

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 2, 2019, 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. 2079)**

**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. WATER SUPPLY CONDITION UPDATE**

*Recommendation: Review and discuss the information presented.*

**3. PRESENTATION OF GROUNDWATER CONDITIONS IN THE METROPOLITAN SERVICE AREA**

*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 November Board Meeting
- b. Review items of significance for MET Board and Committee Agendas

*Recommendation: Review and discuss the information presented.*

**CLOSED SESSION**

**7. CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION**  
Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9: (1 case)

**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 accommodat



**INFORMATION ITEM**  
January 2, 2019

**TO:** Board of Directors

**FROM:** Robert Hunter, General Manager

Staff Contact: Kevin Hostert

**SUBJECT: WATER SUPPLY CONDITION UPDATE**

**STAFF RECOMMENDATION**

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

**REPORT**

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The 2018-19 Water Year officially began October 1, 2018. Thus far, the Northern California accumulated precipitation (8-Station Index) is reporting **12.9 inches or 77% of normal** as of December 26. In the month of December 2018, accumulated precipitation reached 5.1 inches, which is **3.3 inches below normal** compared to the historical average (As of December 26<sup>th</sup>). The Northern Sierra Snow Water Equivalent was at 5.9 inches on December 24<sup>th</sup>, which was **63% of normal** for that day.

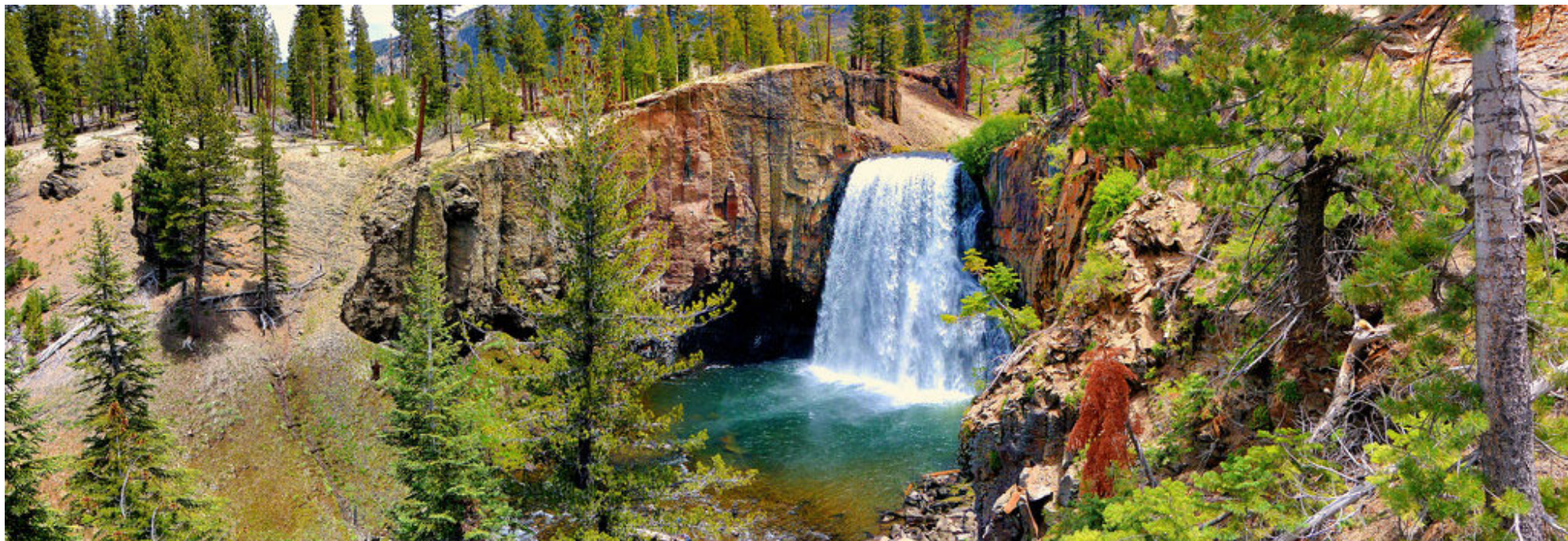
As of December 25<sup>th</sup> Lake Oroville storage is at 29% of total capacity and 47% of normal. As of December 25<sup>th</sup> San Luis Reservoir has a current volume of 70% of the reservoirs total capacity and is 106% of normal.

The Department of Water Resources (DWR) in December set the initial State Water Project (SWP) "Table A" allocation at 10%. This allocation provides Metropolitan with approximately 191,150 AF in SWP deliveries this water year. DWR's approval considered several factors including existing storage in SWP conservation reservoirs, SWP operational regulatory constraints, and the 2019 contractor demands.

On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. As of December 26, 2018, snowpack measured at 94% of normal for that date. The ongoing decline in the Colorado River watershed has impacted storage levels in Lake Powell and Lake Mead, which in turn affects the likelihood of surplus or shortage conditions in the future. The Bureau of Reclamation is projecting that there is a 0% chance of a shortage on the Colorado River in 2019, increasing to about 57% in 2020.

**Attachment: Water Supply Conditions Presentation**

<b>Budgeted (Y/N):</b> N	Budgeted amount: N/A	Core <u> X </u>	Choice <u>    </u>
<b>Action item amount:</b>	Line item:		
<b>Fiscal Impact (explain if unbudgeted):</b>			



## Water Supply Conditions

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

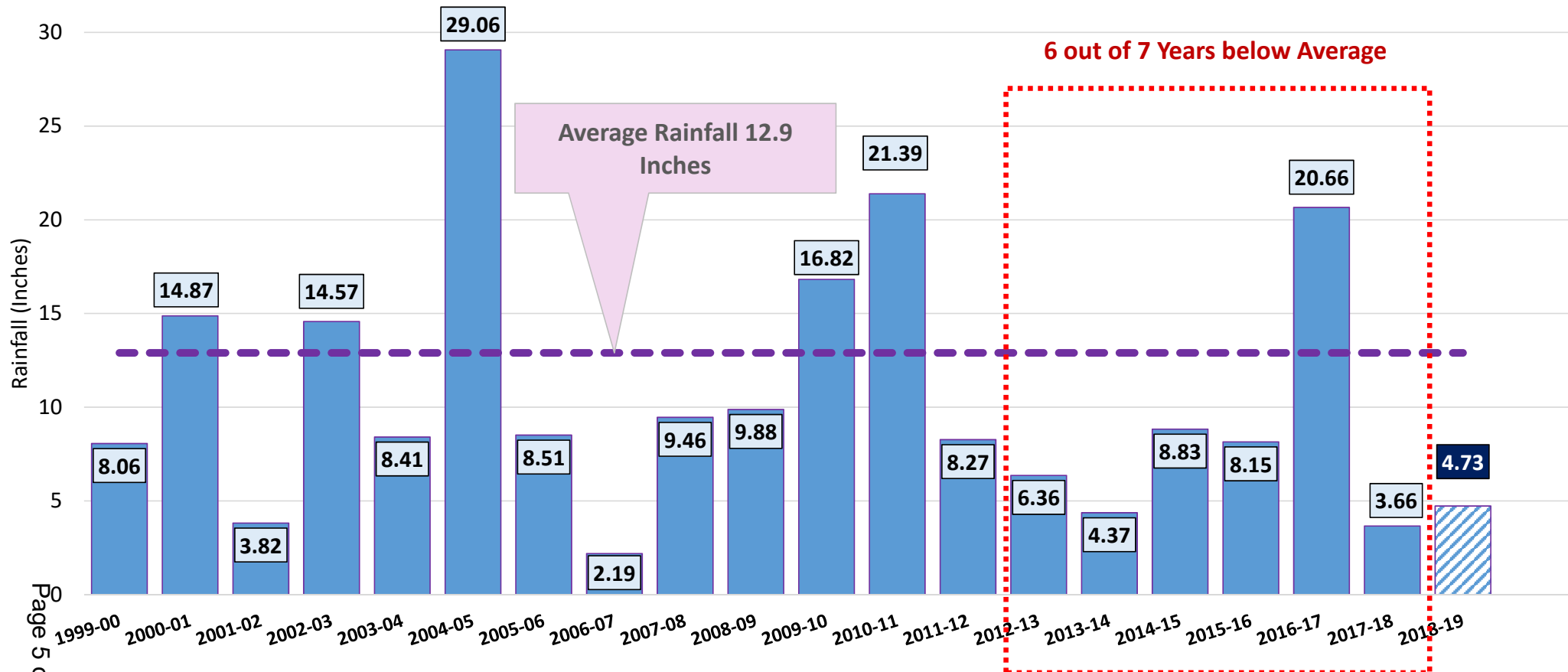
January 2<sup>nd</sup> 2019



# Santa Ana Precipitation



**Santa Ana Annual Precipitation Statistics (Fiscal Year July-June)**





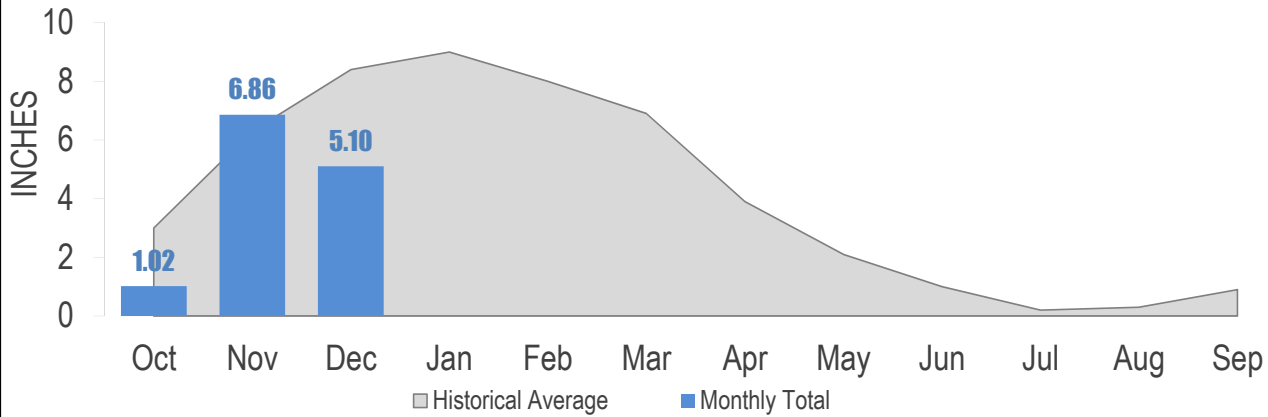
# Regional Weather and Water Supply Conditions

Insight to regional weather conditions that affect California's water supply

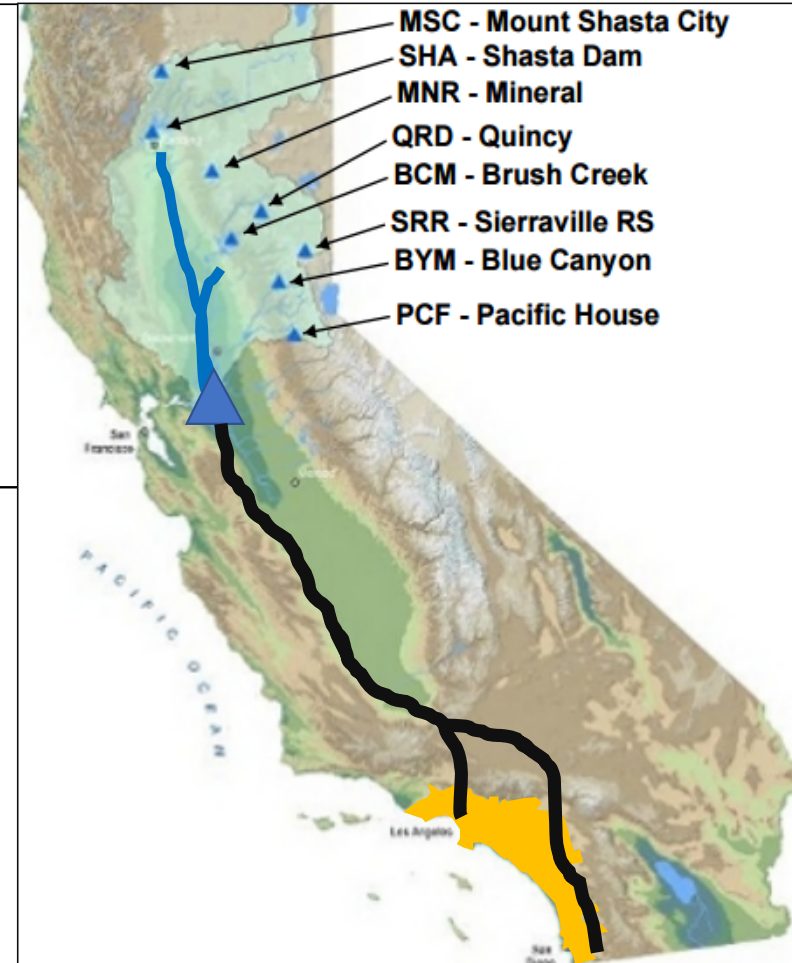
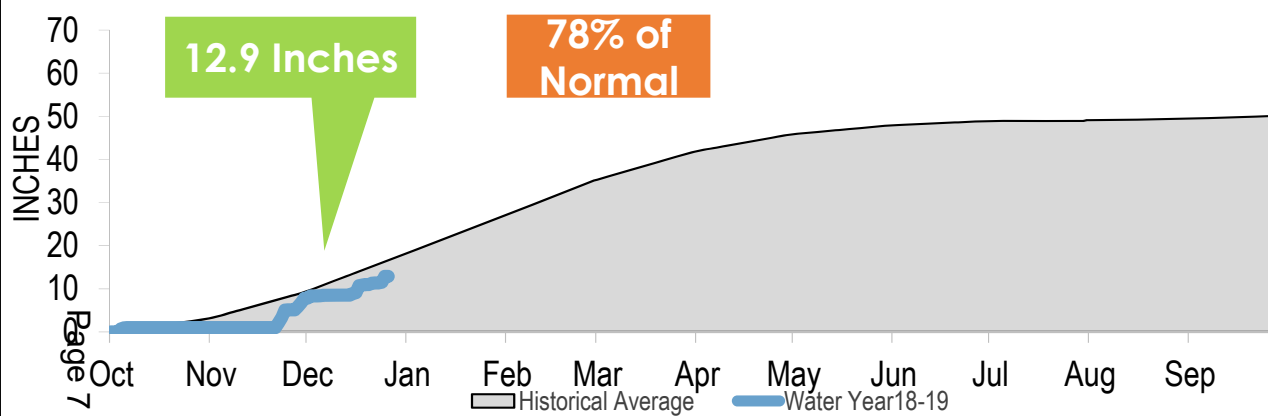
# Northern California Accumulated Precipitation



## Monthly Precipitation (8 Station Precip Index)



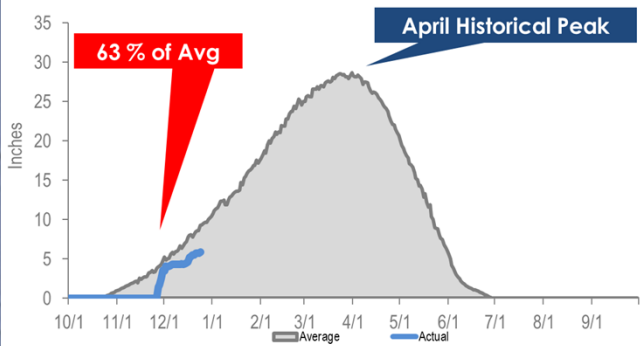
## Accumulated Precipitation (8-Station Precip Index)



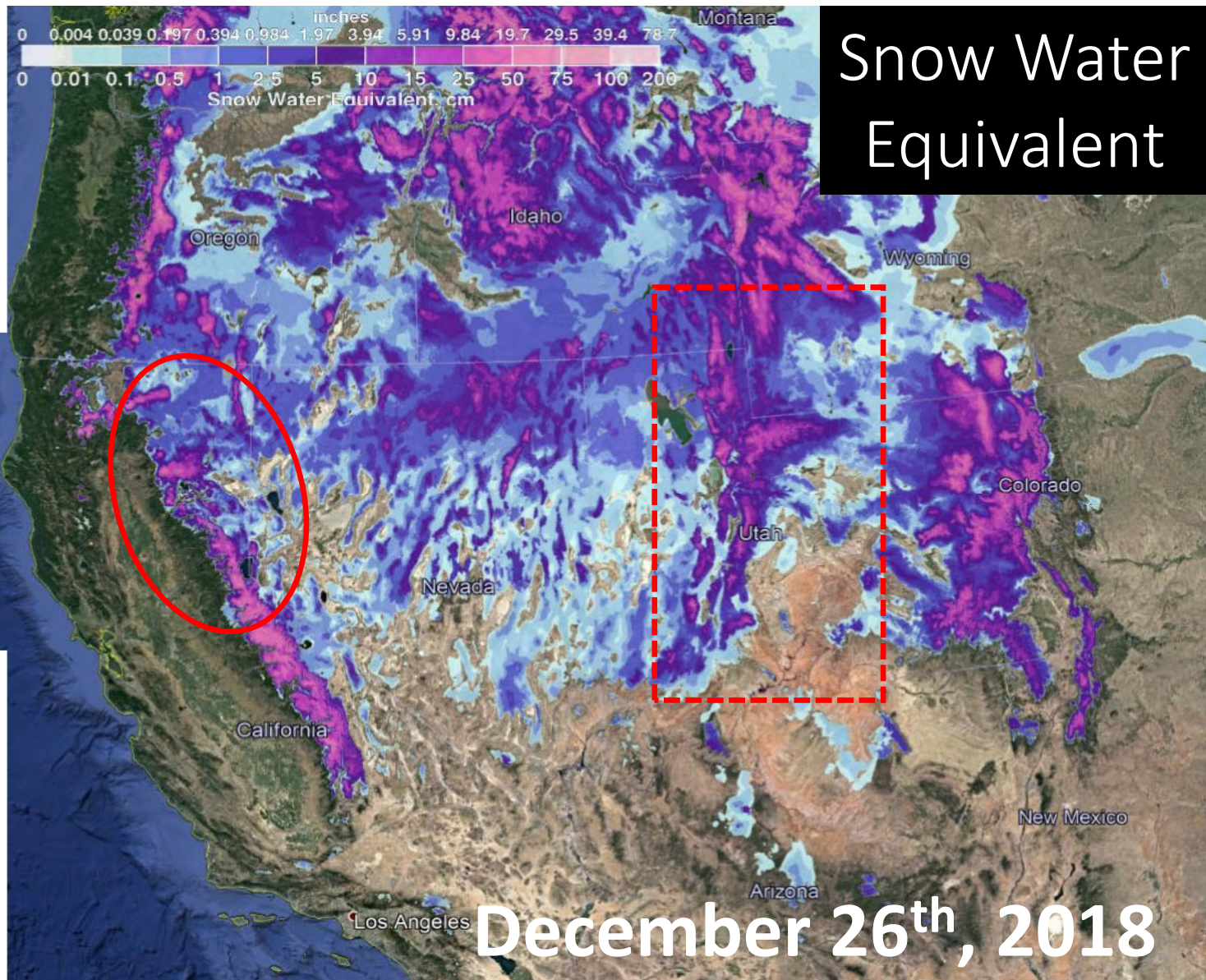
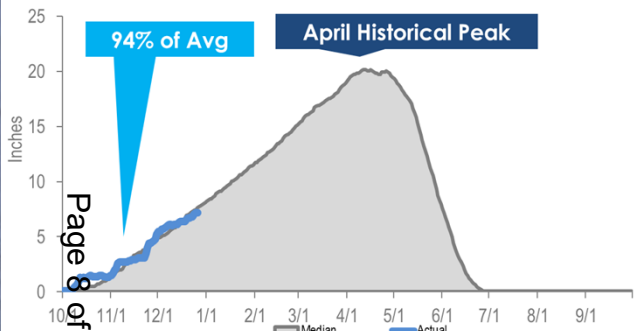


# Snow Water Equivalent

**Northern Sierra Snowpack Water Equivalent**

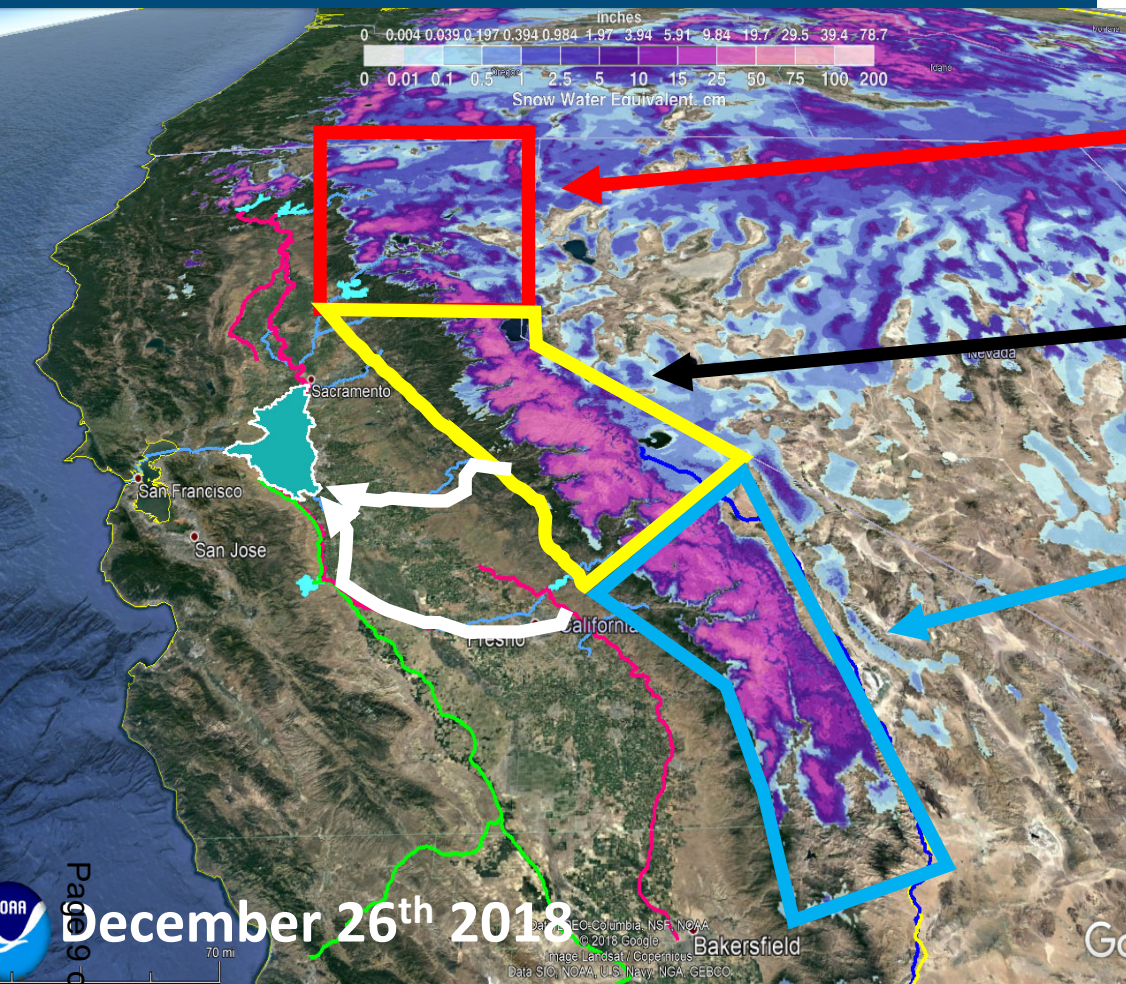


**Colorado River Basin Snowpack Water Equivalent**





# Sierra Nevada Snow Conditions



**Northern Sierra = 68 % of Normal**

**Central Sierra = 77 % of Normal**

**Southern Sierra = 81 % of Normal**



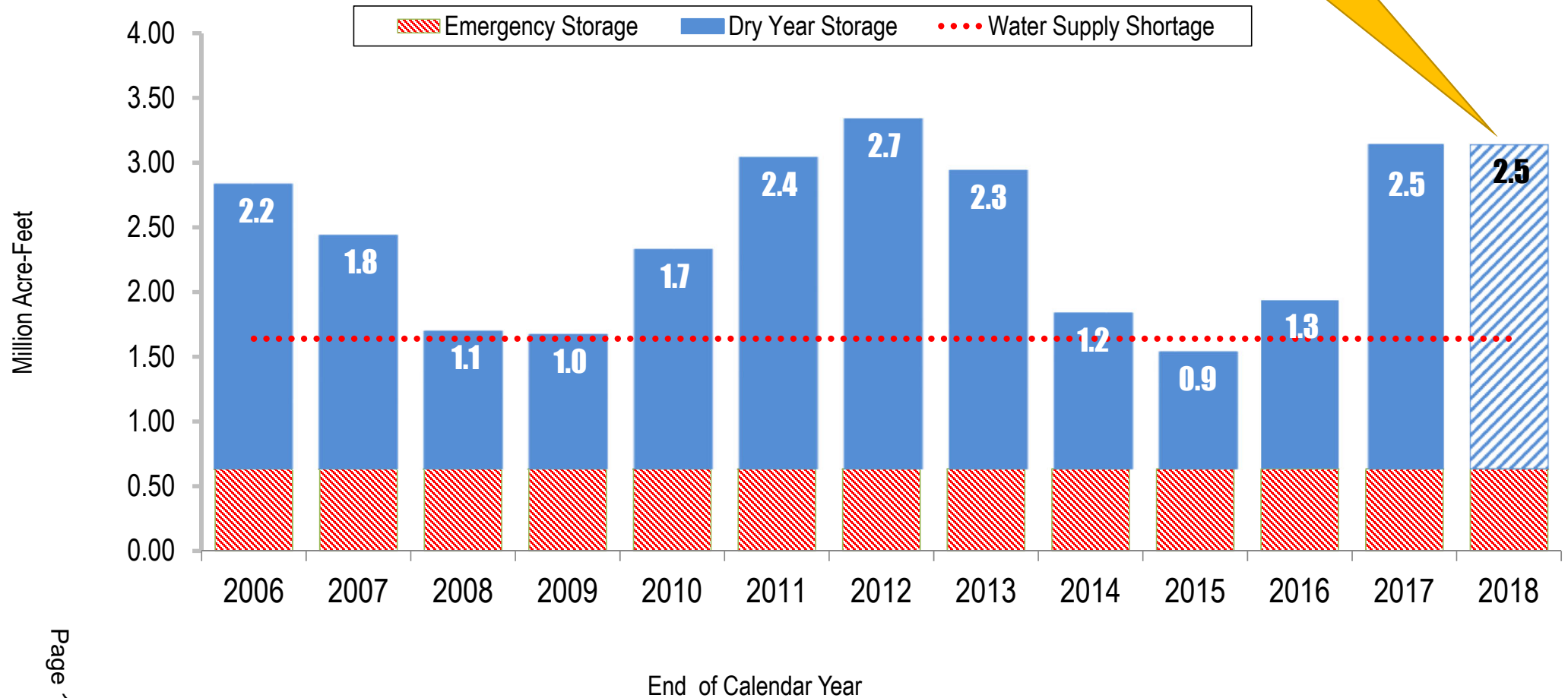


## MWD 2018 Water Storage

# MWD 2018 Estimated Water Storage



Preliminary Estimate  
(+/- 100 TAF)







Questions???



**DISCUSSION ITEM**

January 2, 2019

**TO: Board of Directors**

**FROM: Robert Hunter,  
General Manager**

Staff Contact: Harvey De La Torre  
Melissa Baum-Haley

**SUBJECT: PRESENTATION OF GROUNDWATER CONDITIONS IN THE  
METROPOLITAN SERVICE AREA**

**STAFF RECOMMENDATION**

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Staff recommends the Board of Directors review and discuss the information presented.

**COMMITTEE RECOMMENDATION**

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Committee recommends (To be determined at Committee Meeting)

**REPORT**

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The groundwater basins within the Metropolitan service area account for over one-third of regional supplies, which is made up of 88 groundwater basins and sub-basins and nearly 90% of these basins are adjudicated or managed. They are an essential part of Southern California reliability portfolio.

In an effort of integration, Metropolitan partners with local agencies to store excess imported water in groundwater basins for use in times of shortage. Metropolitan currently has nine storage programs with nearly 212 TAF of storage capacity which can store up to 53 TAF per year with a withdraw capacity of up to 71 TAF annually during shortage years. In fiscal year 2017/18, due to improved hydrologic conditions Metropolitan stored about 42 TAF in local groundwater storage accounts.

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

As discussed last month, the current Cyclic Storage Agreement allows for agencies to have pre-delivered replenishment water to be purchased at a later date. During fiscal year 2017/18, 120 TAF was delivered under the cyclic program.

Unfortunately, although much imported water was stored locally in 2018, groundwater storage overall is expected to be about the same as 2017. One good year cannot make up the decline of the last 20 years of low precipitation and recharge, which has resulted in a loss of groundwater storage of 1.1 MAF from 2000-2017. The current deficit in groundwater storage is about 0.8 MAF below the low end of the expected “healthy range”. Additional recharge is needed to maintain existing levels of groundwater production. Maintaining production is essential for achieving Metropolitan’s Integrated Resources Plan (2015 IRP) local supply target.

MWDOC has invited Metropolitan’s Matthew Hacker, Senior Engineer, System Analysis Unit, to provide a presentation of current groundwater conditions within the Metropolitan service area.

**Attachment: Presentation of Groundwater Conditions within the Metropolitan Service Area.**





# Groundwater Conditions within the Metropolitan Service Area

MWDOC Joint Board Workshop  
January 2, 2019

# Purpose

- Provide a summary of previous Board updates
- Update current groundwater conditions in the service area
  - Groundwater production
  - Groundwater recharge
  - Storage space
- Present groundwater conditions for individual basins

# Timeline of Previous Board Updates

- September 2007
  - Published Groundwater Assessment Report (Base Period 1986-2005)
- November 2011
  - Update on groundwater conditions
- February 2015
  - Update on groundwater conditions
- January 2018
  - Update on current groundwater conditions
- October 2018
  - Update on regional groundwater conditions



# Groundwater Basins in Service Area



- Groundwater is over 1/3 of regional supplies
- 89 percent of basins are adjudicated or managed

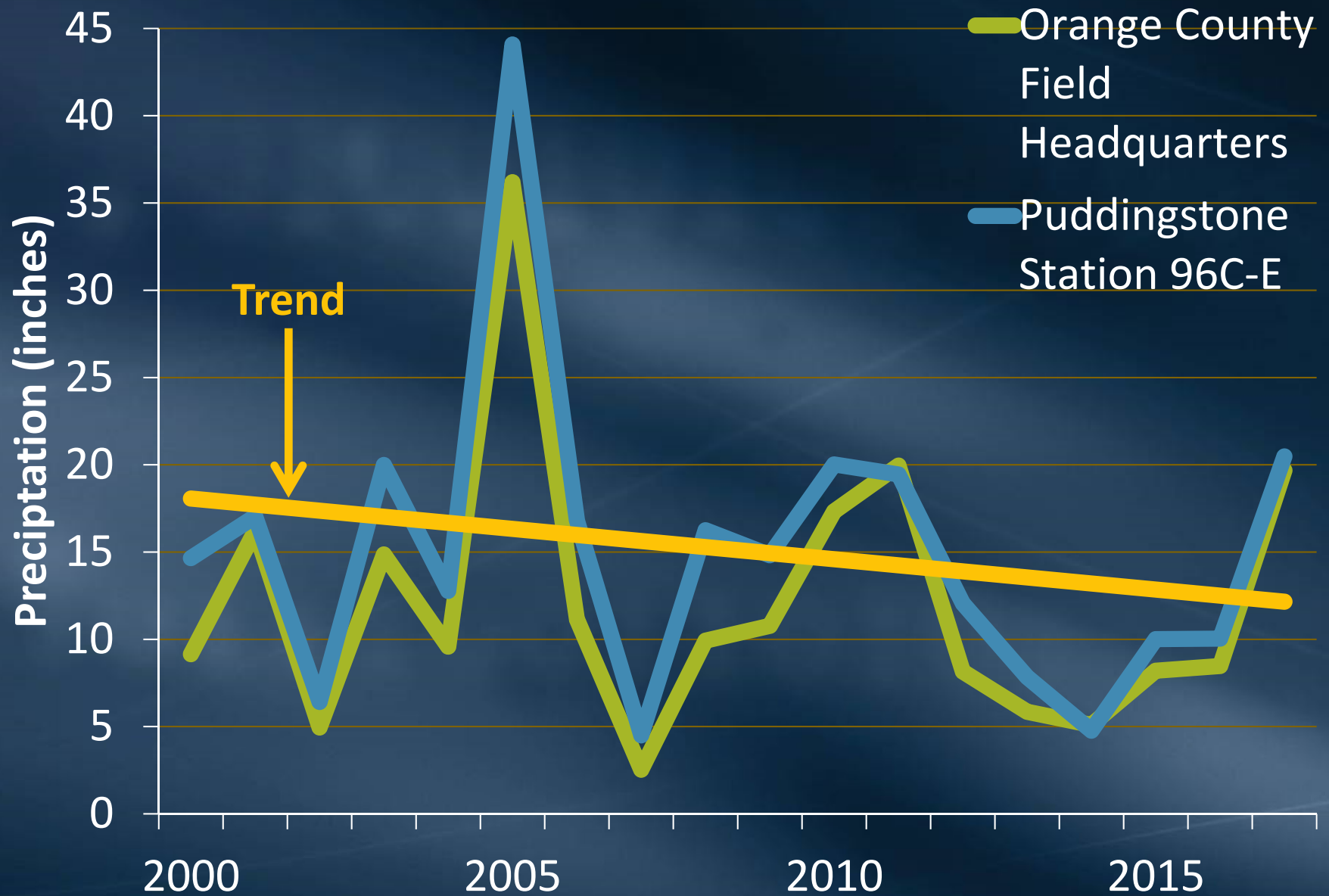
# Tracking of Groundwater Production

- Annually through local resource production surveys
- Information exchange with watermasters and member agencies
- Confirmation every 5 years through IRP and UWMP process

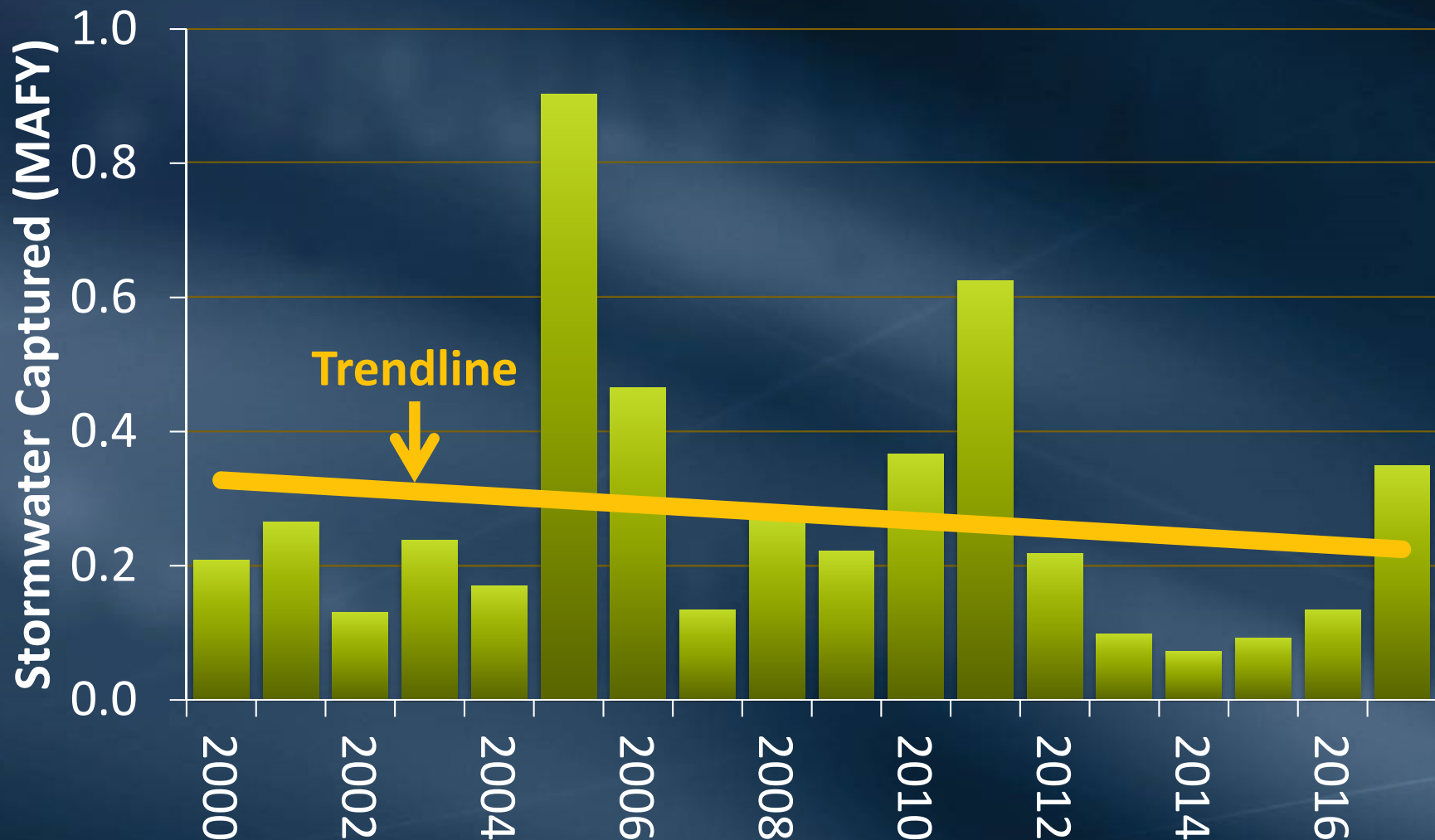
# Regional Overview



# Precipitation Declining

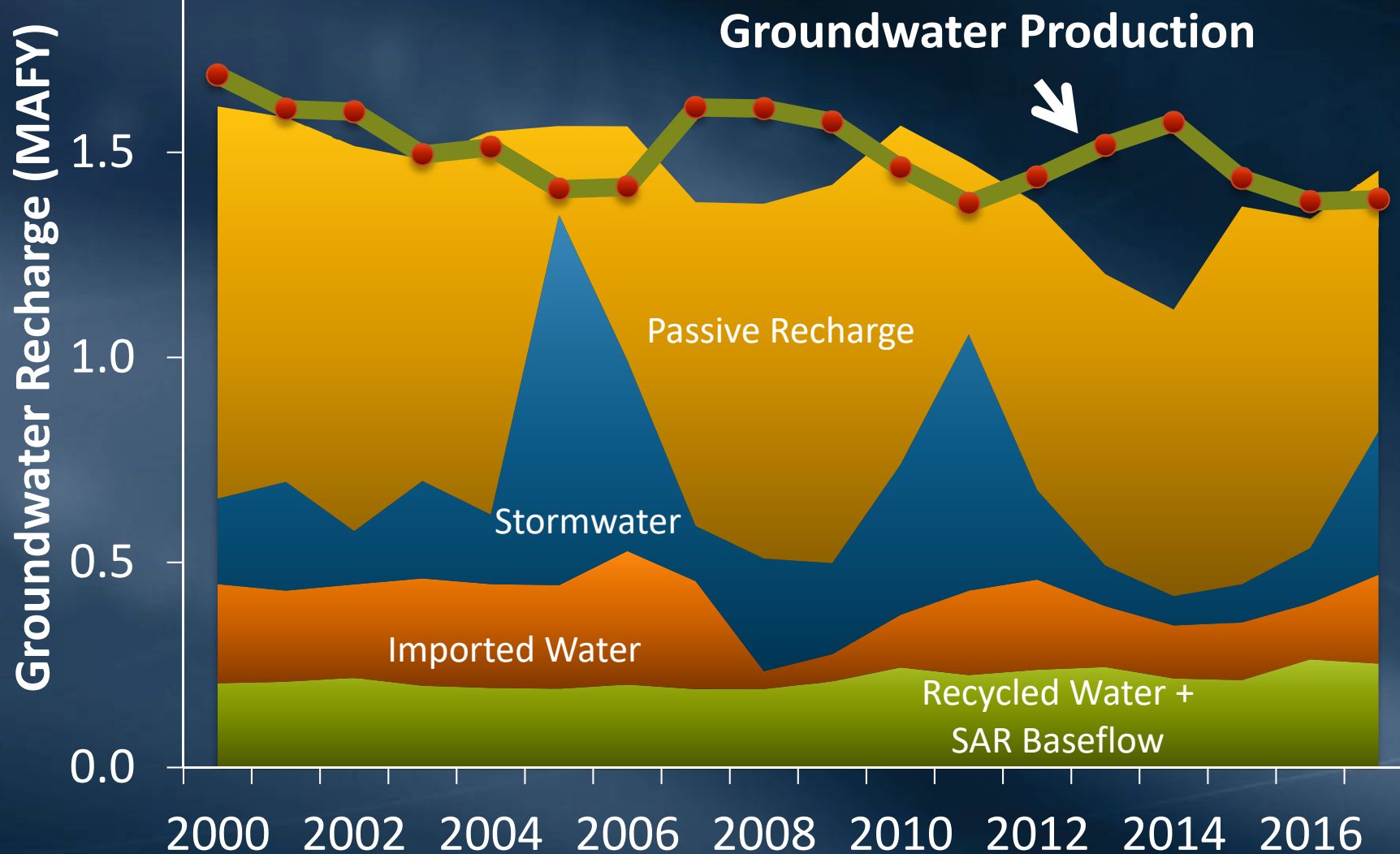


# Stormwater Recharge Recovers Some after Drought



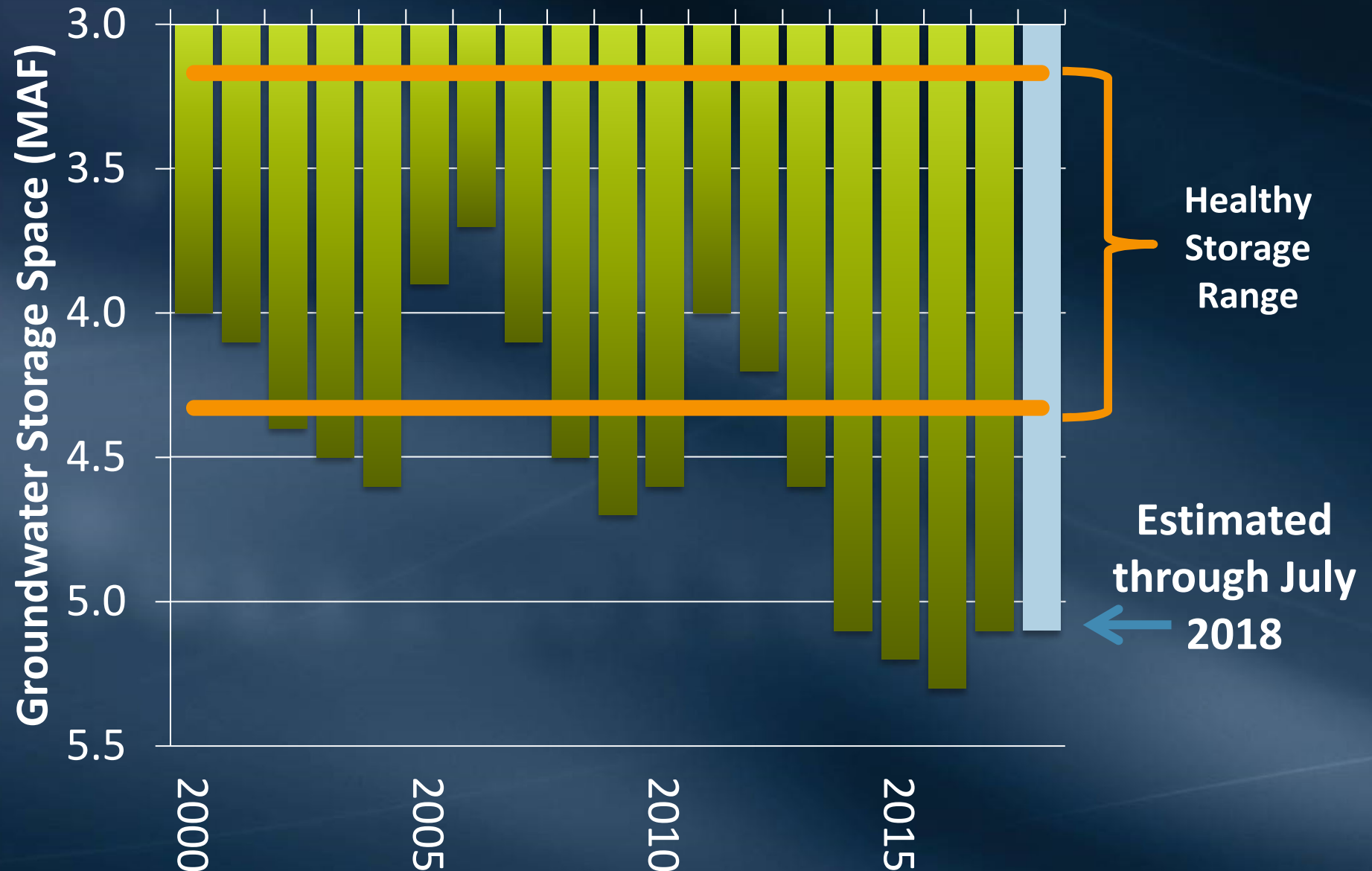
# Recharge declining since 2000

Deficit of 1.1 MAF since 2000





# Storage Remains at Unhealthy Levels





**DISCUSSION ITEM**  
January 2, 2019

**TO: Board of Directors**

**FROM: Robert Hunter,  
General Manager**

Staff Contact: Harvey De La Torre  
Melissa Baum-Haley

**SUBJECT: CALIFORNIA WATERFIX ACTIVITIES UPDATE**

**STAFF RECOMMENDATION**

---

Staff recommends the Board of Directors review and discuss the information presented.

**COMMITTEE RECOMMENDATION**

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Committee recommends (To be determined at Committee Meeting)

**REPORT**

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**Joint Powers Authorities**

The Delta Conveyance Design and Construction Authority (DCA) and Delta Conveyance Finance Authority meetings were held on December 20, 2018. At the DCA meeting, the treasurer, June Skillman, provided a Board letter for the approval of revisions to the FY 2018-19 budget. The source of funding for FY 2018-19 is the funding commitments by the members of the DCA Joint Powers Authority plus approximately \$29.83 million in funds from the Department of Water Resources (DWR). Funding commitments total \$133.57 million. The revised forecast of expenditures for FY 2018-19, taking into consideration the expected pace of activities, reduces the budget to \$61.88 million; forecasted funding sources are unchanged.

The next meeting of the DCA and Finance Authority Boards of Directors will be held on Thursday, January 17, 2019.

<b>Budgeted (Y/N):</b> N/A	Budgeted amount: None	Core <u>  X  </u>	Choice <u>    </u>
<b>Action item amount:</b> N/A	Line item:		
<b>Fiscal Impact (explain if unbudgeted):</b>			

### **Coordinated Operation Agreement**

On December 12, 2018 the DWR and the Bureau of Reclamation (Reclamation) signed an addendum to the 1986 Agreement Between the United States of America and DWR for the Coordinated Operation of the Central Valley Project and the State Water Project (COA, attached). The COA is the mechanism by which DWR and Reclamation allocate between the Central Valley Project and the State Water Project responsibility for meeting the regulatory requirements.

Within the COA, the agreement is amended to provide:

- Sharing of responsibility for meeting Sacramento Valley in-basin use with storage withdrawals during balanced water conditions range from wet to critically dry years (CVP 80% to 60% and SWP from 20% to 40% respectively).
- applicable export capacity when exports are constrained (Balanced conditions – CVP 65%, SWP 35%; Excess conditions – CVP 60%, SWP 40%).
- Sharing of applicable export capacity when exports are constrained (Balanced conditions – CVP 65%, SWP 35%; Excess conditions – CVP 60%, SWP 40%)
- The State will transport up to 195 TAF of Central Valley Project water through the California Aqueduct each year by direct diversion or by rediversion of stored Central Valley Project water at times those diversions do not adversely affect the State Water Project purposes or do not conflict with State Water Project contract provisions.
- Every five years, the parties shall (1) compare the relative success which each party has had in meeting its objectives, (2) review operation studies supporting this agreement, and (3) assess the influence of the factors and procedures in meeting each party's future objectives.

### **State Water Resources Control Board**

Regulatory requirements relating to flow and water diversions are included in the Bay-Delta Water Quality Control Plan (Bay-Delta Plan). The State Water Resources Control Board (State Board) is currently updating the Bay-Delta Plan through two separate processes. The first effort is focused on Lower San Joaquin River flows and Southern Delta salinity.

The State Board voted 4 to 1 last week to adopt the first phase of its disputed Bay-Delta Water Quality Control Plan, which requires districts along the Stanislaus, Tuolumne and Merced rivers to leave 30% to 50% of "unimpaired flows" in the San Joaquin River tributaries to help fish. Board member Dorene D'Adamo voted against the plan after offering amendments that were rejected by the full board.

The State Board vote had been postponed a month, to allow districts to negotiate voluntary plans with state agencies, and leaders of those agencies reported to the State Board that significant progress had been made. Nonetheless, irrigation districts along three Central California rivers say they will be suing the state of California following the vote.

The second effort, is focused on the Sacramento River and its tributaries, Delta eastside tributaries (including the Calaveras, Cosumnes, and Mokelumne rivers), Delta outflows, and interior Delta flows. The State Board is currently in the process of preparing proposed changes to the Bay-Delta Plan for the Sacramento/Delta as well as a supporting draft Report.



The draft Report will include a comprehensive analysis of the benefits and impacts of the proposed changes to the Bay-Delta Plan, including an assessment of alternatives, and will be made available for public review and comment. Based on the public comments, the State Board will make any needed changes to the Staff Report and proposed Sacramento/Delta updates to the Bay-Delta Plan and provide responses to comments. The final Report and proposed changes to the Sacramento/Delta updates to the Bay-Delta Plan will then be considered by the State Board at a public board meeting yet to be scheduled.

### **Delta Stewardship Council**

On December 7, 2018, DWR withdrew its Certification of Consistency for the California WaterFix. As a result, Delta Stewardship Council Executive Officer Jessica Pearson dismissed the appeals because they no longer raised issues before the Council. This action also lifted the ex parte restrictions that had prohibited its members and staff from working with the parties outside of the Council's appeals process.

In the withdrawal letter from DWR to the Delta Stewardship Council (attached), DWR states *"While DWR firmly believes the timing of filing the Certification of Consistency for WaterFix was appropriate based on the thorough record that had been prepared for the project and that this record more than adequately supports the findings that WaterFix is consistent with Delta Plan policies, DWR appreciates that there are unresolved issues related to interpretation of the requirements of the Delta Reform Act and Delta Plan policies."*

### **California Water Plan Update 2018**

The California Water Plan Update 2018 (Update 2018, Factsheet attached) provides recommended actions, funding scenarios, and an investment strategy to bolster efforts by water and resource managers, planners, and decision-makers. It reaffirms the State government's unique role and commitment to sustainable, equitable, long-term water resource management; it also introduces implementation tools to inform sound decision-making. The plan's broad and diverse portfolio of recommended actions address California's critical, systemic, and institutional challenges.

To implement Update 2018's recommended actions will require a \$90.2 billion investment over 50 years. Of this, \$77.8 billion is for financial and technical assistance to regional and local entities, \$9.7 billion for State-managed water infrastructure, and \$2.7 billion to resolve systemic challenges.

Most of the work must happen at regional and local scales. To advance regional sustainability, State government commits to supporting regional water agencies and organizations, and augmenting State investment in regional infrastructure and ecosystems. Approximately 86% of the recommended State funding (approximately \$78 billion) is to assist and empower local and regional managers to plan, fund, implement, and report on their accomplishments.

### **Additional Information**

Additional information on the Bay-Delta Issues can be found in *Issue Brief D - Bay Delta/State Water Project Issues* of the Discussion Item regarding Metropolitan Water District items critical to Orange County.

- Attachments: (1) Coordinated Operation of the Central Valley Project and the State Water Project**
- (2) Department of Water Resources WaterFix certification of consistency withdrawal letter**
- (3) Water Plan Update 2018 Factsheet**

**ADDENDUM TO  
THE AGREEMENT BETWEEN  
THE UNITED STATES OF AMERICA  
AND  
THE DEPARTMENT OF WATER RESOURCES  
OF THE STATE OF CALIFORNIA  
FOR COORDINATED OPERATION OF THE  
CENTRAL VALLEY PROJECT AND THE STATE WATER PROJECT**

This addendum to the 1986 Agreement Between the United States of America and the State of California for Coordinated Operation of the Central Valley Project and State Water Project ("Agreement") is entered into by the United States and the State of California, this 12 day of December, 2018, in light of the following:

**EXPLANATORY RECITALS**

After the execution of the Agreement in 1986, the United States added facilities to the Central Valley Project, including the Red Bluff Pumping Plant and Fish Screen and the Delta Mendota Canal California Aqueduct Intertie.

After the execution of the Agreement in 1986, the State added facilities to the State Water Project, including the Barker Slough Pumping Plant and the Harvey O. Banks Pumping Plant 4-pump expansion.

In 1995 and 2006 the California State Water Resources Control Board established New Delta Standards.

Implementation of New Delta Standards imposed restrictions on the operations of the Central Valley Project and the State Water Project, including new restrictions on Delta exports by the United States and the State and new Delta outflow for the protection of aquatic species in the Delta.

After execution of the Agreement in 1986, biological opinions for the coordinated operations of the Central Valley Project and State Water Project were issued pursuant to the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.) that further restricted operations of the Projects and affected the ability of the United States and the State to achieve their respective water supply objectives.

The United States and the State have heretofore shared responsibility for meeting New Delta Standards and export capacity when exports were constrained by biological opinions for the coordinated operations of the Central Valley Project and the State Water Project through agreements reached between operators of the Central Valley Project and operators of the State Water Project.



The United States and the State have determined that periodic review pursuant to Article 14 of the Agreement would promote achieving their respective water supply objectives considering the New Delta Standards and the restrictions imposed under the Endangered Species Act.

NOW, THEREFORE, it is agreed:

1. Article 6(c) of the Agreement is amended to provide:

(c) Sharing of Responsibility for Meeting Sacramento Valley Inbasin use With Storage Withdrawals During Balanced Water Conditions: Each party's responsibility for making available storage withdrawals to meet Sacramento Valley inbasin use of storage withdrawals shall be determined by multiplying the total Sacramento Valley inbasin use of storage withdrawals by the following percentages:

	<u>United States</u>	<u>State</u>
Wet Years	80%	20%
Above Normal Years	80%	20%
Below Normal Years	75%	25%
Dry Years	65%	35%
Critical Years	60%	40%

The water year classifications described in this Article 6(c) shall be based on the Sacramento Valley 40-30-30 Index as most recently published through the Department of Water Resources' Bulletin 120.

In a Dry or Critical Year following two Dry or Critical Years, the United States and State will meet to discuss additional changes to the percentage sharing of responsibility to meet inbasin use.

2. A new Article 10(i) is added to the Agreement to provide:

(i) Sharing of Applicable Export Capacity When Exports are Constrained: During periods when exports are constrained by non-discretionary requirements imposed on the Central Valley Project and the State Water Project South Delta exports by any federal or state agency, applicable export capacity shall be shared by the following percentages:

	<u>United States</u>	<u>State</u>
Balanced Water Conditions	65%	35%
Excess Water Conditions	60%	40%

3. Article 10(b) of the Agreement is amended to provide:

(b) The State will transport up to 195,000 acre-feet of Central Valley Project water through the California Aqueduct Reaches 1, 2A, and 2B no later than November 30 of each year by direct diversion or by rediversion of stored Central Valley Project water at times those diversions do not adversely affect the State Water Project purposes or do not conflict with State Water Project contract provisions. The State will provide available capacity at the Harvey O. Banks Pumping Plant ("Banks") to the Central Valley Project to divert or redivert 195,000 acre-feet when the diversion capacity at the south Delta intake to Clifton Court Forebay is in excess of 7,180 cubic feet per second during the July 1 through September 30, except when the Delta is in Excess Water Conditions during July 1 through September 30, the diversion capacity at the south Delta intake to Clifton Court Forebay in excess of 7,180 cubic feet per second shall be shared equally by the State and the United States. This Article does not alter the Cross-Valley Canal contractors' priority to pumping at the Harvey O. Banks Pumping Plant, as now stated in Revised Water Rights Decision 1641 (March 15, 2000).

4. Pursuant to Article 11, Exhibit A will be updated to conform with Delta standards established by the State Water Resources Control Board in the 1995 Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary.

5. Exhibit B shall be updated based on a joint operations study of the amendments as agreed to in this addendum.

6. Article 14(a) of the Agreement is amended to provide:

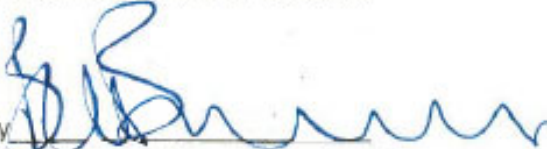
(a) Prior to December 31 of the fifth full year following execution of this agreement, and before December 31 of each fifth year thereafter, or within 365 days of the implementation of new or revised requirements imposed jointly on Central Valley Project and State Water Project operations by any federal or state agency, or prior to initiation of operation of a new or significantly modified facility of the United States or the State or more frequently if so requested by either party, the United States and the State jointly shall review the operations of both projects. The parties shall (1) compare the relative success which each party has had in meeting its objectives, (2) review operation studies supporting this agreement, including, but not limited to, the assumptions contained therein, and (3) assess the influence of the factors and procedures of Article 6 in meeting each party's future objectives. The parties shall agree upon revisions, if any, of the factors and procedures in Article 6, Exhibits B and D, and the Operation Study used to develop Exhibit B.

7. A new Article 14(c) is added to the Agreement to provide:

(c) For any triggering event requiring review under Article 14 that occurs after December 15, 2018, either party may move directly to the Advisory Board process. The

Advisory Board, consisting of one member designated by each party and a third member chosen by both parties, shall report its unanimous recommendations to both parties at a date not to exceed 180 days from which the matter was referred to the Advisory Board and the parties shall amend this agreement and immediately begin to operate in accordance with the recommendation. If the Advisory Board fails to make unanimous recommendations with the 180 day period, either party may unilaterally terminate this agreement.

THE UNITED STATES OF AMERICA

By 

Commissioner, Bureau of Reclamation

THE DEPARTMENT OF WATER RESOURCES  
OF THE STATE OF CALIFORNIA

By 

Director, Department of Water Resources



**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



December 7, 2018

Mr. Randy Fiorini, Chair  
Delta Stewardship Council  
980 Ninth Street, Suite 1500  
Sacramento, California 95814

Re: Certification of Consistency for the California WaterFix - C20185

Dear Chair Fiorini:

On November 15, 2018, the Delta Stewardship Council (Council) held a workshop on the staff-prepared Draft Determination Regarding Appeals of the Certification of Consistency for the California WaterFix. At the workshop, after receiving comments on the staff's draft Determination, you encouraged the Department of Water Resources (DWR) to "consider withdrawing the Certification of Consistency." In your statement you relayed your conclusions that DWR has "filed its Certification of Consistency before it was ready to demonstrate consistency with the Delta Plan."

While DWR firmly believes the timing of filing the Certification of Consistency for WaterFix was appropriate based on the thorough record that had been prepared for the project, and that this record more than adequately supports the findings that WaterFix is consistent with the Delta Plan Policies, DWR appreciates that there are unresolved issues related to interpretation of the requirements of the Delta Reform Act and Delta Plan policies. Therefore, DWR is hereby withdrawing the Certification of Consistency for WaterFix that was filed on July 27, 2018. As a part of this withdrawal, DWR requests that the Council dismiss all appeals of the WaterFix certification of consistency that were deemed timely filed on August 27, 2018.

Sincerely,

A handwritten signature in blue ink, appearing to read "Karla A. Nemeth".

Karla A. Nemeth  
Director

cc: Gary Lippner, Deputy Director, Delta Conveyance Office, Department  
of Water Resources  
DSC WaterFix Service List (October 11, 2018)

# Water Plan Update 2018: Investing in a Shared Vision for California's Water Future



California Water Plan Update 2018 (Update 2018) provides recommended actions, funding scenarios, and an investment strategy to bolster efforts by water and resource managers, planners, and decision-makers to overcome California's most pressing water resource challenges. It reaffirms State government's unique role and commitment to sustainable, equitable, long-term water resource management; it also introduces implementation tools to inform sound decision-making. The plan's broad and diverse portfolio of recommended actions address California's critical, systemic, and institutional challenges.



## What are the most critical challenges?

The story of water in California is a tale of having too little water or too much water. These conditions affect the integrity and the security of essential water, transportation, and other utility infrastructure, as well as fish, wildlife, and ecosystems.

Challenges for California's water future include:

- One in five Californians lives in a floodplain (more than \$580 billion in assets are at risk).
- Thousands of Californians lack access to safe, clean water and adequate sanitation.
- Many ecosystems and the services they provide continue to decline.
- Groundwater overdraft and unreliable water supplies persist in some regions.
- Extensive tree mortality and persistent drought have resulted in the most destructive wildfires in the state's history and in devastating mudslides.
- Climate change is exacerbating many critical challenges, including flood risk, reduced water supply, and wildfire.



Some communities that are proactively planning and investing in water management strategies have shown resilience. At the same time, many communities remain vulnerable – those with limited resources and insufficient technical, managerial, and financial capacity to manage water resources.

## What is the shared vision for California's water future?

Update 2018 presents a vision where all Californians benefit from such desirable conditions as reduced flood risk, more-reliable water supplies, reduced groundwater depletion, and greater habitat and species resiliency – all for a more sustainable future.

Planning and policy priorities will have a mutual understanding of resource limitations, management deficiencies, and shared intent – with a focus on sustainability and actions that result in greater public health and safety; healthy economy; ecosystem vitality; and cultural, spiritual, recreational, and aesthetic experiences.

In this vision, investments result in intended outcomes through the application of adaptive management by first focusing and agreeing on the end in mind and then





recommending and implementing actions. Learning and adaptation cycles strengthen decision-making, maximize return on investment, and support proactive management.

## What needs to be done to attain this vision?

Accomplishing this vision will require systemic changes to the way decisions are made, water is regulated, investments are funded, and progress is tracked, as framed by Update 2018's goals.

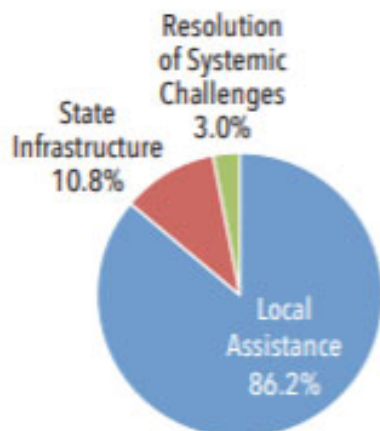
- Improve Integrated Watershed Management.
- Strengthen Infrastructure Resiliency & Operational Flexibility.
- Restore Critical Ecosystem Functions.
- Empower Under-Represented or Vulnerable Communities.
- Improve Alignment & Address Regulatory Challenges.
- Support Decision-Making, Adaptive Management & Planning.

Update 2018 recommends actions that must be taken immediately to address California's critical challenges. Successful implementation of Update 2018 requires early authorizations and funding, as well as a sustained commitment by State and local water managers to foster and sustain partnerships.

Collaboration and planning across water management sectors – flood, water supply reliability, groundwater, water quality, ecosystems, and people and water (i.e., recreation, social and cultural uses; aesthetics) – is essential to achieving the goals.

## How much will it cost?

To implement Update 2018's recommended actions will require a \$90.2 billion investment over 50 years.



Of this, \$77.8 billion is for financial and technical assistance to regional and local entities, \$9.7 billion for State-managed water infrastructure, and \$2.7 billion to resolve systemic challenges.

## What will it take to implement the plan?

Most of the work must happen at regional and local scales. Regional agencies and organizations have extensive knowledge of their watersheds and communities. To advance regional sustainability, State government commits to supporting regional water agencies and organizations, and augmenting State investment in regional infrastructure and ecosystems. Approximately 86 percent of the recommended State funding (approximately \$78 billion) is to assist and empower local and regional managers to plan, fund, implement, and report on their accomplishments.

Over the long term, implementing Update 2018 will strengthen adaptive planning and management through increasingly robust data, knowledge, and guidance for effective State policy, priority investments, and financing options.

## How can I get involved?

The California Department of Water Resources has integrated input from State, regional, Tribal, and local entities; water managers; policy-makers; planners; stakeholders; and the public in Update 2018. You can have your voice heard by commenting on the public review draft of Update 2018.

Further, there are a number of ways to participate in current and future [Water Plan updates](#).

- Subscribe to [California Water Plan eNews](#).
- Participate in Policy Advisory Committee meetings; all meetings are open to the public.
- Participate in the annual Water Plan plenary.
- Provide public comments on released documents or meetings.

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## Useful links:

### California Water Plan Update 2018

<https://water.ca.gov/Programs/California-Water-Plan/Water-Plan-Updates>

### California Water Plan Participation

<https://water.ca.gov/Programs/California-Water-Plan/Water-Plan-Participation>

### California Water Plan eNews

<https://water.ca.gov/Programs/California-Water-Plan>

December 2018



**DISCUSSION ITEM**  
January 2, 2019

**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

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



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

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The Department of Water Resources (DWR) in December set the initial State Water Project (SWP) "Table A" allocation at 10%. This allocation provides Metropolitan with approximately 191,150 AF in SWP deliveries this water year. DWR's approval considered several factors including existing storage in SWP conservation reservoirs, SWP operational regulatory constraints, and the 2019 contractor demands.

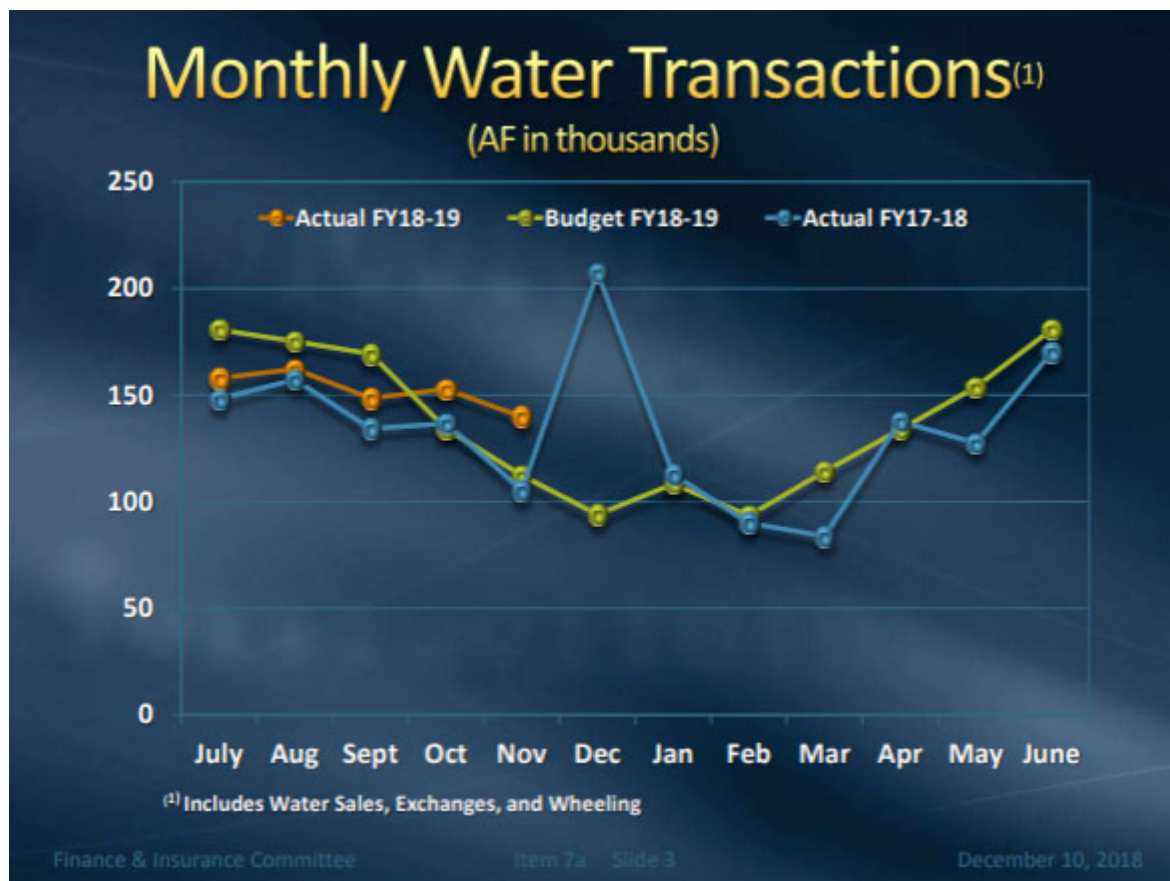
On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. As of December 26, 2018, snowpack measured at 94% of normal for that date. The ongoing decline in the Colorado River watershed has impacted storage levels in Lake Powell and Lake Mead, which in turn affects the likelihood of surplus or shortage conditions in the future. The Bureau of Reclamation is projecting that there is a 0% chance of a shortage on the Colorado River in 2019, increasing to about 57% in 2020.

With estimated total demands and losses of 1.63 million acre-feet (MAF), 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.

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

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Water transactions through November were 10.6 TAF (\$16.5 million) lower than budget and 84.8 TAF higher than the 5-year average. The lower than budget is a result of reduced treated water transactions. However, water transactions and revenues are 79.3 TAF and \$50.5 million above last year's actuals as a result of increased untreated water transactions.



## **ISSUE BRIEF # C**

**SUBJECT: Colorado River Issues**

### **RECENT ACTIVITY**

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#### **Drought Contingency Plan Development**

Since the October 10 posting of the four interstate Drought Contingency Plan (DCP) agreements on the Bureau of Reclamation's website, representatives of water users and all seven Colorado River Basin States have been working to provide information and get feedback on the proposed DCP agreements through public meetings, updates to governing boards and briefings of legislators. <https://www.usbr.gov/dcp/>.

In addition to the public outreach and input on the interstate DCP agreements, extensive work to develop necessary intrastate implementation agreements have occurred in both the Upper Colorado River and Lower Colorado River Basins (Lower Basin). Metropolitan has reached final agreement terms for implementation of the Lower Basin DCP in California with other Colorado River contractors in California, including Imperial Irrigation District, Palo Verde Irrigation District and Coachella Valley Water District. The intrastate process in Arizona has included working through a range of complicated and controversial issues within that state. Representatives of the state of Arizona and Central Arizona Water Conservation District continue to diligently pursue resolution of the issues needed to get to an agreement for intrastate implementation of the Lower Basin DCP, however, the Arizona parties have not yet reached consensus on intrastate agreement terms.

Both of Nevada's signatory governing entities gave their staff authority to sign the interstate DCP agreements. The Colorado River Commission of Nevada approved signing the DCP agreements at its November 13, 2018 meeting, followed by the Southern Nevada Water Authority's approval on November 15, 2018. Metropolitan and the other California entities are in the process of getting board approval of the DCP agreements.

On December 13, at the Colorado River Water Users Association meeting, the Bureau of Reclamation Commissioner, Brenda Berman, stated that the basin states have until January 31 to sign the agreements. If unsigned by then, Arizona and California will have 30 days to submit their draft plans to the Bureau and the Bureau will complete the plans at their discretion.

#### **IID General Manager Resigns**

On November 26, IID announced that its longtime general manager, Kevin Kelly, will be resigning from IID, effective December 31 of this year. Mr. Kelly served as general manager for the agency since 2011, and worked to improve IID's relationship with Metropolitan during his tenure.

## ISSUE BRIEF # D

**SUBJECT: Bay Delta/State Water Project Issues**

### **RECENT ACTIVITY**

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#### **Science Activities**

On November 4-8, Metropolitan staff attended and gave a presentation at the North American Society of Environmental Toxicology and Chemistry 39th Annual meeting in Sacramento. The meeting covers the current research on contaminant effects and management of contaminants. Metropolitan staff collaborated with researchers from UC Davis and state and federal fish agencies to conduct a study investigating factors that affect Delta smelt health and reproductive condition. The conference presentation, titled "Multiple stressor impacts from the San Francisco Estuary on the reproductive health of the threatened Delta smelt, *Hypomesus transpacificus*," reported that poor nutrition and health status of Delta smelt resulted in poor reproductive status. Study results also indicated that actions that would improve prey and reduce contaminants would significantly benefit Delta smelt.

Metropolitan staff, in collaboration with researchers from the U.S. Geological Survey, ICF, RMA and San Francisco State University, is conducting an intensive field sampling for longfin smelt. The objective of the study is to quantify the stratification of longfin smelt due to water clarity. The results of the field study are expected early next year, and may explain the survey bias identified by researchers such as Dr. James Patterson at Oregon State University.

Metropolitan staff is working with Tetra Tech to characterize the Delta outflow and salinity intrusion conditions in the early 20th century, in comparison with the conditions prior to when the Central Valley Project and State Water Project were built. This effort relies on the C&H Sugar Company barge travel data and the Delta monthly inflow data published in early DWR bulletins. Re-constructed June through September Delta outflow, when normalized to unimpaired spring runoff conditions, was found to be systematically higher than subsequent pre-Shasta Dam (i.e. pre-project) summer outflow. Given known anthropogenic changes that were occurring during the early 20th century, including upstream irrigation development (particularly rice cultivation) and reservoir construction, increased summer water use is a reasonable explanation for this observed difference. However, this explanation was found to be incomplete and this observed difference can be partially attributed to other hydrologic drivers. This work was unable to detect a change in the system's flow-salinity response during this period; therefore, resulting trends in seawater intrusion are attributed primarily to changes in hydrology.

Metropolitan staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team (CAMT). In November, CAMT considered options for developing a salmon science plan and a list of recommended salmon actions for CSAMP engagement. CAMT also received an update on the development of a Delta Smelt Science Plan.



**Delta Flood Emergency Management Plan**

In recent months, DWR has completed all planned rock deliveries to major DWR storage facilities at Stockton and Rio Vista. In addition to these stockpiles, DWR is placing containerized flood fight materials at Brannon Island near the central Delta, and is considering dispersing materials to other Delta locations. DWR has issued grants for local remedial stockpiles in the Delta through counties in coordination with reclamation districts. Communications for flood fighting operations have been facilitated by installation of a communication tower at Twitchell Island. The Delta Flood Emergency Management Plan is undergoing final internal and executive level review at DWR prior to completion.

**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**

Poseidon continues working with the Santa Ana Regional Water Quality Control Board (SARWQCB) to renew and update its existing National Pollution Discharge Elimination System permit and comply with new regulations (referred to as the Ocean Plan Amendment) which were approved by the State Water Resources Control Board in May 2015.

On October 1, 2018 SARWQCB notified Poseidon that their application for a revised ocean discharge diffuser design, which was required by the Ocean Plan Amendment, was complete. This was the second time the Regional Board notified Poseidon that its application was complete (the previous notification was on August 28, 2017). The Permit Streamlining Act (PSA) requires a responsible agency to approve or disapprove of an application within 180 days. Poseidon maintains that their application is subject to the PSA, while SARWQCB contends that this application is not subject to the PSA.

Subsequently on December 6, 2018 SARWQCB notified Poseidon that Regional Board staff concluded that Poseidon has not adequately demonstrated that the use of slant well technology is infeasible at the Huntington Beach site, despite the previous notifications and meetings with Regional Board staff. Poseidon has rebutted the Regional Board's conclusion in a response letter dated December 11, 2018.

Poseidon expects the SARWQCB to act on its permit in the next four to six months. Assuming approval, Poseidon would then seek a permit from the California Coastal Commission in 2019.

## **ISSUE BRIEF # F**

**SUBJECT: Orange County Reliability Projects**

### **RECENT ACTIVITY**

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

MWDOC staff and CDM Smith have released the final draft of the 2018 OC Water Reliability Study which was provided to the Board for a 'receive and file' action on December 19<sup>th</sup>. All letters and comments on the report have been received and summarized.

#### **Next Steps**

The next steps include the following:

1. Complete additional work on the Carson Project and its reliability implications in Orange County (includes work between MWDOC and OCWD)
2. Complete additional analysis on the Strand Ranch Integrated Water Banking Program using the results of the study
3. Develop a list of items to advocate for at MET with respect to the next MET IRP update based on comments coming out of our study
4. Complete additional work on systems integration for local water in SOC (includes water quality issues, chloramination facilities, reversing flow of systems, building in redundancies, metering of low flow water, base-loading of projects, etc.).
5. Integrate the results of the recent workshop regarding integration of local projects into the Orange County water system.
6. Work with OCWD on the SARCCUP Project to determine the potential uses of the extraordinary supplies developed through the project and how they can best be used in Orange County.

## ISSUE BRIEF # G

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

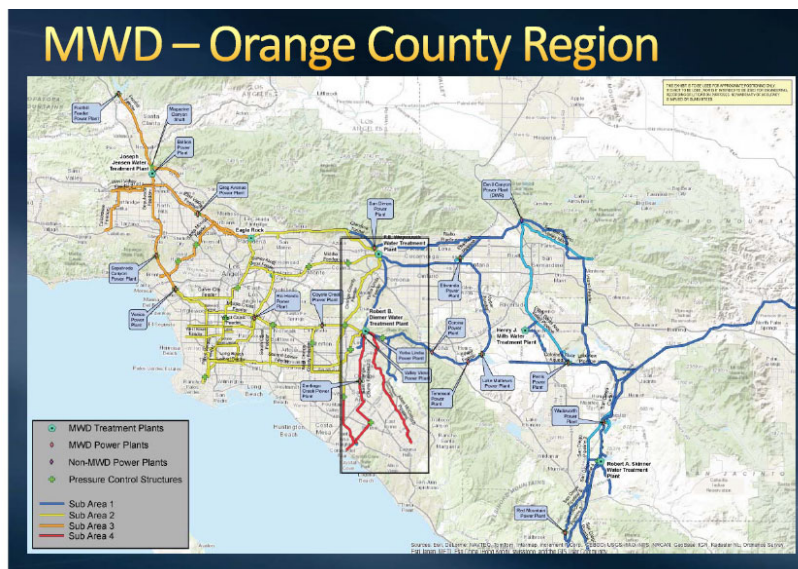
### **RECENT ACTIVITY**

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

MWDOC has been meeting with MET staff to discuss various aspects of using the EOCF#2 to convey other sources of local water. This concept can include ocean desalination projects, and/or other local projects such as the groundwater pump-in to the EOCF#2.

On August 31, 2018, MWDOC hosted a Water System Operations and Integration Workshop attended by technical staff from: MET's Water Quality team, MWDOC member agencies, and consultants. The workshop focused on the possible integration of multiple treated water sources into the OC water distribution system; particularly in the lower reaches of EOCF#2. The collaborative discussion identified a number of potential issues for follow-up. Staff and our consultant, Ed Means, are working through the workshop recommendations to develop a plan to address these issues.

On October 17, 2018 MWDOC staff met with members of MET's Facilities Planning team to discuss the capabilities of and experiences with MET's water distribution system model (which is principally a hydraulic model). MWDOC staff began a discussion about the possibilities of leveraging the existing MET model data for inclusion into an OC water distribution model. The OC model concept is envisioned to include distribution pipelines in OC such as EOCF#2, AMP, Joint Regional Water Supply System (JWRSS), and South County Pipeline. The OC model concept would also include a water quality module to assist with the development of solutions to the issues identified during the Water Systems Operations and Integration Workshop. MET staff was generally favorable to the idea of sharing information, and are currently evaluating a number of possible alternatives that will be discussed with MET executive management.





## **ISSUE BRIEF # H**

**SUBJECT: South Orange County Projects**

### **RECENT ACTIVITY**

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#### **Doheny Desal Project**

South Coast WD submitted a grant application for up to \$20 million for project construction through Bureau of Reclamation 'Water SMART: Desalination Construction Projects under the WIIN Act'. Applications are currently being reviewed. MWDOC participated in a phone conference call with South Coast Water District to provide a briefing to the Deputy Commissioner Harrison and to make her aware of the grant application.

South Coast staff and consultants are in the process of responding to comments submitted regarding the EIR for the project. South Coast WD anticipates adopting the response to comments in early 2019.

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

This project involves the construction of a 5,000-acre-foot recycled water storage reservoir and the various complementary facilities to support this reservoir. The construction of the Trampas Canyon Recycled Water Seasonal Storage Reservoir consists of three main components:

- 1) Trampas Canyon Dam (Dam)
- 2) Conveyance facilities to transport recycled water into and out of the Reservoir (Pipelines)
- 3) Trampas Canyon Pump Station (Pump Station)

The construction of the facilities is being completed in three phases:

- 1) Preconstruction/Site Preparation for the Dam and Pump Station Construction
- 2) Dam and Pipelines
- 3) Pump Station

### **PROJECT STATUS**

#### **Preconstruction/Site Preparation**

The work to relocate various facilities integral to the existing mining operation was completed in December 2017. The relocation of the high-tension power lines that feed an existing major communication facility was completed in April 2018. The final relocation of AT&T facilities was completed in May 2018, which was the final remaining activity for this phase.

#### **Dam and Pipelines**

The \$81M Construction Contract was awarded in December 2017 and is approximately 35% complete.

### Pump Station

The preliminary design of this facility was resubmitted by AECOM in mid-December for District review and approval. The Design process is likely to continue thru the end of February 2019, and the project will likely be available to start the construction bidding process in March 2019. Completion of the construction is expected to be in February 2020, about two months ahead of the Reservoir and Dam completion.

### San Juan Watershed Project

The Draft Environmental Impact Report (DEIR) public review period was closed for comments on February 23, 2018. Ultimately twenty-one comment letters were received with the major topics of concern being characterized as relating to:

- Steelhead trout migration including the provisions of fish passages
- Impacts on San Juan Creek Lagoon
- Aesthetics and impacts of the various structures that may be required as part of the project on the surrounding neighborhoods
- Sediment transport

Legal review of the draft document has been completed. An approach for addressing the comments was developed amongst the team members with a new schedule also being developed. The additional technical studies of the issues listed above are being performed. The results will be incorporated into the Responses to Comments and brought to the Board for consideration of adopting the EIR.

### Other Information on South County Projects:

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  
November 6, 2018**

**COMMITTEE ASSIGNMENTS**

Director Emrani was appointed to the Communications and Legislation Committee, the Organization, Personnel and Technology Committee, the Facilities Naming Committee, and the Audit and Ethics Committee. **(Agenda Item 5C)**

**FINANCE AND INSURANCE COMMITTEE**

Approved and authorized the distribution of Appendix A for use in the issuance and remarketing of Metropolitan's Bonds; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. **(Agenda Item 8-1)**

**ENGINEERING AND OPERATIONS COMMITTEE**

Awarded \$43,998,000 contract to Bernards Bros., Inc. for seismic upgrades and building improvements for Metropolitan's Headquarters Building; awarded \$620,713 contract to R&F Rolapp Enterprises, Inc. for staff relocation services; and authorized: (1) agreement with Lee & Ro, Inc. for a not-to-exceed amount of \$2.5 million, for specialized inspection support; (2) increased of \$3.98 million to an agreement with ABS Consulting, Inc., for a new not-to-exceed total of \$11.58 million for technical support; and (3) increased of \$245,000 to an agreement with IBI Group, for a new not-to-exceed total of \$1,135,000, for technical support. **(Agenda Item 8-2)**

Reviewed and considered Addendum No. 2 to the 2017 Program Environmental Impact Report, and award \$14,536,130 contract to J. F. Shea Construction, Inc. to rehabilitate a portion of the Second Lower Feeder. **(Agenda Item 8-3)**

Reviewed and considered Addendum No. 2 to the 2014 Mitigated Negative Declaration, and award \$6,967,500 contract to Michels Pipeline Construction to replace the lining in a portion of the Orange County Feeder. **(Agenda Item 8-4)**

Adopted CEQA determination that the proposed action was previously addressed in the certified Program Environmental Impact Report and award \$2,606,700 contract to Minako America Corporation for electrical upgrades at 15 structures; and authorized an agreement with Kennedy/Jenks Consultants, Inc., with a not-to-exceed amount of \$2,037,000, for technical support of electrical upgrades at 290 structures within the Orange County operating region. **(Agenda Item 8-5)**

## **WATER PLANNING AND STEWARDSHIP COMMITTEE**

Approved amendments to the Water Use Efficiency Guidelines for proposed annexations in Metropolitan's Administrative Code Sections 3107 and 2700 with discretion to staff to adjust the grammar as needed. **(Agenda Item 8-6)**

## **AUDIT AND ETHICS COMMITTEE**

Approved amendments to the Administrative Code to clarify the Ethics Officer Reporting Structure and Duties and to establish the Audit and Ethics Committee as a Standing Committee of the Board with additional duties, and as modified, to increase the Ethics Officer's contract authority to \$50,000 and to make the Ethics Officer's review process consistent with the review process for the Auditor. **(Agenda Item 8-7)**

## **CONSENT CALENDAR**

In other actions, the Board:

Approved The Metropolitan Water District of Southern California's salary schedules pursuant to CalPERS regulations. **(Agenda Item 7-1)**

Reviewed and considered the Lead Agency's adopted Mitigated Negative Declaration and adopt the Lead Agency's findings, and adopted resolution for Eastern 109th Fringe Area Annexation to Eastern Municipal Water District and Metropolitan. **(Agenda Item 7-2)**

Adopted Resolution for Eastern 110th Fringe Area Annexation to Eastern Municipal Water District and Metropolitan. **(Agenda Item 7-3)**

## **OTHER MATTERS**

Inducted new Director Yazden Emrani representing the City of San Fernando. **(Agenda Item 5E)**

Approved Commendatory Resolution for Director Sylvia Ballin representing the City of San Fernando. **(Agenda Item 5F)**

Authorized preparation of Commendatory Resolution for Association of California Water Agencies Executive Director Tim Quinn for his service to the water community. **(Agenda Item 5G)**

Director Leticia Vazquez-Wilson was nominated and elected as the Board Secretary for two-year term effective January 1, 2019. **(Agenda Item 5I)**



**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>



ITEM 6b

**Regular Board Meeting**  
**January 8, 2019**  
**12:00 p.m. – Boardroom**

January 8, 2019 Meeting Schedule		
9:00 a.m.	L&C	Rm. 2-145
9:30 a.m.	C&LR	Rm. 2-456
10:30 a.m.	OP&T	Rm. 2-145
12:00 p.m.	Board Mtg	Boardroom

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MWD Headquarters Building • 700 N. Alameda Street • Los Angeles, CA 90012

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**1. Call to Order**

- (a) Invocation: Rev. Jewett L. Walker Jr., M. Div.
- (b) Pledge of Allegiance: Director Richard Atwater, Foothill  
Municipal Water District
- (c) Administer Oath of Office for Chairwoman Gloria Gray for a two-  
year term beginning January 1, 2019

**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))
  - a. Remarks from Dignitaries and Special Guests
  - b. Public comments

**5. OTHER MATTERS**

- A. Approval of the Minutes of the Meeting for December 11, 2018  
(A copy has been mailed to each Director)  
Any additions, corrections, or omissions
- B. Nomination and Election of nonofficer members of the Executive  
Committee for two-year term effective January 8, 2019

- C. Chair and Vice Chair of standing committee appointments for the term commencing on February 1, 2019
- D. Approve committee assignments
- E. Authorize preparation of Commendatory Resolution honoring Randy A. Record for his leadership during his term as Chairman of Metropolitan's Board of Directors
- F. Presentation of 10-year Service Pin to Director Fern Steiner
- G. Presentation of Commendatory Resolution to past Director Sylvia Ballin, representing the City of San Fernando
- H. Report on Directors' events attended at Metropolitan expense for month of December
- I. Chairman Record's December Activity Report

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

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

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

- 7-1** Authorize an agreement with Hatfield & Dawson Consulting Engineers, LLC, with a not-to-exceed amount of \$480,000 for professional technical services to upgrade the Metropolitan's microwave radio wide-area-network system at 24 sites within the Desert operating region; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA. (OP&T)

- 7-2** Authorize entering into a not-to-exceed \$292,800 funding agreement with the Calleguas Municipal Water District under the Future Supply Actions Funding Program for the Los Robles Golf Course Groundwater Utilization Pilot Study; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (WP&S)
- 7-3** Authorize entering into a not-to-exceed \$339,500 funding agreement with Las Virgenes Municipal Water District under the Future Supply Actions Funding Program for the Phase 2 White Paper: Tapping into Available Capacity in Existing Infrastructure to Create Water Supply and Water Quality Solutions; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (WP&S)
- 7-4** Authorize entering into a not-to-exceed \$350,000 funding agreement with The City of Long Beach under the Future Supply Actions Funding Program for the Los Angeles River Demonstration Treatment Plant – Phase 2A study; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (WP&S)
- 7-5** Authorize entering into a not-to-exceed \$500,000 funding agreement with Los Angeles Department of Water and Power under the Future Supply Actions Funding Program for the Pilot Study of Nitrification-Denitrification Membrane Bioreactor Treatment at Hyperion Water Reclamation Plant; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (WP&S)
- 7-6** Authorize entering into a not-to-exceed \$500,000 funding agreement with Eastern Municipal Water District under the Future Supply Actions Funding Program for the Purified Water Replenishment Brine Concentration Pilot Project; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (WP&S)

**END OF CONSENT CALENDAR**



## 8. OTHER BOARD ITEMS — ACTION

- 8-1 Approve nominations to name Metropolitan facilities after Carl Boronkay and Lois B. Krieger; and select and name specified Metropolitan facilities after each nominee; the General Manager has determined that this action is exempt or otherwise not subject to CEQA. (FNA) **(Posting Separately)**
  
- 8-2 Adopt the Negative Declaration and related CEQA actions, and authorize granting an easement to the United States Bureau of Reclamation to establish a habitat restoration site for the Lower Colorado River Multi-Species Conservation Program. (RP&AM)  
[Conference with real property agency negotiator: Laura Simonek; negotiating parties: United States Bureau of Reclamation; for an easement for conservation purposes encumbering approximately 635 acres of land on the west side of the Colorado River in northeast Imperial County, California, 17 miles southwest of the city of Blythe, also known as a portion of Imperial County Assessor's Parcel No. 006-150-065; under negotiation: price and terms of payment; to be heard in closed session pursuant to Gov. Code Section 54956.8]

## 9. BOARD INFORMATION ITEMS

- 9-1 Update on Conservation Program **(Posting Separately)**
  
- 9-2 Review of the Antelope Valley-East Kern Water Agency High Desert Water Bank Program. (WP&S)
  
- 9-3 Information on proposed action to increase activity in the Landscape Transformation Program. (CL&R) **(Posting Separately)**

## 10. FOLLOW-UP ITEMS

## 11. FUTURE AGENDA ITEMS

## 12. ADJOURNMENT

**NOTE:** 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.