

WORKSHOP MEETING OF THE  
BOARD OF DIRECTORS WITH MET DIRECTORS  
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY  
18700 Ward Street, Board Room, Fountain Valley, California  
January 3, 2018, 8:30 a.m.

**AGENDA**

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**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. 2062)**

**ACTION ITEMS**

**1. STANDING COMMITTEE AND AD HOC COMMITTEE APPOINTMENTS FOR 2018; SCHEDULE OF COMMITTEE MEETING DATES FOR 2018**

*Recommendation: (1) Ratify the list of Standing Committee and Ad Hoc Committee Appointments as presented by the President of the Board; and (2) ratify Committee meeting dates/times for 2018.*

**2. ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2018 RES. NO. \_\_\_\_**

*Recommendation: (1) Ratify the appointment of Representatives and Alternates to Associations as presented by the President of the Board; and (2) Adopt Resolution approving the appointment of one Representative and two Alternates to the Santiago Aqueduct Commission (SAC), for submission to SAC.*

## **PRESENTATION/DISCUSSION/INFORMATION ITEMS**

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

*Recommendation: Receive input and discuss the information.*

### **4. METROPOLITAN'S PROPOSED BIENNIAL BUDGET SCHEDULE FOR FISCAL YEARS 2018/19 AND 2019/20**

*Recommendation: Review and discuss the information presented.*

### **5. WATER SUPPLY CONDITIONS UPDATE**

*Recommendation: Review and discuss the information presented.*

### **6. 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.*

### **7. METROPOLITAN (MET) BOARD AND COMMITTEE AGENDA DISCUSSION ITEMS**

- a. Summary regarding December 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.



**ACTION ITEM**  
January 3, 2018

**TO:** Board of Directors

**FROM:** Brett R. Barbre, President

**SUBJECT:** **STANDING COMMITTEE AND AD HOC COMMITTEE APPOINTMENTS FOR 2018; SCHEDULE OF COMMITTEE MEETING DATES FOR 2018**

**PRESIDENT'S RECOMMENDATION**

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It is recommended that the Board of Directors: (1) ratify the list of Standing Committee and Ad Hoc Committee Appointments as presented by the President of the Board; and (2) ratify Committee meeting dates/times for 2018.

**COMMITTEE RECOMMENDATION**

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This item was not presented to a Committee.

**SUMMARY**

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In accordance with the MWDOC Administrative Code, the Board of Directors shall consider the appointment of members of its Standing Committees by the end of February of each year. It also provides the Board shall review and establish Special Committees as appropriate. Members shall be appointed to Standing and Special Committees by the President of the Board and ratified by the Board of Directors. The current Standing Committees of the Board of Directors are:

- Administration & Finance Committee
- Planning & Operations Committee
- Public Affairs & Legislation Committee
- Executive Committee
- MWDOC/OCWD Joint Planning Committee

Attached is President Barbre's slate of nominations to MWDOC Standing and Ad Hoc Committees, along with proposed meeting dates for the upcoming year. It should be noted that ad hoc committee was added to the slate – Member Agency Relations (basin agencies).



**2018**  
**STANDING COMMITTEE APPOINTMENTS**  
Municipal Water District of Orange County

<b>STANDING COMMITTEE</b>	<b>MEMBERS</b>	<b>COMMITTEE DATE</b> (Attached is List of Exact Dates for 2016)
<b>Executive Committee</b> (President, Vice President and Immediate Past President)	B. Barbre, Chair J. Finnegan W. Osborne	Thursday following Regular Board meeting 8:30 a.m.
<b>Administration &amp; Finance Committee</b>	J. Thomas, Chair L. Dick J. Finnegan	2 <sup>nd</sup> Wednesday 8:30 a.m.
<b>Planning &amp; Operations Committee</b>	W. Osborne, Chair M. Yoo Schneider S. Tamaribuchi	1 <sup>st</sup> Monday 8:30 a.m.
<b>Public Affairs &amp; Legislation Committee</b>	L. Dick, Chair J. Thomas S. Tamaribuchi	3 <sup>rd</sup> Monday 8:30 a.m.
<b>MWDOC/OCWD Joint Planning Committee</b>	B. Barbre, Chair L. Dick W. Osborne	4 <sup>th</sup> Wednesday 8:30 a.m. (quarterly)
<b>AD HOC COMMITTEES</b>	<b>Members</b>	<b>Staff Lead</b>
<b>Ad Hoc Committee on Water Policy Forum</b>	B. Barbre L. Dick M. Yoo Schneider	D. Micalizzi
<b>Ad Hoc Committee on Non-Basin Member Agency Relations</b>	J. Thomas M. Yoo Schneider S. Tamaribuchi	R. Hunter
<b>Ad Hoc Committee on Basin Member Agency Relations</b>	B. Barbre L. Dick W. Osborne	R. Hunter
<b>Ad Hoc Committee Re Water Summit</b>	J. Thomas M. Yoo Schneider B. Barbre	D. Micalizzi
<b>Ad Hoc Committee on MWDOC/OCWD Building Issues</b>	J. Finnegan S. Tamaribuchi	C. Harris
<b>Ad Hoc Committee on Desalination</b>	B. Barbre L. Dick W. Osborne	R. Hunter K. Seckel

## STANDING COMMITTEE DATES FOR 2018 (Through January 2019)

### Planning & Operations Committee

*This Committee generally meets the first Monday of each month at 8:30 a.m. An \* indicates those months requiring a change in the meeting date and/or time (due to holiday or conflict)*

Monday	February 5, 2018	8:30 a.m.
Monday	March 5, 2018	8:30 a.m.
Monday	April 2, 2018	8:30 a.m.
Monday	May 7, 2018	8:30 a.m.
Monday	June 4, 2018	8:30 a.m.
Monday	July 2, 2018	8:30 a.m.
Monday	August 6, 2018	8:30 a.m.
*Tuesday	September 4, 2018	8:30 a.m. (Meets on Tuesday due to holiday)
Monday	October 1, 2018	8:30 a.m.
*Tuesday	November 13, 2018	8:30 a.m. (Change due to MET mtgs and holiday)
Monday	December 3, 2018	8:30 a.m.
Monday	January 7, 2019	8:30 a.m.

### Administration & Finance Committee

*This Committee generally meets the second Wednesday of each month at 8:30 a.m. An \* indicates those months requiring a change in the meeting date (due to holiday or conflict)*

Wednesday	January 10, 2018	8:30 a.m.
Wednesday	February 14, 2018	8:30 a.m.
Wednesday	March 14, 2018	8:30 a.m.
Wednesday	April 11, 2018	8:30 a.m.
Wednesday	May 9, 2018	8:30 a.m.
Wednesday	June 13, 2018	8:30 a.m.
Wednesday	July 11, 2018	8:30 a.m.
Wednesday	August 8, 2018	8:30 a.m.
Wednesday	September 12, 2018	8:30 a.m.
Wednesday	October 10, 2018	8:30 a.m.
Wednesday	November 14, 2018	8:30 a.m.
Wednesday	December 12, 2018	8:30 a.m.
Wednesday	January 9, 2019	8:30 a.m.

### Public Affairs & Legislation Committee

*This Committee generally meets the third Monday of each month at 8:30 a.m. An \* indicates those months requiring a change in the meeting date (due to holiday or conflict)*

Monday	January 15, 2018	8:30 a.m.
*Tuesday	February 20, 2018	8:30 a.m. (Tuesday due to holiday)
Monday	March 19, 2018	8:30 a.m.
Monday	April 16, 2018	8:30 a.m.
Monday	May 21, 2018	8:30 a.m.

Monday	June 18, 2018	8:30 a.m.
Monday	July 16, 2018	8:30 a.m.
*Monday	August 13, 2018	8:30 a.m. (Second Monday due to conflict with MET)
Monday	September 17, 2018	8:30 a.m.
Monday	October 15, 2018	8:30 a.m.
Monday	November 19, 2018	8:30 a.m.
Monday	December 17, 2018	8:30 a.m.
Monday	January 21, 2019	8:30 a.m.

#### **Executive Committee**

*This Committee generally meets the Thursday following the Regular Board Meeting at 8:30 a.m.; the Regular Board meeting is held the third Wednesday of each month at 8:30 a.m. An \* indicates those months requiring a change in the meeting date (due to holiday or conflict)*

Thursday	January 18, 2018	8:30 a.m.
Thursday	February 22, 2018	8:30 a.m.
Thursday	March 22, 2018	8:30 a.m.
Thursday	April 19, 2018	8:30 a.m.
Thursday	May 17, 2018	8:30 a.m.
Thursday	June 21, 2018	8:30 a.m.
Thursday	July 19, 2018	8:30 a.m.
Thursday	August 16, 2018	8:30 a.m.
Thursday	September 20, 2018	8:30 a.m.
Thursday	October 18, 2018	8:30 a.m.
*Tuesday	November 20, 2018	8:30 a.m. (Tuesday due to holiday)
Thursday	December 20, 2018	8:30 a.m.
Thursday	January 17, 2019	8:30 a.m.

#### **MWDOC/OCWD Joint Planning Committee Meetings**

*This Committee generally meets the fourth Wednesday of each month at 8:30 a.m. An \* indicates those months requiring a change in the meeting date (due to holiday or conflict)*

Wednesday	January 24, 2018	8:30 a.m.
Wednesday	April 25, 2018	8:30 a.m.
Wednesday	July 25, 2018	8:30 a.m.
Wednesday	October 24, 2018	8:30 a.m.

#### **MWDOC Elected Officials Forums**

*These meetings are held twice a year (April/November); historically on the first Thursday of the month*

Wednesday	April 5, 2018	6:00 p.m.
Thursday	November 1, 2018	6:00 p.m.



**ACTION ITEM**  
January 3, 2018

**TO:** Board of Directors  
**FROM:** Brett R. Barbre, President  
**SUBJECT:** ASSOCIATION AND COMMISSION APPOINTMENTS FOR 2018

**PRESIDENT'S RECOMMENDATION**

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It is recommended that the Board of Directors:

1. Ratify the appointment of Representatives and Alternates to Associations as presented by the President of the Board; and
2. Adopt proposed Resolution approving the appointment of one Representative and two Alternates to the Santiago Aqueduct Commission (SAC), for submission to SAC.

**COMMITTEE RECOMMENDATION**

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This item has not been presented to a Committee.

**DETAILED REPORT**

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In accordance with Board policy, the appointment of MWDOC Board Representatives to outside associations are to be considered by the end of February of each year. The policy provides that appointments shall be ratified by the Board of Directors, as presented by the President of the Board.

Attached are President Barbre's recommendations for Association and Commission appointments for 2018.

<b>2018</b> <b>AGENCY REPRESENTATIVES' APPOINTMENTS</b> <b>Municipal Water District of Orange County</b>		
<b>Association/Commission</b>	<b>Members</b>	<b>Normal Meeting Times</b>
<b>Santiago Aqueduct Commission</b>	Rep.: S. Tamaribuchi  Alt: J. Thomas, K. Seckel	March, June, September, December; 3 <sup>rd</sup> Thurs. at 8:30 a.m.
<b>Water Advisory Committee of Orange County (WACO) Planning Committee</b>  <i>Staff Support: H. Baez</i>	Rep: J. Finnegan L. Dick	3 <sup>rd</sup> Tuesday 7:30 am
<b>Independent Special Districts of OC (ISDOC)</b>  <i>Staff Support: H. Baez</i>	Rep: J. Finnegan L. Dick	1 <sup>st</sup> Tues 7:30 am
<b>NWRA Municipal Caucus</b>  <i>Staff Support: H. Baez</i>	Rep: L. Ackerman  Alt: B. Barbre	
<b>Southern California Water Committee</b>  <i>Staff Support: H. Baez/R. Hunter</i>	Reps: M. Yoo Schneider S. Tamaribuchi L. Dick	
<b>Orange County Business Council</b> <a href="http://www.ocbc.org">www.ocbc.org</a> Legislative  <i>Staff Support: H. Baez</i>  Infrastructure  <i>Staff Support: H. Baez/R. Hunter</i>	Reps: B. Barbre L. Dick   Reps: L. Dick S. Tamaribuchi	1/5/18 9:30 am (the balance of meeting dates for 2018 have not been set)   1/9/18 7:30 am (the balance of meeting dates have not been set)
<b>California Special Districts Association</b>  <i>Staff Support: H. Baez</i>	Rep: J. Finnegan  Alt: L. Dick	

<b>Colorado River Water Users Association</b> <i>Staff Support: H. DeLaTorre</i>	MWDOC Board of Directors	Annually in Dec.
<b>Center for Demographic Research Oversight Committee</b> <i>Staff Support: K. Seckel</i>	Rep: J. Finnegan Alt: B. Barbre	
<b>ACWA Joint Powers Insurance Authority</b> <i>Staff Support: C. Harris</i>	Rep: J. Finnegan Alt: L. Dick	
<b>ACWA Federal Affairs Committee</b> <i>Staff Support: H. Baez</i>	Rep: B. Barbre Alt: L. Ackerman	
<b>ACWA Local Government Committee</b> <i>Staff Support: H. Baez</i>	Reps: L. McKenney Alt: S. Tamaribuchi	
<b>ACWA Region 10</b> <i>Staff Support: H. Baez</i>	All Directors Eligible to Attend	
<b>Orange County Council of Governments</b> <i>Staff Support: H. Baez</i>	Rep: J. Finnegan Alt: M. Yoo Schneider	4 <sup>th</sup> Thurs. at 10:30 am (no meeting in December; November is 3 <sup>rd</sup> Thurs.)
<b>Orange County Operational Area Executive Board</b> <i>Representative Appointed by ISDOC</i> <i>Staff Support: K. Hubbard</i>	Rep: K. Hubbard	Quarterly, 2:45 pm (normally Wed)
<b>CALDesal</b> <i>Staff Support: K. Seckel</i>	Rep: L. Dick W. Osborne M. Yoo Schneider	
<b>South Orange County Economic Coalition</b> <i>Staff Support: H. Baez</i>	Rep: J. Thomas Alt: M. Yoo Schneider	
<b>South Orange County Watershed Management Area Executive Committee</b> <i>Staff Support: K. Seckel, C. Busslinger</i>	Rep: M. Yoo Schneider Alt: J. Thomas	
<b>Association of California Cities; Orange County</b> <i>Staff Support: H. Baez</i>	Rep: L. Dick Alt: B. Barbre	

RESOLUTION NO. \_\_\_\_  
**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY**

**RE: DESIGNATION OF MEMBER AND  
ALTERNATES TO SANTIAGO AQUEDUCT COMMISSION**

**2018**

WHEREAS, the Santiago Aqueduct Commission (SAC) was formed to manage and operate the Santiago Aqueduct system; and

WHEREAS, the SAC consists of six (6) members, one member each of the governing bodies from El Toro Water District, Irvine Ranch Water District, Trabuco Canyon Water District, Santa Margarita Water District, Moulton Niguel Water District and Municipal Water District of Orange County (MWDOC); and

WHEREAS, it is understood that MWDOC represents itself and East Orange County Water District, County of Orange and the Irvine Company; and

WHEREAS, under the provisions of the Santiago Aqueduct Commission Joint Powers Agreement, MWDOC has the right to designate one member to the SAC and a first and second alternate to serve in the absence of the regular member.

NOW, THEREFORE, BE IT RESOLVED that MWDOC hereby designates Sat Tamaribuchi as the member, Jeffery M. Thomas as the first alternate, and Karl Seckel as the second alternate to the Santiago Aqueduct Commission, to assume their positions upon taking the oath of office.

Said Resolution was adopted this \_\_\_\_ day of \_\_\_\_\_, 2018 by the following roll call vote.

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

I HEREBY CERTIFY the foregoing is a full, true and correct copy of Resolution No. \_\_\_\_ adopted by the Board of Directors of Municipal Water District of Orange County at its meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Maribeth Goldsby, Secretary  
Municipal Water District of Orange County



**DISCUSSION ITEM**

January 3, 2018

**TO: Board of Directors**

**FROM: Robert Hunter,  
General Manager**

Staff Contact: Harvey De La Torre  
Melissa Baum-Haley

**SUBJECT: METROPOLITAN'S PROPOSED BIENNIAL BUDGET SCHEDULE FOR  
FISCAL YEARS 2018/19 AND 2019/20**

**STAFF RECOMMENDATION**

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Staff recommends the Board of Directors

**COMMITTEE RECOMMENDATION**

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Committee recommends (To be determined at Committee Meeting)

**DETAILED REPORT**

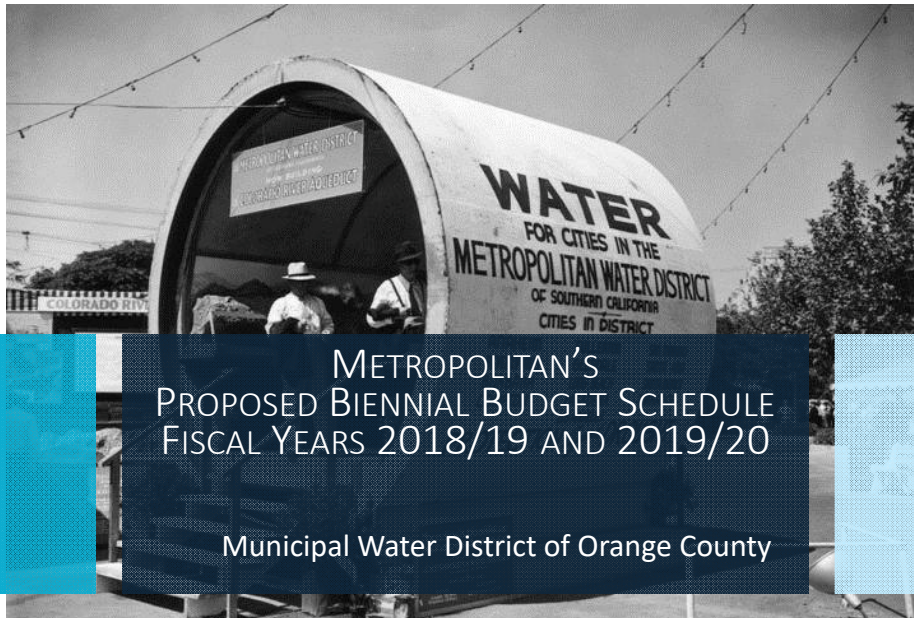
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The Metropolitan Water District of Southern California, has begun their two-year budget process, which covers fiscal years (FY) 2018/19 and 2019/20; and is set to adopt both the FY 2018/19 and 2019/20 budget along with the rates and charges for calendar years 2019 and 2020 in late spring 2018.

Included in the budget, Metropolitan will provide a ten-year forecast, which highlights future anticipated water sales, revenues, and expenses, as well as capital financing.

Beginning in January, MWD OC staff will host a series of presentations on proposed biennial budget; focusing on budget process, key cost drivers and assumptions, along with the Metropolitan Board deliberations.





## METROPOLITAN'S PROPOSED BIENNIAL BUDGET SCHEDULE FISCAL YEARS 2018/19 AND 2019/20

Municipal Water District of Orange County

## MET's Biennial Budget and Rates Objectives



- 💧 Adopt a two-year budget, covering fiscal years 2018/19 and 2019/20
- 💧 Adopt rates and charges for calendar years 2019 and 2020
- 💧 Provide a ten-year forecast, including the biennial period
  - 💧 Water Sales
  - 💧 Revenues
  - 💧 Expenses
  - 💧 Capital Financing



## MET's Financial Policies



- 💧 Maintain AAA/AA+/Aa1 ratings on senior lien Achieve/Maintain coverage ratios

- 💧 Debt service coverage = 2.0

- 💧 Fixed charge coverage = 1.2

- 💧 PAYGO funding

- 💧 60 percent per year

- 💧 Integral to maintaining coverage targets

- 💧 Provides financial flexibility



## Schedule for Proposed Biennial Budget and Rates



### January 2018

- 💧 Mailing of Budget, Revenue Requirements, and Water Rates and Charges board letter

- 💧 Transmit proposed budget to Board

- 💧 Present rates and charges required to meet the proposed budget, including cost of service analysis

- 💧 Transmit proposed cost of service report to Board

- 💧 Mailing of board letter to set Public Hearing date



## Schedule for Proposed Biennial Budget and Rates



### February 2018

- 📅 Present proposed budget, water rates and charges to meet budget
- 📅 Board Workshop #1
- 📅 Board sets Public Hearing
- 📅 Board Workshop #2

### March 2018

- 📅 Board Workshop #3
- 📅 Conduct Public Hearings
- 📅 Board Workshop #4, if needed



## Schedule for Proposed Biennial Budget and Rates



### April 2018

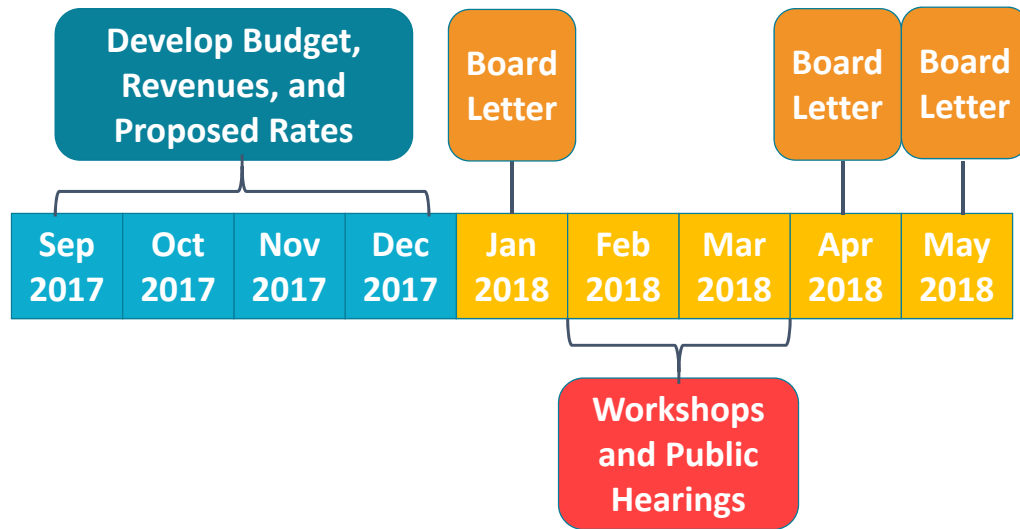
- 📅 Consider and recommend action on FY 2018/19 & 2019/20 budget and 2019 and 2020 rates & charges
- 📅 Board adoption of FY 2018/19 & 2019/20 budget and 2019 and 2020 rates & charges

### May 2018

- 📅 Adopt FY 2018/19 Standby Charge



## Timeline: Proposed Biennial Budget and Rates Process



## Key Budget Drivers

- 💧 State Water Project Costs
- 💧 Colorado River Aqueduct Power Costs
- 💧 O&M Expenses
- 💧 Water Sales
- 💧 PAYGO
- 💧 Debt Service





**INFORMATION ITEM**

January 3, 2018

**TO: Board of Directors**

**FROM: Robert Hunter,  
General Manager**

Staff Contact: Kevin Hostert

**SUBJECT: WATER SUPPLY CONDITIONS UPDATE**

**STAFF RECOMMENDATION**

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Staff recommends the Board of Directors to review and discuss this information.

**REPORT**

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Attached is an update on state and local water supply conditions as of December 20, 2017.

**2018 Initial Conditions**

As we enter the heart of the winter months, state precipitation so far is below average. The Northern California accumulated precipitation (8-Station Index) is reporting 12.5 inches or 84% of normal as of December 20, for the month of December accumulated precipitation was at 0.6 inches which is 8 inches below normal compared to the historical average. In summary, October 2017 was below average, November was well above average, and December was ***extremely below average***. It is still very early in the year but Northern California Snow Water Equivalent is at 2 inches as of December 20, which is 26% of normal. The importance of good deep winter snowpack ensures higher spring and summer flows into state and federal reservoirs. As of late December, all of Northern California remains out of drought conditions according the United States Drought Monitor.

Furthermore the Department of Water Resources released its initial SWP "Table A" allocation of 15%. This initial allocation will result in providing Metropolitan with close to 300,000 Acre-Feet (AF) in SWP deliveries this water year. Last year, Metropolitan's final SWP's Allocation was 85%.

On the CRA system, snowpack is measured across four states in the Upper Colorado River Basin. As of December 20, 2017, snowpack measured at 48 percent of normal for that date. Although Reclamation issued its annual determination that there will be no water supply curtailments on the Colorado River in 2017, the ongoing drought in the Colorado River watershed has impacted storage levels in Lake Powell and Lake Mead, which in turn affect the likelihood of surplus or shortage conditions in the future. Reclamation is projecting that there is about a 0 percent chance of a shortage on the Colorado River in 2018, but increases to 19 percent in 2019 and 42% in 2020.

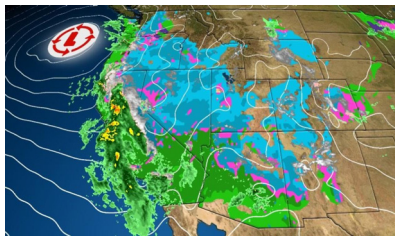




## WATER SUPPLY CONDITIONS (Posted 12-21-2017)

Kevin Hostert, Water Resources Analyst  
Municipal Water District of Orange County

## Water Year 2016-17 Recap



Claim #2

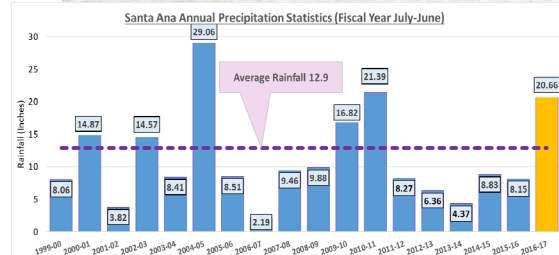
Only Jerry  
Brown can  
declare the  
drought  
over.



## Southern California 16-17



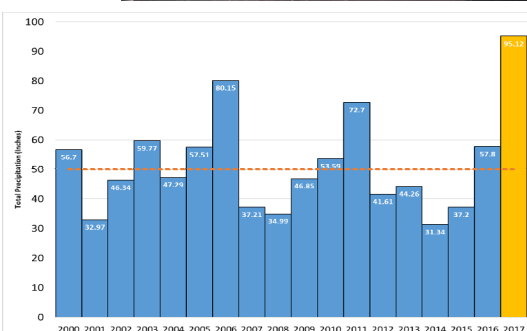
- Santa Ana recorded **20.66 inches** of rainfall.
- **160% of the normal** rainfall, which is 12.9 inches.
- Above average rainfall but **not a record setting year**.
- **12<sup>th</sup> wettest year** out of 109 years of record keeping.



## Northern California 16-17



- 8 Station Index recorded **95.12 inches** of rainfall.
- **190% of the normal** rainfall, which is 50 inches.
- **Wettest year** out of 97 years of record keeping.

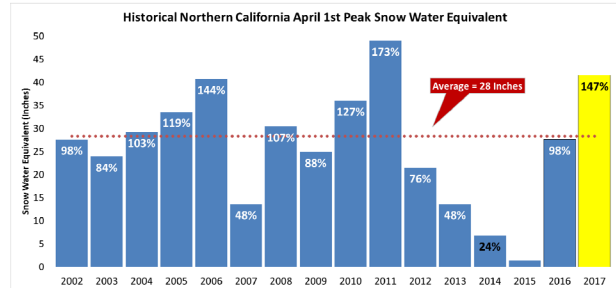




## Sierra Nevada Snowfall 16-17



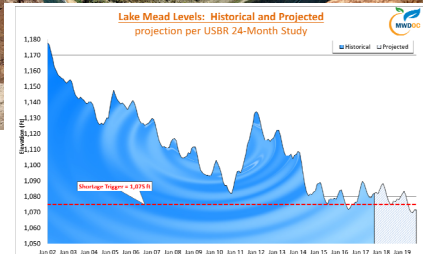
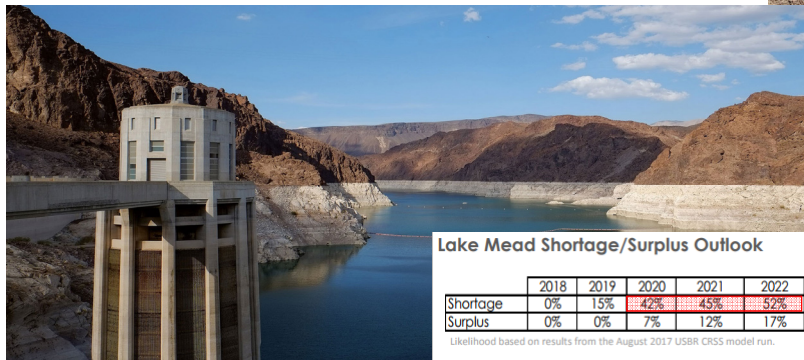
- Northern Sierra SWE = **148% of Normal.**
- Central Sierra SWE = **173% of Normal.**
- Southern Sierra SWE = **163% of Normal.**
- 2<sup>nd</sup> highest SWE** in Sierra since 2002 WY.



## Colorado River Basin 16-17



- Colorado Basin SWE = **108% of Normal.**
- Colorado Basin Precipitation = **112% of Normal.**
- Lake Mead elevation peaked in **January 2017 @ 1,090 ft.**
- Current Lake Mead level is @ 1,082 ft.**
- No expected shortage trigger** in the next two years.
- 42% chance shortage** by Jan 2020.



# End of the Great California Drought



April 2012



April 2013



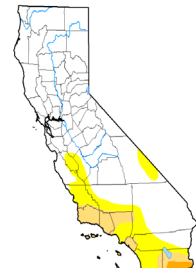
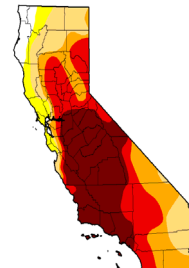
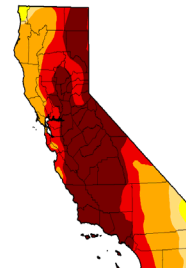
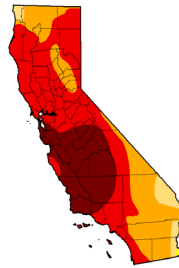
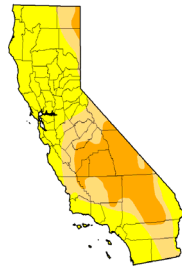
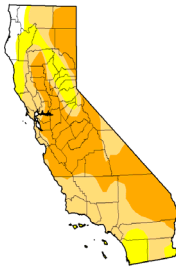
April 2014

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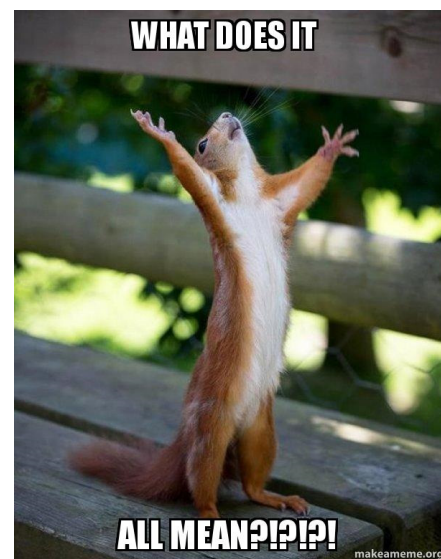
April 2017



## What does this all Mean???

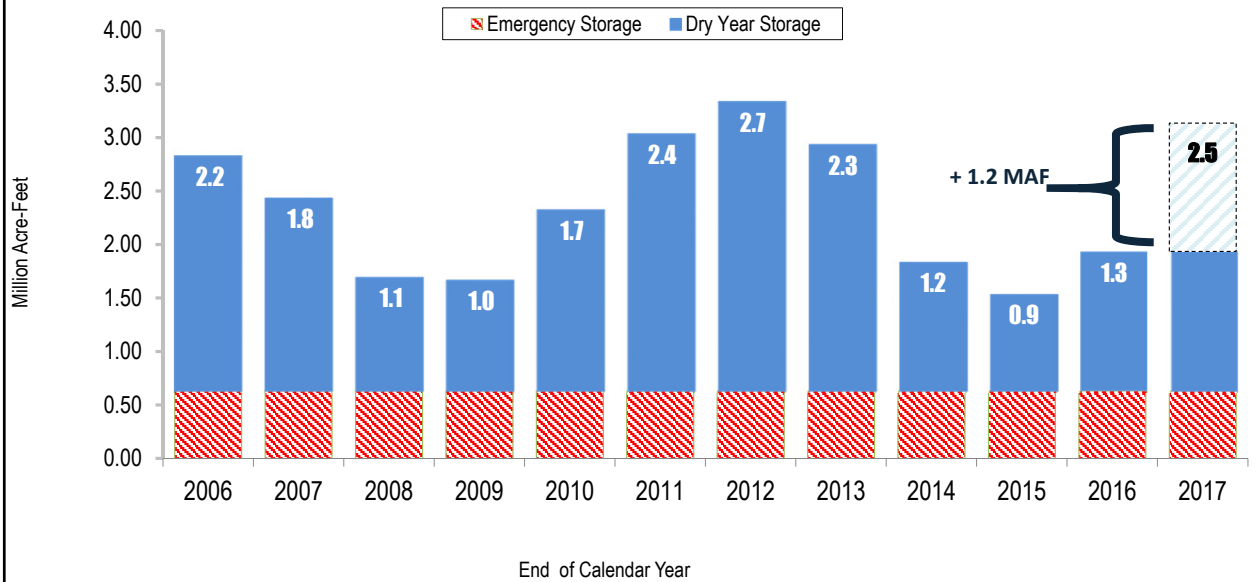


With the hefty amounts of water in Northern California MWD has opportunities to store vast amounts of water and prepare for California's next Great Drought.

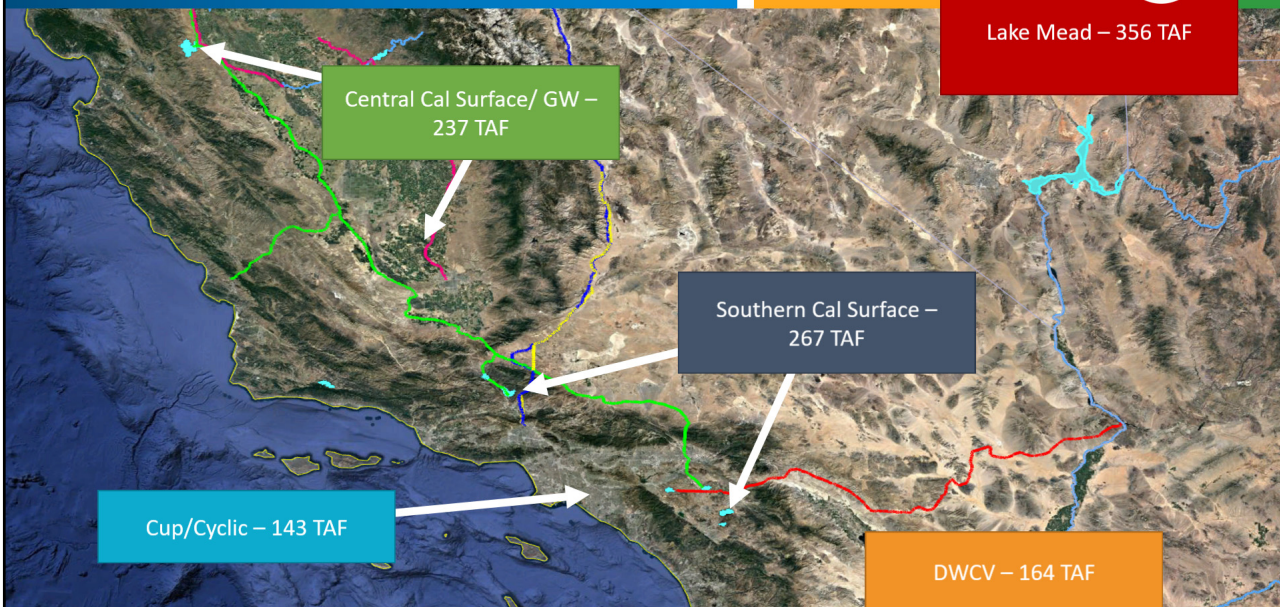




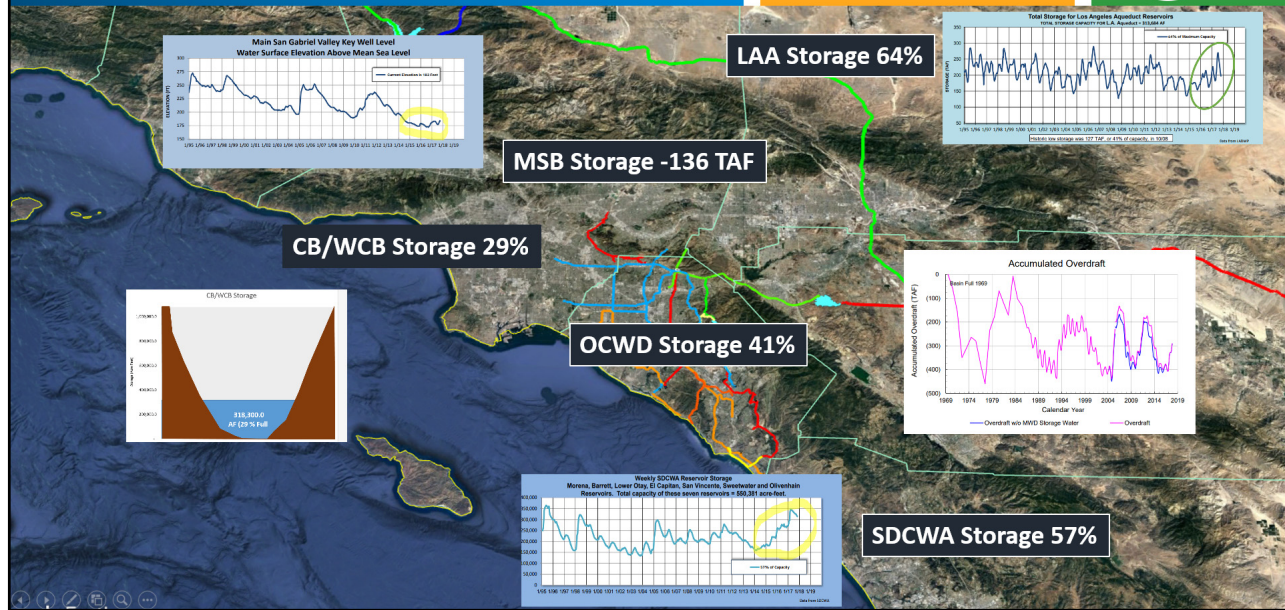
## MWD Storage Levels



## MWD Storage Levels Changes



# Local Water Supplies



## Orange County Precipitation

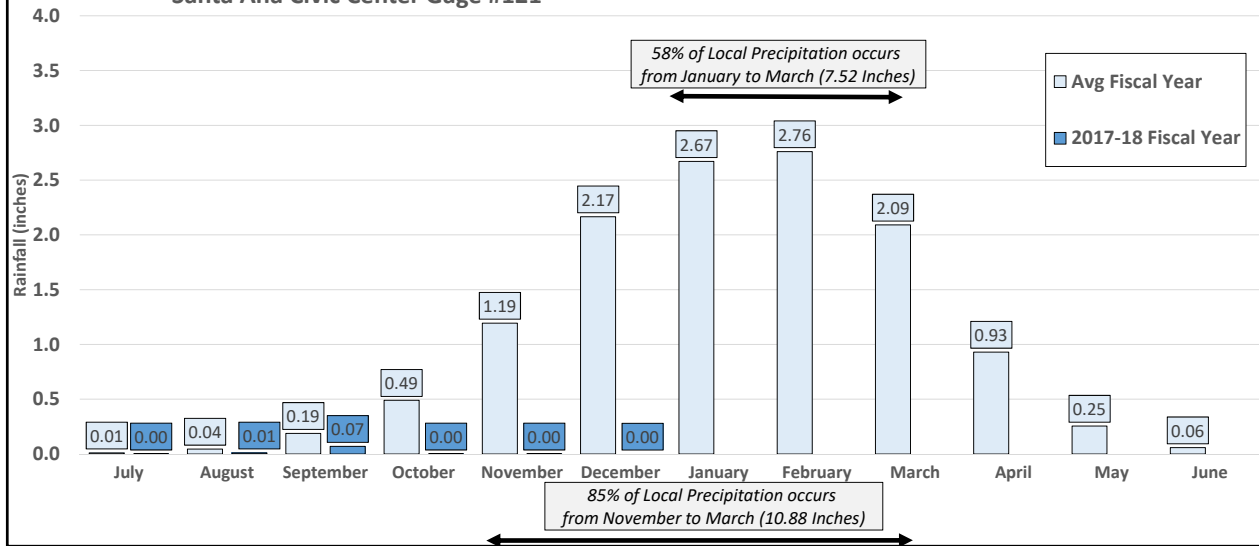




# Santa Ana Rainfall



Average Monthly Precipitation in Orange County, Ca  
Santa Ana Civic Center Gage #121



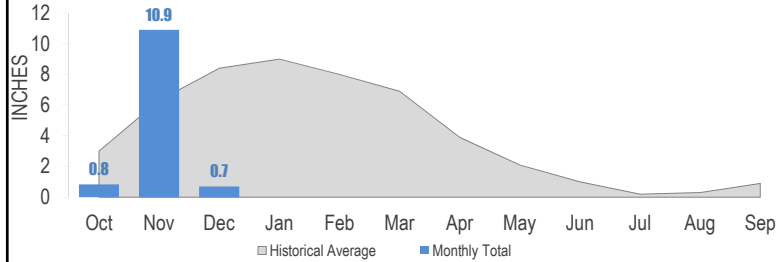
## Regional Weather and Water Supply Conditions



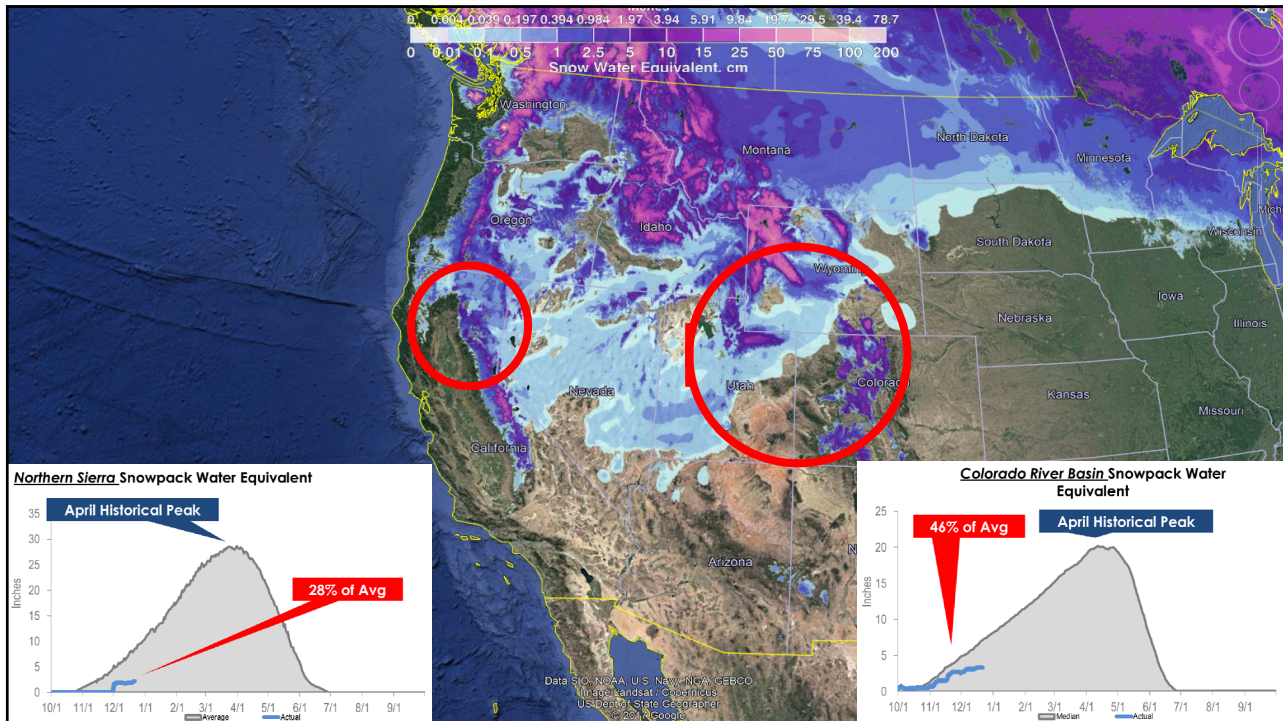
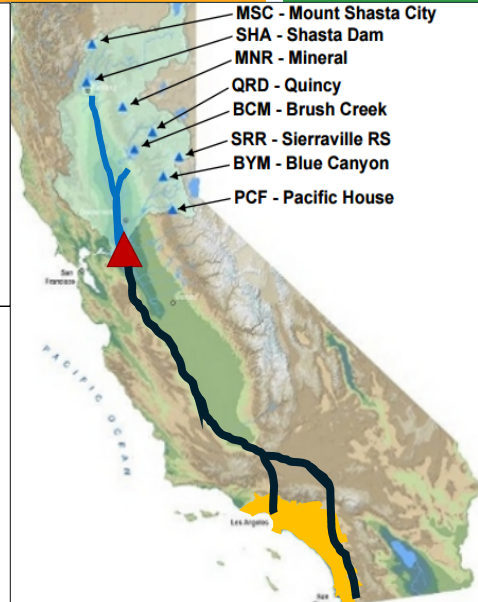
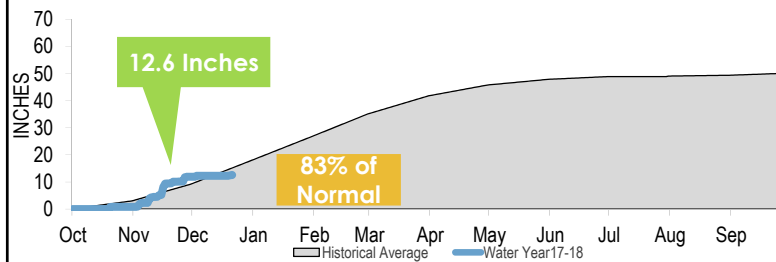
# Northern California Accumulated Precipitation



Monthly Precipitation (8 Station Precip Index)



Accumulated Precipitation (8-Station Precip Index)

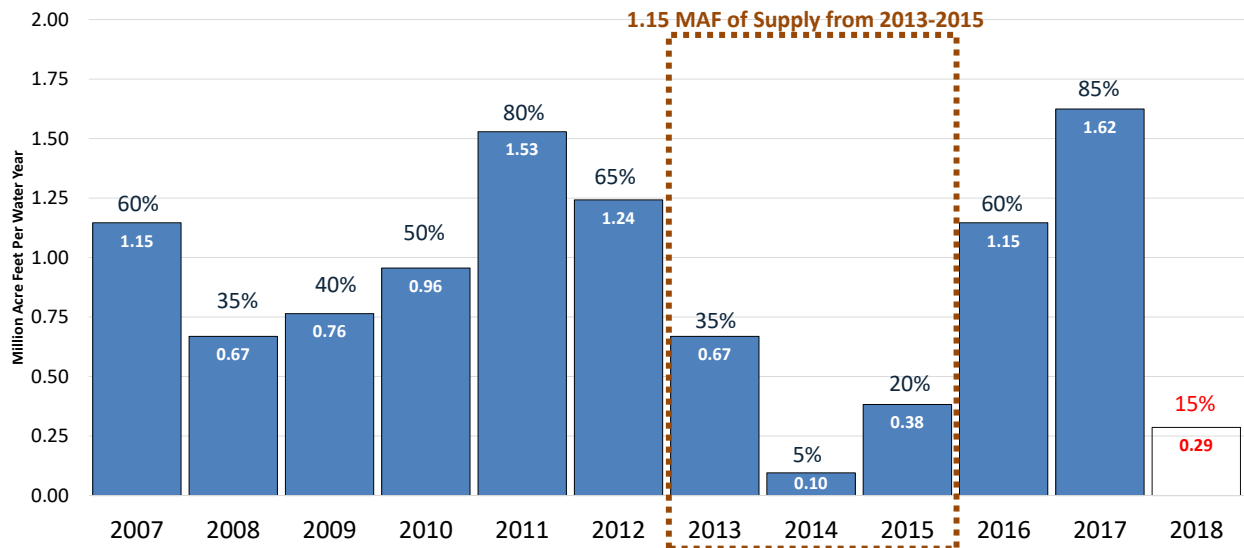




## 2018 SWP "Table A" Allocation



**MWD Table A Supply (MAF per Water Year)**



Questions





**DISCUSSION ITEM**

January 3, 2018

**TO: Board of Directors**

**FROM: Robert Hunter,  
General Manager**

Staff Contact: Karl Seckel  
Harvey De La Torre  
Melissa Baum-Haley

**SUBJECT: METROPOLITAN WATER DISTRICT (MET) ITEMS CRITICAL TO  
ORANGE COUNTY**

**STAFF RECOMMENDATION**

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Staff recommends the Board of Directors to review and discuss this information.

**DETAILED REPORT**

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This report provides a brief update on the current status of the following key MET issues that may affect Orange County:

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

Budgeted (Y/N): NA	Budgeted amount: None	Core _X_	Choice __
Action item amount: N/A	Line item:		
Fiscal Impact (explain if unbudgeted):			

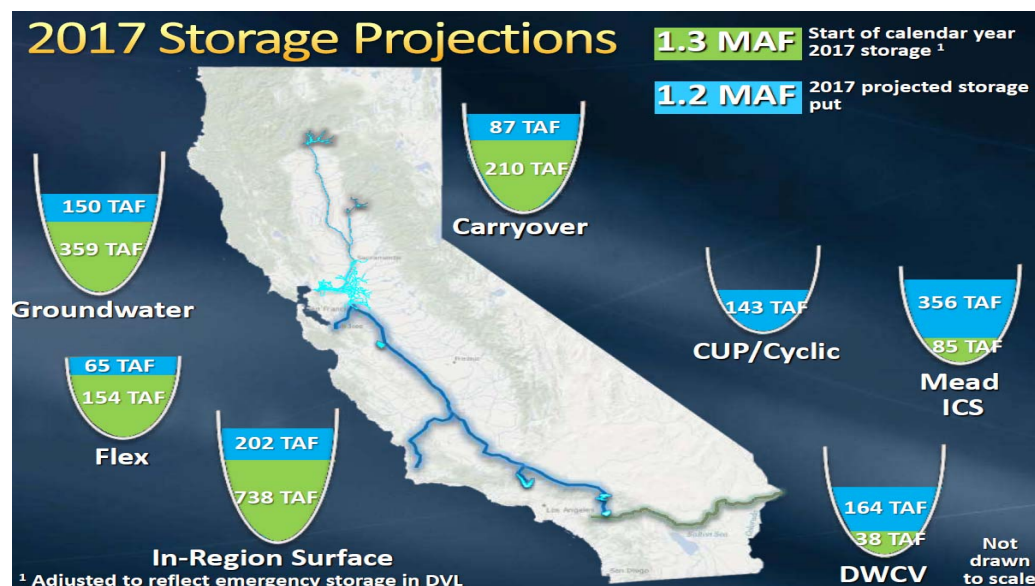


**ISSUE BRIEF # A****SUBJECT: MET's Water Supply Conditions****RECENT ACTIVITY****2017 Water Supply Balance**

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

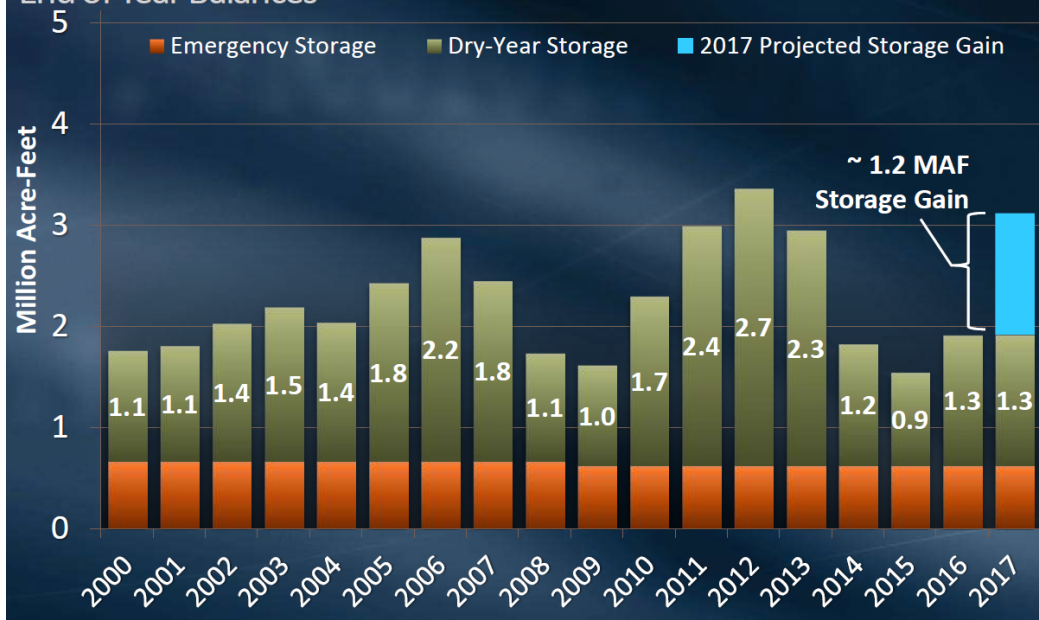
Metropolitan is projecting that supplies will exceed demand levels in CY 2017. With a current demand trend of 1.46 MAF, Metropolitan is expected to increase their dry-year supplies by 1.2 MAF, which is the highest they have ever stored. Based on this estimated recovery and a beginning dry-year storage balance of 1.3 MAF, this will bring Metropolitan's total dry-year storage to 2.5 MAF.

Limitations with recharging groundwater basins due to the "suspect" of quagga mussels and to secure all of the available imported water supplies for 2017, the Metropolitan Board approved last month a one-year In-Lieu storage program. The purpose of this program is to store additional imported water locally that would have been otherwise lost if no action was taken. For November 2017, MWDOC (Along with the three cities of Anaheim, Fullerton and Santa Ana) have requested that Metropolitan certify 11,264 AF of imported treated deliveries as In-Lieu. In-Lieu deliveries for December 2017 are estimated to be around 7,000 AF to 10,000 AF. Due to abnormally dry conditions throughout the state of California in the month of December there is a possibility the In Lieu program could end by February 1<sup>st</sup> 2018. More information on this topic should be available at the January 3<sup>rd</sup> Board Workshop Meeting.



## Metropolitan is Forecasting an Increase in Storage Reserves this Year

End of Year Balances

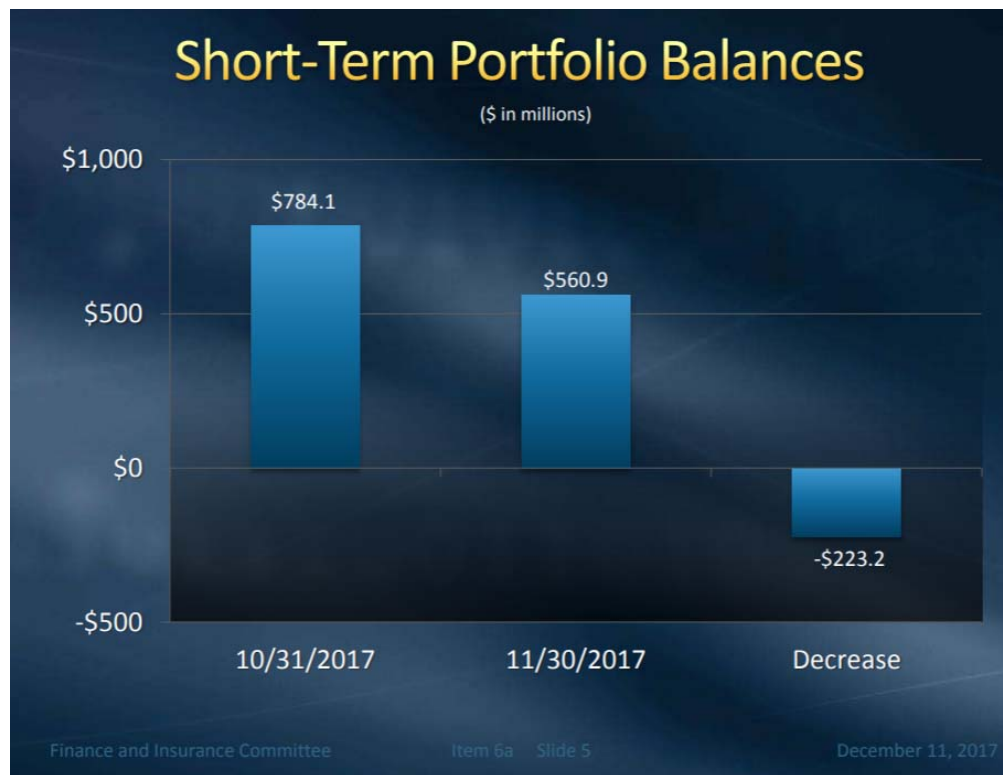


**ISSUE BRIEF # B****SUBJECT: MET's Finance and Rate Issues****RECENT ACTIVITY**

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**MET Financial Report**

The financial portfolio performance report through the November 30, 2017 resulted in a short-term portfolio with a market value of \$560.9 million, a decrease of \$223.2 million since October 31, 2017. From inception, the short-term portfolio has outperformed the benchmark by 0.56%.



For the month of November, the total return of the long-term portfolio resulted in a \$0.7 million decrease from October 2017; although for the month of November, the long-term portfolio outperformed the benchmark by 0.09%. From inception, the long term portfolio has outperformed the benchmark by 0.30%.

Water transactions through November 30, 2017 were 163.0 TAF lower than budget and 170.2 TAF lower than the 5-year average. Low sales in November remain due to decreased untreated water sales, in comparison to both the budget and prior year actual sales. While sales through November 2017 are \$107.1 million lower than the budget although they are only \$37.1 million lower than November 2016.

## **ISSUE BRIEF # C**

**SUBJECT: Colorado River Issues**

### **RECENT ACTIVITY**

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#### **State Water Resources Control Board Modifies WRO 2002-0013**

The State Water Resources Control Board (State Water Board) voted in favor of the Salton Sea Management Program and the Stipulated Order for Future Action by the State Water Board on Tuesday, November 7, 2017. At its meeting, the State Water Board received additional input regarding the Salton Sea Management Program and the Draft Stipulated Order and asked Imperial Irrigation District (IID) and the other stipulating parties to make some additional edits before the vote. Metropolitan submitted written comments and the General Manager provided oral comments at the meeting to convey Metropolitan's support for the draft stipulated order, while reserving all rights and prior positions. The State Water Board voted unanimously in favor of the Stipulated Order.

The Order notes that delivery of mitigation water to the Salton Sea will end on December 21, 2017 and that the mitigation measures identified in IID's Environmental Impact Report on the Water Conservation and Transfer Project, which includes a four-step air quality plan, will continue to be implemented.

New provisions added to WRO 2002-0013:

- Find that restoration of a smaller Salton Sea is feasible.
- Provide that the State of California will lead and coordinate management efforts and implementation of projects for human health and the environment.
- Note that successful management of the Salton Sea will require participation by a range of state, local and federal governmental entities, as well as non-governmental organizations.
- Find that cooperation of non-governmental land owners will be needed to secure rights of way for conveyance structures.
- Establish restoration milestones to address human health and environmental concerns which set annual targets for habitat and dust-suppression projects on a specified number of acres of exposed playa from 2019 – 2029.
- State that no less than 50 percent of those acres will provide habitat benefits for fish and wildlife.
- Provide that the California Natural Resources Agency will develop subsequent 10-year restoration management plans, with stakeholder coordination, beginning no later than midway through the current plan.
- Require the Board to hold an annual public meeting, no later than March 31, to receive oral and written comments on the status of the Salton Sea Restoration.
- Reserve the Board's jurisdiction to make further amendments to WRO 2002-0013 "to ensure Salton Sea

- Restoration throughout the term of the QSA through its continuing jurisdiction under this Order.”

### **MWD Approves IID’s Requests to Store Conserved Water**

In response to IID’s October 27, 2017 request for Metropolitan to store conserved water in 2017, on November 28 Metropolitan approved storing up to 69,000 acre-feet of conserved water on behalf of IID, provided Metropolitan can modify its operations to manage or store all of its Colorado River supplies this year. IID would store water with Metropolitan in the final year of a three-year agreement in which Metropolitan agreed to store increased amounts of conserved water generated by IID. The water is subject to a 5 to 10 percent storage loss that would be provided to Metropolitan, and would be returned at IID’s request in a future year. The exact amount of water IID would store with Metropolitan will not be known until May of 2019 when the conservation numbers have been reviewed and agreed to by Metropolitan staff.

**ISSUE BRIEF # D****SUBJECT: Bay Delta/State Water Project Issues****RECENT ACTIVITY**

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**California WaterFix**

Since Metropolitan's Board action in October to approve participation in the California Water Fix (CA WaterFix) project, support continues from State Water Project contractors for CA WaterFix. Metropolitan staff is continuing its engagement with the Department of Water Resources (DWR) and other public water agencies on the best strategy for optimizing implementation, possible financing structures, and other cost/benefit tools, such as long-term transfers.

The California WaterFix Petition proceedings before the SWRCB are ongoing. Part 2 of the hearings will address the effects of the proposed project on fish and wildlife, including consideration of appropriate Delta flow criteria. Opening briefs for Part 2 were due November 30, and Part 2 of the California WaterFix hearing will commence January 18, 2018.

**State Water Resources Control Board**

In October 2017, the State Water Resources Control Board (SWRCB) issued a notice to solicit stakeholder input to the development of the program of implementation for the Phase II Update to the Bay-Delta Water Quality Control Plan, and released their final Phase II Scientific Basis Report. The Phase II update addresses inflows to the Sacramento River and Delta, and Delta outflows, and it is focused on protection of fish and wildlife beneficial uses. Metropolitan staff worked with the State Water Contractors (SWC) to submit written comments to the SWRCB on November 9. The comments address the SWRCB request for input on the program of implementation and state that it is premature to discuss implementation since the description of the Metropolitan staff proposal lacks sufficient detail. The SWC comments also address remaining concerns with the Phase II report including the need to address scientific uncertainty and incorporate more recent relevant scientific literature

**Science Activities**

Metropolitan staff continued participation in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team. November meetings focused on salmon issues. Metropolitan staff participated in workshops addressing the winter run salmon life cycle model developed for the National Marine Fisheries Service and provided input on technical and scientific information needed to improve the model. Metropolitan staff also provided input to developing salmon science projects for CSAMP addressing Delta habitat needs for salmon and factors affecting salmon survival.

Metropolitan staff also participated in the Delta Smelt Scoping Team process to develop a decision support tool for the Delta smelt Resiliency Strategy, and develop management questions that would guide development of a long-term monitoring program to inform management actions for Delta smelt.

Metropolitan staff initiated a study with researchers from the U.S. Forest Service to investigate the rate at which fish species are misidentified by expert observers in fish survey programs. The results of the study could inform the accuracy of fish survey data through the 1990's.

Field work for the third phase of the longfin smelt vertical distribution study, funded by a Proposition 1 grant, was conducted in November. Two sets of day night trawling were conducted over two weeks. Data and samples are being analyzed. Initial results suggest that longfin smelt in the Bay-Delta estuary behave similarly to the landlocked version in Lake Washington, in the state of Washington. The use of bioacoustics was deployed during the survey and initial results suggest that significant portions of the fish are not being detected by the nets.

Metropolitan staff participated in the first Central Valley Salmon Habitat Partnership meeting. The mission of the Central Valley Salmon Habitat Partnership is to protect, restore, and enhance salmon and steelhead populations, habitats, and ecosystem conditions by working collaboratively through diverse partnerships to achieve the conservation objectives identified in the Salmon Partnership's Implementation Plan. Metropolitan will participate in the science development committee, which will work as a group to identify projects for the partnership to implement. The first meeting to brainstorm projects will take place in early 2018.

### **Delta Flood Emergency Management Plan**

DWR has stated that the final Delta Flood Emergency Management Plan will be delayed to 2018 because of Metropolitan staff deployments to assist in potential flood and erosion remediation efforts from the Napa and Sonoma fires, and to allow sufficient time for briefing processes for substantial executive management changes at DWR. The California Office of Emergency Services has also indicated that significant personnel have been deployed to the Napa and Sonoma regions.

An updated seismic response model will be developed to estimate strong ground motion predictions affecting Delta levees using most recent Napa earthquake data, new data from other faults in the region, and current ground motion prediction techniques through the California Earthquake Authority and academic researchers.

DWR is evaluating the sequence and scale of flood fight activities to assess restoration of pathway features to restore water export operations in the event of weather or seismic related flood events in the Delta. This process would help determine what activities may warrant federal reimbursement, typically including immediate response to major flood and earthquake emergencies and levee damages. Metropolitan and DWR have jointly determined that pathway implementation and export startup would be preceded by a water pulse from north of Delta reservoirs to initiate pathway operations, and from San Joaquin sources to initially clear high salinity concentrations from the pathway.

**ISSUE BRIEF # E**

**SUBJECT: MET's Ocean Desalination Policy and Potential Participation in the Doheny and Huntington Beach Ocean (Poseidon) Desalination Projects**

**RECENT ACTIVITY**

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**Doheny Desal**

The details of this have been moved to briefing Issue H as it pertains only to South Orange County.

**Poseidon Huntington Beach**

The State Lands Commission approved the lease amendment for the proposed Huntington Beach Desalination Project on October 19, 2017. The Santa Ana Regional Water Quality Control Board will next consider approval of an Ocean Discharge Permit Amendment for the project in the first half of 2018, and then the California Coastal Commission will consider approval of a Coastal Development Permit.



## **ISSUE BRIEF # F**

**SUBJECT: Orange County Reliability Projects**

### **RECENT ACTIVITY**

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#### **Central Pool Augmentation Project**

The intention of the Central Pool Augmentation (CPA) Project is a major water conveyance and treatment system that augments deliveries of potable water to Metropolitan's Central Pool. Water from Lake Mathews would be treated at a new regional treatment plant located at Eagle Valley, and delivered to the Central Pool area through a pipeline and tunnel system extending under the Santa Ana Mountains into Orange County. Metropolitan's Central Pool area is an operational area located in the center of its service territory, comprising all areas served by the Jensen, Weymouth, and Diemer treatment plants.

#### **(Nothing New to Report) Status of the CPA Project**

Metropolitan has deferred the CPA Project and placed this project beyond the 25 year time horizon for CIP projects. However, Metropolitan continues to preserve the project's viability by; monitoring activity along the project's proposed alignment including the tunnel portals, maintaining coordination with member agencies to see if water demands increase, and maintaining key right-of-way areas (MET owns the Eagle Valley water treatment plant site).

#### **Orange County Water Reliability Study**

Staff and consultants have been working on an update to the 2016 OC Water Reliability Study. A working draft presentation been completed. Staff is continuing to seek comments from our member agencies and review input from a number of sources. The water supply evaluation portion of the study will be presented in Spring 2018.

The study updates include:

1. Review and update of the climate scenario information on both the Colorado River and the SWP supplies
2. Examination of options for the Drought Contingency Plan allocations on the Colorado River supplies
3. Project evaluations of a regional nature
  - a. California WaterFix
  - b. Carson IPR
4. Project evaluations impacting OCWD (supply only)
  - a. Poseidon
5. Project evaluations impacting South Orange County (SOC) [supply and system (emergency)]
  - a. Poseidon
  - b. Doheny
  - c. San Juan Watershed Project
  - d. Strand Ranch (Central Valley) Drought Supplies
  - e. Cadiz
  - f. Emergency Groundwater to SOC

6. Evaluation of another major Southern California Reservoir for purposes of capturing additional wet year supplies

Staff anticipates another three months or so to complete the supply evaluations indicated above. The work has been more complex than anticipated and input regarding certain assumptions needs to be completed before release of the information.

**ISSUE BRIEF # G**

**SUBJECT: East Orange County Feeder No. 2**

**RECENT ACTIVITY**

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**Use of East Orange County Feeder No. 2 for Conveyance of Groundwater and/or Poseidon Water**

MWDOC has been discussing concepts for pumping groundwater into the EOCF No. 2 for conveyance to South Orange County during an emergency event. Upcoming discussions will be held with Metropolitan to discuss terms and conditions for conveyance of local supplies.

## **ISSUE BRIEF # H**

**SUBJECT: South Orange County Projects**

### **RECENT ACTIVITY**

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#### **UPDATED - Doheny Desal Project**

South Coast Water District held a second (or Amended) Notice of Preparation & Public Scoping Meeting for the Doheny Ocean Desalination Project On December 7, 2017 as part of the Environment Impact Report (EIR) process. The meeting provided public notice of additional elements being added into the EIR (specifically inclusion of the recent geotechnical work identifying additional potential slant well locations).

The draft EIR release for public comments is anticipated in February 2018.

#### **UPDATED - SMWD Trampas Canyon Recycled Water Reservoir**

SMWD Board awarded the Trampas Dam and Reservoir Construction Project to Sukut Construction Inc. on November 8, 2017 for \$82,289,000. Trampas Dam and Reservoir Construction Project will reconstruct and improve the existing 900 acre-feet reservoir and increase the capacity of the reservoir to 5,000 acre-feet for seasonal storage of recycled water.

#### **San Juan Watershed Project**

The Santa Margarita Water District (SMWD) as the Lead Agency has completed the preparation of an Environmental Impact Report (EIR) pursuant to the California Environmental Quality Act (CEQA) for the proposed San Juan Watershed Project.

The Santa Margarita Water District (SMWD), in conjunction with South Coast Water District, proposes the San Juan Watershed Project that would develop facilities to manage surface water resources to enhance groundwater resources of the San Juan Groundwater Basin. The SMWD as the Lead Agency has prepared a Draft Program Environmental Impact Report (PEIR) pursuant to the California Environmental Quality Act (CEQA) for the proposed project. The Draft PEIR is being be circulated for a 65-day public review period, beginning December 21, 2017 and ending February 23, 2017.

A public meeting will be held to receive comments regarding the content of the Draft PEIR. The public meetings will include a brief presentation to provide an overview of the proposed project and the CEQA process. Written comment forms will be supplied for those who wish to submit comments in writing at the public meetings. Written comments may also be submitted anytime during the Draft PEIR review period. The public meetings will be held Tuesday, January 30, 2018 from 6:00 PM to 8:00 PM at the San Juan Capistrano Community Center, located at 25925 Camino Del Avion, San Juan Capistrano, CA 92675.

#### **Other Information on South County Projects:**

##### **Laguna Beach County Water District Groundwater Project with Newport Beach**

The service connection for Laguna Beach County WD (CM-1) is located at a 'dead' end at the downstream end of the OC Feeder. This creates a unique situation in the MET system in that changes in one retail agency's demand on MET can result in water quality issues in

the MET system. Staff from MWDOC, City of Newport Beach, Laguna Beach County WD, and Tetra Tech have been working on this issue for some time. Staff met on December 18<sup>th</sup> to discuss alternatives to address flow and water quality conditions at CM-1 and the concurrent ability to deliver MET water and groundwater to Laguna Beach County WD through Newport Beach's water system. MWDOC staff will next work with MET staff to explore the acceptability of the alternatives identified toward developing a recommendation for future consideration.

### **Expansion of the Irvine Interconnection Project to South Orange County**

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 emergency capacity committed to the SOC agencies declines over time and goes to zero by 2030. MWDOC and IRWD are evaluating IRWD's ability to increase the exchange and conveyance of water under this arrangement or extend to extend the end date of the agreement and the capacity thereunder. MWDOC is working on other options with OCWD and MET to move groundwater via the EOCF#2 to SOC during emergency events.

### **Camp Pendleton Seawater Desalination Project**

(Nothing New to Report). San Diego County Water Authority (SDCWA) is studying the feasibility of a desalination project at the southwest corner of Camp Pendleton Marine Corps Base adjacent to the Santa Margarita River. The project is still in the feasibility study stage and SDCWA is conducting geological surveys, analyzing intake options, and studying the effect on ocean life and routes to bring desalinated water to SDCWA's delivery system. Michael Baker International has been retained to conduct the intake study and they are looking to lease the Doheny Mobile Test Facility from MWDOC and the Doheny Desal Participants. The intake study has been postponed until late 2018.

If any agencies would like to have updates included herein on any projects within your service area, please email the updates to Karl Seckel at [kseckel@mwdoc.com](mailto:kseckel@mwdoc.com).

**Summary Report for  
The Metropolitan Water District of Southern California  
Board Meeting  
December 12, 2017**

**COMMITTEE ASSIGNMENTS**

Director Pressman was appointed to the Conservation and Local Resources Committee.  
(**Agenda Item 5C**)

**ORGANIZATION, PERSONNEL & TECHNOLOGY COMMITTEE**

Appropriated \$3.4 million in budgeted funds; and awarded a not-to-exceed \$678,000 procurement to Oracle Corp., for database licenses and installation services; awarded a not-to-exceed \$395,000 procurement to Nth Generation Computing Inc. for Hewlett-Packard Server equipment and installation services awarded a not-to-exceed \$410,000 procurement to EMC Corp. for data storage equipment and installation services; and authorized a system upgrade for Metropolitan's disaster recovery datacenter. (Appropriation 15487) (**Agenda Item 8-1**)

**ENGINEERING AND OPERATIONS COMMITTEE**

Appropriated \$6.26 million; awarded \$4,394,400 contract to Kaveh Engineering & Construction, Inc. for seismic upgrades to the Diemer filter outlet conduit; and authorized increase of \$190,000 to an agreement with AECOM, for a new not-to-exceed total of \$1,315,000, to provide technical support. (Appropriation No. 15380) (**Agenda Item 8-2**)

Appropriated \$2.86 million; authorized comprehensive assessments of the spillways and dam structures at Lake Mathews and Lake Skinner; authorized preliminary design of upgrades to the dam monitoring systems at both lakes; and authorized agreement with AECOM with a not-to-exceed amount of \$1.53 million for technical support. (Appropriation No. 15419)  
(**Agenda Item 8-3**)

Appropriated \$4.3 million; and awarded \$2,560,232 contract to Abhe & Svoboda, Inc. for the installation of surge chamber slide gates at the Colorado River Aqueduct pumping plants.  
(Appropriation No. 15373) (**Agenda Item 8-4**)

Appropriated \$2.47 million; awarded \$1,433,000 contract to Lasater Construction Co., Inc. to replace a spillway gate at Eagle Mountain Reservoir; and authorized increase of \$75,000 to an agreement with Lee & Ro, Inc., for a new not-to-exceed total of \$320,000, to provide technical support. (Appropriation No. 15438) (**Agenda Item 8-5**)

**COMMUNICATIONS AND LEGISLATION COMMITTEE**

Adopted the revised Federal Legislative Priorities and Principles for 2018. (**Agenda Item 8-6**)

Adopted the revised State Legislative Priorities and Principles for 2018 with an additional revision to strike the word “solely” from the second bullet under “Metropolitan’s Top State Priorities for 2018” on page 1 and the fifth bullet under “Infrastructure and Public Finance” on page 4. **(Agenda Item 8-7)**

## **CONSENT CALENDAR**

In other action, the Board:

Appropriated \$700,000; and authorized preliminary design of seismic upgrades to Whitewater Tunnel No. 2 on the Colorado River Aqueduct. (Appropriation No. 15483) **(Agenda Item 7-1)**

Appropriated \$1.95 million; authorized final design to replace the domestic and nonpotable water distribution systems at the Colorado River Aqueduct pumping plants; and authorized preliminary design to replace roadway pavement throughout the Colorado River Aqueduct villages. (Appropriation No. 15483) **(Agenda Item 7-2)**

Awarded \$339,500 contract to Shipley Construction and Plumbing to renovate two houses at Gene Pumping Plant. (Appropriation No. 15495) **(Agenda Item 7-3)**

Authorized granting a year-to-year license to The Coachella Valley Mountains Conservancy. **(Agenda Item 7-4)**

Authorized entry permit for the city of Yorba Linda to access the Diemer plant for inspections under the state Municipal Storm Water Program. **(Agenda Item 7-5)**

## **THIS INFORMATION SHOULD NOT BE CONSIDERED THE OFFICIAL MINUTES OF THE MEETING.**

Board letters related to the items in this summary are generally posted in the Board Letter Archive approximately one week after the board meeting. In order to view them and their attachments, please copy and paste the following into your browser

<http://edmsidm.mwdh2o.com/idmweb/home.asp>

All current month materials, before they are moved to the Board Letter Archive, are available on the public website here: <http://mwdh2o.com/WhoWeAre/archived-board-meetings>



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA

# MWD MEETING AGENDA

## Board Meeting

January 9, 2018

12:00 p.m. – Board Room

January 9, 2018 Meeting Schedule		
9:00 a.m.	Rm. 2-145	L&C
10:00 a.m.	Rm. 2-456	C&LR
12:00 p.m.	Board Room	Board Meeting

MWD Headquarters Building

•

700 N. Alameda Street

•

Los Angeles, CA 90012

### 1. Call to Order

- (a) Invocation: Joseph Chavez, Administrative Analyst III (C),  
Administrative Services
- (b) Pledge of Allegiance: Director Cynthia Kurtz  
City of Pasadena

### 2. Roll Call

### 3. Determination of a Quorum

- 4. Opportunity for members of the public to address the Board on matters within the Board's jurisdiction. (As required by Gov. Code § 54954.3(a))

### 5. OTHER MATTERS

- A. Approval of the Minutes of the Meeting for December 12, 2017  
(A copy has been mailed to each Director)  
Any additions, corrections, or omissions
- B. Report on Directors' events attended at Metropolitan expense for month of December 2017
- C. Approve committee assignments
- D. Chairman's Monthly Activity Report



## **6. DEPARTMENT HEADS' REPORTS**

- A. General Manager's summary of activities for the month of December 2017
- B. General Counsel's summary of activities for the month of December 2017
- C. General Auditor's summary of activities for the month of December 2017
- D. Interim Ethics Officer's summary of activities for the month of December 2017

## **7. CONSENT CALENDAR ITEMS — ACTION**

- 7-1** Adopt CEQA determination and appropriate \$320,000; and authorize construction to replace the roofs on two buildings at the Eagle Rock Control Center (Appropriation No.15480) (E&O)

**Recommendation:**

**Option #1:**

**Adopt the CEQA determination that the proposed action is categorically exempt, and**

- a. Appropriate \$320,000; and**
- b. Authorize construction to replace the roofs on two buildings at the Eagle Rock Control Center**

- 7-2** Adopt CEQA determination and appropriate \$1.45 million; award \$374,359 procurement contract to Flow International Corp. to furnish a waterjet cutting system; award \$332,939 procurement contract to North South Machinery to furnish a hydraulic press brake; and authorize increase of \$200,000 to an agreement with Richard Brady & Associates, for a new not-to-exceed total of \$446,000, for the La Verne Shops Upgrades (Appropriation No. 15395) (E&O)

**Recommendation:**

**Option #1:**

**Adopt the CEQA determination that the proposed action has been previously addressed in the certified Final EIR, findings, SOC, and MMRP, and that no further environmental analysis or documentation is required, and**

- a. Appropriate \$1.45 million;**
- b. Award \$332,939 procurement contract to North South Machinery to furnish a hydraulic press brake;**
- c. Award \$374,359 procurement contract to Flow International Corp. to furnish a water jet cutting system; and**
- d. Authorize increase of \$200,000 to an agreement with Richard Brady & Associates, for a new not-to-exceed total of \$446,000, for the La Verne Shops Upgrades**

**END OF CONSENT CALENDAR**

## **8. OTHER BOARD ITEMS — ACTION**

- 8-1** Adopt CEQA determination and appropriate \$16.45 million; authorize preliminary design to rehabilitate prestressed concrete cylinder pipe portions of the Allen-McColloch Pipeline, Calabastas Feeder, Rialto Pipeline, and Sepulveda Feeder; authorize agreements with: (1) Brown and Caldwell in an amount not to exceed \$2 million; (2) Black and Veatch Corporation, Inc. in an amount not to exceed \$2.9 million; and (3) HDR Engineering, Inc. in an amount not to exceed \$4.4 million, to provide engineering design services; and authorize increase of \$150,000 to an agreement with Helix Environmental Planning, Inc., for a new total of \$2.1 million, to provide environmental support (Appropriations Nos. 15496 and 15502) (E&O)

**Recommendation:**

**Option #1:**

**Adopt the CEQA determination that the proposed actions was previously addressed in the certified 2017 Final PEIR, findings, Statement of Overriding Considerations, and Mitigation Monitoring and Reporting Program; and**

- a. Appropriate \$16.45 million;**
- b. Authorize preliminary design to rehabilitate PCCP portions of the Allen-McColloch Pipeline, Calabastas Feeder, Rialto Pipeline, and Sepulveda Feeder;**
- c. Authorize agreement with Brown and Caldwell in an amount not to exceed \$2.0 million to provide engineering services for rehabilitation of the Allen-McColloch Pipeline;**
- d. Authorize agreement with Black and Veatch Corporation, Inc. in an amount not to exceed \$2.9 million to provide engineering services for rehabilitation of the Rialto Pipeline;**
- e. Authorize agreement with HDR Engineering, Inc. in an amount not to exceed \$4.4 million to provide engineering services for rehabilitation of the Sepulveda Feeder**
- f. Authorize increase of \$150,000 to an agreement with Helix Environmental Planning, Inc., for a new not-to-exceed total of \$2.1 million, to provide environmental support.**

- 8-2** Adopt CEQA determination and appropriate \$4.1 million; and authorize: (1) design of seismic upgrades to three buildings at the La Verne site; (2) agreement with IBI Group in an amount not to exceed \$630,000; and (3) agreement with La Cañada Design Group, Inc. in an amount not to exceed \$950,000 (Appropriations Nos. 15369 and 15495) (E&O)

**Recommendation:**

**Option #1:**

**Adopt the CEQA determination that the proposed actions have been previously addressed in the certified Final EIRs and related documents and that no further environmental analysis or documentation is required, and**

- a. Appropriate \$4.1 million;**
- b. Authorize final design of seismic upgrades and building improvements for three buildings at the La Verne site;**
- c. Authorize agreement with IBI Group in an amount not to exceed \$630,000; and**
- d. Authorize agreement with La Cañada Design Group, Inc. in an amount not to exceed \$950,000**

- 8-3** Adopt CEQA determination and appropriate \$2.1 million; and authorize: (1) design and construction to refurbish the generator at Valley View Hydroelectric Plant; and (2) preliminary design to rehabilitate auxiliary systems at that facility (Appropriation No. 15458) (E&O)

**Recommendation:**

**Option #1:**

**Adopt the CEQA determination that the proposed actions are categorically exempt, and**

- a. Appropriate \$2.1 million;**
- b. Authorize design and construction to refurbish the generator at Valley View Hydroelectric Plant; and**
- c. Authorize preliminary design to rehabilitate auxiliary systems at that facility**

**9. BOARD INFORMATION ITEMS**

- 9-1** Update on Conservation Program

## **10. FOLLOW-UP ITEMS**

## **11. FUTURE AGENDA ITEMS**

## **12. ADJOURNMENT**

**NOTE:** At the discretion of the Board, all items appearing on this agenda and all committee agendas, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

Each agenda item with a committee designation will be considered and a recommendation may be made by one or more committees prior to consideration and final action by the full Board of Directors. The committee designation appears in parentheses at the end of the description of the agenda item e.g., (E&O, F&I). Committee agendas may be obtained from the Board Executive Secretary.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site <http://www.mwdh2o.com>.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.