11, 2018 Board of Directors meeting.

c.) CALAFCO Annual Conference

The CALAFCO Annual Conference will take place in Yosemite Fish Camp, CA, October 3-5, 2018. Deadline for early-bird registration is August 10, 2018.

14. CLOSED SESSION

a.) Public Employee Performance Evaluation

Pursuant to Government Code Section 54957

Title: Executive Officer

b.) Conference with Labor Negotiators

Pursuant to Government Code Section 54957.6

Agency designated representatives: Chair Derek J. McGregor and William Kelly of Kelly Associates Management Group

Unrepresented employee: Executive Officer

15. ADJOURNMENT OF REGULAR COMMISSION MEETING

NOTICE REGARDING ITEMS DISTRIBUTED TO THE COMMISSION LESS THAN 72 HOURS PRIOR TO THE LAFCO REGULAR MEETING:

Pursuant to Government Code Section 54957.5 public records that relate to open session agenda items that are distributed to a majority of the Commission less than seventy-two (72) hours prior to the meeting will be available to the public at Orange County LAFCO offices at 2677 North Main Street, Suite 1050, Santa Ana, CA 92705 during regular business hours. These records when possible will also be made available on the OC LAFCO website at <http://www.oclafco.org>.

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

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

AGENDA
SOUTH ORANGE COUNTY WATERSHED MANAGEMENT
AREA
MANAGEMENT COMMITTEE

AGENDA
June 4, 2018
1:30 – 3:30 p.m.

City of Laguna Hills, Council Chambers
24035 El Toro Road
Laguna Hills, CA 92653

[Map](#)



Shaun Pelletier

City of Aliso Viejo

Lisa Zawaski

City of Dana Point

Mary Vondrak

City of Laguna Beach

Ken Rosenfield

City of Laguna Hills

Hal Ghafari

City of Laguna Niguel

Moy Yahya

City of Laguna Woods

Devin Slaven

City of Lake Forest

Joe Ames

City of Mission Viejo

E. Max Maximous

City of Rancho Santa Margarita

David Rebensdorf

City of San Clemente

Hossein Ajideh

City of San Juan Capistrano

Grant Sharp

County of Orange

Dennis Cafferty

El Toro Water District

Mark Tettemer

Irvine Ranch Water District

Rodney Woods

Moulton Niguel Water District

Charles Busslinger

Municipal Water District of OC

Dan Feron

Santa Margarita Water District

Rick Shintaku

South Coast Water District

Betty Burnett

South OC Wastewater Authority

Michael Perea

Trabuco Canyon Water District

David Youngblood

Laguna Beach County Water District

1. **Welcome & Introductions**
Group
2. **Ad Hoc Project List QA/QC Recommendations**
Jenna Voss, County of Orange & Ad Hoc Members
3. **IRWM Project Development Framework**
Chad Praul, Environmental Initiatives, Aaron Poresky, Geosyntec & Jenna Voss
4. **Overview of IRWM Plan Local Approval Process**
Jenna Voss
5. **Introduction to the Asset Management Tool for the Water Quality Improvement Plan**
Aaron Poresky & Grant Sharp, County of Orange
6. **August Executive Committee Meeting Agenda**
Group Discussion
7. **Updates on Current Activities & Projects (As Needed)**
Group Discussion
8. **Next Executive Committee Meeting: August 2, 2018**
Next Management Committee Meeting: July 2, 2018
9. **Closing and Adjourn**



Executive Committee Meeting

Tuesday, June 5, 2018

7:30 a.m.

Municipal Water District of Orange County Conference Room 101

AGENDA

Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

(714) 963-3058
(714) 964-5930 fax

www.mwdoc.com/isdoc

Executive Committee

President
Hon. Jim Fisler
Mesa Water District

1st Vice President
Hon. Sandra Jacobs
Santa Margarita Water District

2nd Vice President
Hon. Mark Monin
El Toro Water District

3rd Vice President
Hon. Mary Aileen Matheis
Irvine Ranch Water District

Secretary
Hon. Doug Davert
East Orange County Water District

Treasurer
Hon. Joan C. Finnegan
Municipal Water District of Orange County

Past President
Hon. Mike Scheafer
Costa Mesa Sanitary District

Staff and Administration

Heather Baez
Municipal Water District of Orange County

Sylvia Prado
East Orange County Water District

I. Welcome

II. Approval of Minutes

- Consider approval of the minutes for the May 1, 2018 meeting

III. Public Comments

IV. Old Business

- LAFCO Dues Study Committee
 - Discussion and possible action on revised LAFCO Dues Payment Methodology

V. New Business

- LAFCO Special District Commissioner Elections – Regular and Alternate Seats
 - Information

VI. Treasurer's Report – Joan Finnegan

- Receive, discuss and file June 5, 2018 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 upcoming June 28th and October 25th quarterly membership meeting
- **Membership (Mark Monin)**
- **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, July 3, 2018

Next ISDOC Quarterly Meeting: June 28, 2018



ISDOC Executive Committee
May 1, 2018

Minutes

I. Welcome

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

Committee Members Present:

Jim Fisler, President (Mesa WD/LAFCO)

Mark Monin, 2nd Vice-President (ETWD)

Mary Aileen Matheis, 3rd Vice President (IRWD)

Doug Davert, Secretary (EOCWD)

Joan Finnegan, Treasurer (MWDOC)

Committee Members Absent: Sandra Jacobs, 1st Vice-President (SMWD), Mike Scheafer, Past President (CMSD)

Others Present:

Arlene Schafer (CMSDCSDA)

Bill Nelson (OCCD/CSDA)

Stacy Taylor (Mesa Water)

Alicia Duncan (OCWD)

Heather Baez (MWDOC)

Christina Hernandez (MWDOC)

Cheryl Brothers (OCLAFCO)

Carolyn Emery (OCLAFCO)

II. Minutes

- The minutes from the April 3, 2018, meeting of the Executive Committee were reviewed. Upon a motion by Treasurer Finnegan and second by 2nd Vice President Monin, the minutes were unanimously approved.

III. Public Comments:

- None

IV. Old Business:

1. LAFCO Dues - President Fisler reported that information from other LAFCO's has been obtained, however the next conference call to discuss this has not been scheduled. It was noted that the Auditor/Controller needs at least one-month's lead time to prepare the July billing and therefore changes to the billing schedule will not occur in time for inclusion on the FY 18/19 billing.

V. New Business:

1. Attendance at CSDA Legislative Days – The Committee approved 2nd Vice President Monin's attendance at CSDA Legislative Days at ISDOC expense. Upon motion by Secretary Davert and seconded by 3rd Vice President Matheis; the motion carried unanimously.
2. LAFCO Elections – Ballots for the Regular and Alternate Special District LAFCO seats are due on May 25; results will be published on 5/31. Treasurer Finnegan suggested that ISDOC prepare a certificate or plaque of appreciation for out-going Commissioner Withers.

VI. Treasurer's Report – Joan Finnegan

- After payment of the quarterly meeting lunch expenses and receipt of annual dues, the bank balance as of 5/1/18 is \$11,124.02.

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

1. CSDA Board – Nominations for the CSDA Board have closed and ballots will be distributed soon. Electronic voting will be used; ballots are due by August 10.
2. AB2065 (Ting) – This bill will make disposal or lease of surplus land more difficult for local agencies; the bill is expected to be amended; CSDA will be monitoring.
3. Special Districts Leadership Conference – Three directors attended this conference; it was noted that it is an excellent conference for new and current officials.
4. General Manager Leadership Conference – This conference will be held in Lake Tahoe from June 24-26.
5. Legislative Days – This conference will be held in Sacramento from May 21-23; there will be two trips to the Capitol included.

VIII. Local Agency Formation Commission (LAFCO) Report – President Fisler; OCLAFCO Commissioner Cheryl Brothers; OC LAFCO Executive Director Carolyn Emery

OCLAFCO Alternate Commissioner (and ISDOC President) Fisler, OC LAFCO Commissioner Cheryl Brothers and LAFCO Executive Officer Emery reported:

1. The May LAFCO Meeting has been cancelled due to lack of a quorum.
2. The June 13th Meeting will include consideration of the proposed FY 18/19 Budget (2% overall increase; 3.7% for Special Districts) and a Project Application Fee Schedule. Final Budget approval will occur in July.
3. The June Meeting will also include proposed changes to the Guidelines & Policies
4. An ad-hoc committee has reviewed LAFCO legal services and will be presenting the Commission with options, also at the June Meeting.

IX. Association of California Water Agencies (ACWA) –

- No report was provided, however 3rd Vice President Matheis noted that the ACWA Spring Conference in Sacramento would be held May 8-May 11 and that recruitment for the new General Manager is underway.

X. OCCOG Report

- No report was provided, however it was noted that Immediate Past President Schaefer and Treasurer Finnegan are filling in for OCCOG Representative Anthony.

XI. Subcommittee Reports

1. Program – Jim Fisler
President Fisler reported that author Chris Epting will be the speaker for the June 28th Meeting. Speaker suggestions for the October 25th Meeting were solicited.
2. Membership – Mark Monin:
2nd Vice-President Monin reported that he is working to update the list of Associate Members and following up with dues collection.
3. Legislative – Mary Aileen Matheis:
Third Vice-President Matheis reported that she participated in a MET conference call regarding the proposed water use efficiency legislation; main items being debated are drought resilient water supply and credit for water recycling. The Water Tax is still a hot topic as well as a parcel tax being proposed in Los Angeles to tax parcels based on impermeable surface areas; this would be used as a funding mechanism to fund stormwater collection infrastructure. A push to “sunset” the Delta Stewardship Council (AB1876) has failed in the State Assembly Committee on Water, Parks and Wildlife.

XII. President and Committee Member Announcements and Comments:

- None.

XIII. The meeting was adjourned at 8:29 a.m.; the next Executive Committee Meeting will be held on Tuesday, June 5, 2018 at 7:30 a.m.



AGENDA

Friday, June 8, 2018
7:30 a.m. - 9:00 a.m.
Doors open at 7:00 a.m.

OCWD/MWDOC JOINT BOARD ROOM
18700 Ward Street, Fountain Valley

Mailing Address

P.O. Box 8300
Fountain Valley, CA 92708

Meeting Location

18700 Ward Street
Fountain Valley, CA 92708

(714) 378-3200
(714) 963-0291 fax

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

Officers

Chair

Hon. Jose Vergara
El Toro Water District

Vice Chair

Hon. Jim Atkinson
Mesa Water District

Staff Contacts

Alicia Dunkin
Orange County Water District

Heather Baez
Municipal Water District of Orange County

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Pledge of Allegiance

Announcements & Introductions

- Jim Atkinson, Mesa 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

Program: What's Happening in DC? A Federal Report and Update

- Eric Saperstein, ENS Resources

Adjourn

Next WACO Meeting

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

Next WACO Planning Committee Meeting

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

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



WACO Planning Committee
Tuesday, June 19, 2018
7:30 A.M.

AGENDA

Feedback of June 8 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

Chair

Hon. Jose Vergara
El Toro Water District

Vice Chair

Hon. Jim Atkinson
Mesa Water District

Staff Contacts:

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Orange County Water District

Heather Baez

Municipal Water District of Orange County

- 1) Program: Federal Legislative Update
 - Eric Sapirstein, ENS Resources

Items to report

- 1) July 6 – Groundwater Contamination and Cleanup

Meeting topic swapped w/Sept.

- Speaker: Bill Hunt, Director of Special Projects, OCWD (confirmed)
- Report: 2018 Water Bond – Jerry Meral (confirmed)

- 2) July speaker dinner

- Dinner with Jerry Meral, author of 2018 Water Bond
- Reservation on Thursday, July 5 at 6:30 p.m. at Seasons 52

- 3) August 3 – Working with Agriculture: A Farmer's Perspective

- Speaker: Paul Parreira Sr., Ryan Parreira Almond Co. (confirmed)

- 4) September 7: New Potential Water Supplies

Meeting topic swapped w/July

- Speaker: Karl Seckel, Assistant General Manager, MWDOC (confirmed)
- Speaker: John Kennedy, Exec. Director of Engineering & Water Resources, OCWD (confirmed)
- Karl to speak on south county reliability study and John to speak on GWRS final expansion and west county well field

- 5) Filming meetings

- Meetings will no longer be filmed
- Audio recordings will be available online

Discussion Items

- 1) Meeting schedule

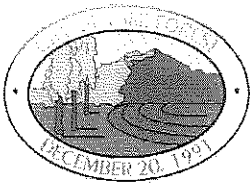
- Next three meeting topics and speakers are confirmed. Cancel July meeting and meet in August?

- 2) Topic and speaker ideas for future WACO meetings

Adjourn



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AGENDA
Quarterly Utility Coordination Meeting
Wednesday, May 30, 2018 – 10:00 A. M. - 11:00 A. M.
City of Lake Forest City Hall
El Toro Conference Room (1st Floor)

1. Introductions
2. City Projects (Taylor Abernathy)
 - a. Ridge Route Landscaping Phase 3
 - Current Status – Pending Award
 - b. ADA Access Ramps Phase 11
 - Scope of Work - Modification of ramps for ADA compliance
 - Current Status – Pending Award
 - c. Portola Park
 - Current Status – Finalizing Design, Anticipate bidding in August 2018
 - d. I-5 Interchange Signs
 - Current Status – Receiving Proposals from Consultants, Anticipate Construction end of 2018
 - e. Raised Median Improvements and Repairs
 - Current Status – Receiving Proposals from Consultants, Anticipate Construction end of 2018
 - f. Bake Parkway Trabuco/ Irvine (Ultimate)
 - Current Status – Receiving Proposals from Consultants, Anticipate Design and R/W by end of FY18/19; Construction TBD
 - g. El Toro Road and Portola/ Santa Margarita
 - Current Status – Receiving Proposals from Consultants, Anticipate Design and R/W by end of FY18/19; Construction TBD
 - h. 7 Year Street Overlay / Slurry Program - (Taylor Abernathy)
 - Next Slurry Seal Zones:
 - Zone B (FY18-19)
 - Zone G (FY19-20)
 - Zone F (FY20-21)
 - i. 7 Year Street Overlay / Slurry Program - (Taylor Abernathy)
 - Resurfacing Project Locations:
 - i. Slurry Seal Zone B – Anticipate Construction (Summer 2018)
 - Upcoming Resurfacing Project Locations:
 - i. Portola Parkway (within Caltrans R/W @ SR-241) (Spring 2019)
 - ii. Dimension Drive (Bake to Lake Forest) (Spring 2019) – Finalizing Design
 - j. Civic Center Planning (Doug Erdman)
 - Rough Grading complete
 - Parking Deck – Under Construction – Punch list

- Civic Center Drive Improvements – In construction

3. Development Activity in Lake Forest (Doug Erdman)

- a. Portola Center (930 total homes)
 - Northwest – (81 Lots) – Grading, Streets, Model Homes
 - South – (626 Lots) - Grading
 - Northeast – (223 Lots) - Grading
 - Street Improvements – Sidewalks, Curb/Gutter, GRR Medians
- b. Shea Baker (2,392 homes total) – (Ph1 – Complete, Ph2 – Six tracts under Const., Ph3 – Six tracts under Const.)
- c. Parkside – Under Construction of three tracts (Arlington – 64 homes, Madison – 53 homes, and Lexington – 70 homes)
- d. Encanto (Commercentre and Alton) – Under construction of 52 homes
- e. Future Development
 - Serrano Summit – Phase 1 Rough Grading under construction
 - Peachwood

4. Blanket/Annual Permits (Doug Erdman) The City still requires notification if you are doing work, even if it is under the blank or annual permits.

- a. Notification Forms
- b. 24 hour minimum notice required
- c. Job tracking not provided

5. Traffic Control Requirements related to Encroachment Permits (Dave Rogers)

- a. Use of WATCH Manual or Joint Utilities Manual requires submitting location map and plan number(s) to be used

6. Sidewalk Inspection / Utility Lids (Sal Quinones)

- a. Damaged utility lids identified in sidewalk hazard inspection.
Public Works Inspector to coordinate with utilities on replacements

7. Pavement Moratorium (Taylor Abernathy)

- a. City's Pavement Moratorium is included in all Encroachment Permits
- b. A list of streets that are under moratorium are:
 - Slurry Seals

- i. Zones A (8/2016),
- ii. Zone D (11/2017), and
- iii. Zone E (4/5/2018)
- Arterial Streets
 - i. Alton Parkway (Portola to Rancho South) (8/2017)
 - ii. Portola Parkway (Alton to El Toro Road) (7/2017)
 - iii. Bake Parkway (Portola to Lake Forest) (12/2014)
 - iv. Los Alisos (I-5 to easterly City Limit) (FY 2014)
 - v. El Toro Road (Bridger to I-5) (FY 2014)
 - vi. Rockfield (El Toro to Lake Forest) (11/2013)
 - vii. Lake Forest Drive (Dimension to Rancho) (11/2013)

8. Status reports on projects from utility companies; new projects/project updates

a. **AT&T –**

b. **COX Communications –**

c. **El Toro Water District –**

d. **Irvine Ranch Water District –**

- 1. Flowmeter installation (next phase)

e. **Southern California Gas Company –**

f. **Southern Calif. Edison Company –**

g. **Trabuco Canyon Water District –**

6. Next Meeting (08/29/18) at 10:00 a.m.

DATES TO REMEMBER

JUNE/JULY 2018

1. Jun 28 – 11:30 a.m. ISDOC Quarterly Luncheon
2. Jun 29 – 8:00 a.m. – TV-6 (Monin)
3. Jun 29 – 11:30 a.m. – Chair/GM Meeting
4. Jul 2 – 8:30 a.m. – MWDOC Planning/Operations Meeting
5. Jul 3 – 7:30 a.m. – ISDOC Executive Committee Meeting
6. Jul 3 – 8:30 a.m. – MWDOC/MET Directors Workshop
7. Jul 4 – INDEPENDENCE DAY – DISTRICT OFFICE CLOSED
8. Jul 6 – 7:30 a.m. – WACO
9. Jul 6 – DISTRICT OFFICE CLOSED
10. Jul 10 – 7:30 a.m. – RRC Meeting
11. Jul 11 – 8:00 a.m. – OC LAFCO (8:15 am)
12. Jul 11 – 8:30 a.m. – MWDOC Admin/Finance Meeting
13. Jul 12 – 8:30 a.m. – SOCWA Board Meeting
14. Jul 13 – 11:30 a.m. – Chair/GM Meeting
15. Jul 13 – Board Candidate Resumes Due
16. Jul 16 – 7:30 a.m. – Agenda Review Meeting
17. Jul 16 – Board Review of Candidate Resumes & Schedule Interviews
18. Jul 16 – 8:30 a.m. – MWDOC Public Affairs Meeting
19. Jul 17 – 18 – 7:30 a.m. – Special Board Meeting to Interview Board Candidates
20. Jul 18 – 8:30 a.m. – MWDOC Board Meeting
21. Jul 20 – DISTRICT OFFICE CLOSED
22. Jul 20 – 12:00 noon – SCWC Luncheon (Morongo)
23. Jul 23 – 27 – President Goldman - Vacation
24. Jul 24 – 7:30 a.m. – Regular Engineering & Finance Committee Meetings
25. Jul 24 – 12:00 noon – South County Agencies Meeting (TCWD)

- 26. Jul 26 – 7:30 a.m. – Regular Board Meeting
- 27. Jul 27 – 8:00 a.m. – TV-6 (Adjarian)
- 28. Jul 27 – 11:30 a.m. – Chair/GM Meeting
- 29. Jul 31 – 7:30 a.m. – RRC Meeting

Carry-Over Pending Matters

1. Cyber Security
2. System Vulnerability
3. Equipment Maintenance
4. Strategic Plan Goals with specific timelines for completion:

Goal 6.1 Update District policies for contracting and purchasing. The goal is to document defensible, transparent, justifiable contracting and purchasing practices that are practical to implement.

5. Phase III Recycled Water Update
6. Emergency 60-day Water Supply Reliability Plan

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.