WORKSHOP MEETING OF THE BOARD OF DIRECTORS WITH MET DIRECTORS MUNICIPAL WATER DISTRICT OF ORANGE COUNTY 18700 Ward Street, Board Room, Fountain Valley, California June 6, 2018, 8:30 a.m.

AGENDA

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC PARTICIPATION/COMMENTS

At this time members of the public will be given an opportunity to address the Board concerning items within the subject matter jurisdiction of the Board. Members of the public may also address the Board about a particular Agenda item at the time it is considered by the Board and before action is taken.

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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

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

(NEXT RESOLUTION NO. 2073)

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

PRESENTATION/DISCUSSION/INFORMATION ITEMS

1. INPUT OR QUESTIONS ON MET ISSUES FROM THE MEMBER AGENCIES/MET

DIRECTOR REPORTS REGARDING MET COMMITTEE PARTICIPATION

Recommendation: Receive input and discuss the information.

2. STORMWATER CAPTURE

Recommendation: Review and discuss the information presented.

3. WATER SUPPLY CONDITIONS UPDATE

Recommendation: Review and discuss the information presented.

4. CALIFORNIA WATERFIX ACTIVITIES UPDATE

Recommendation: Review and discuss the information presented.

- 5. MET ITEMS CRITICAL TO ORANGE COUNTY (The following items are for informational purposes only a write up on each item is included in the packet. Discussion is not necessary unless requested by a Director)
 - a. MET's Water Supply Conditions
 - b. MET's Finance and Rate Issues
 - c. Colorado River Issues
 - d. Bay Delta/State Water Project Issues
 - e. MET's Ocean Desalination Policy and Potential Participation by MET in the Doheny Desalination Project and in the Huntington Beach Ocean Desalination Project (Poseidon Desalination Project)
 - f. Orange County Reliability Projects
 - g. East Orange County Feeder No. 2
 - h. South County Projects

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

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

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

Recommendation: Review and discuss the information presented.

ADJOURNMENT

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

Item No. 2



DISCUSSION ITEM June 6, 2018

TO: Board of Directors

FROM: Robert Hunter, General Manager

> Staff Contact: Charles Busslinger Melissa Baum-Haley

SUBJECT: STORMWATER CAPTURE

STAFF RECOMMENDATION

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

REPORT

At the May 8, 2018 Metropolitan Conservation and Local Resources Committee meeting, a presentation was given on the Southern California Water Coalition's (SCWC) 2018 Stormwater Taskforce whitepaper. The main objective of the SCWC whitepaper is to calculate the cost per acre-foot of captured stormwater. The sample sets of the SCWC whitepaper include 32 sites across the Southern California region, primarily in San Bernardino and Los Angeles Counties.

For over a century, the Orange County Water District, and other agencies, including, Los Angeles County Flood Control District, San Bernardino County Flood Control District, and Chino Basin Water Conservation District, have been capturing stormwater for recharge in large centralized spreading grounds adjacent to flood control channels. According to analysis completed by the Metropolitan Water District, up to 95% of stormwater can be accounted for within the Metropolitan service area. However, of that, only 4% (375 TAF) is actively captured for groundwater recharge.

MWDOC staff will provide a presentation for the purpose of gaining a better understanding of actual stormwater capture opportunities, costs and considerations, as well as Orange County efforts, to inform future discussions.

Stormwater capture opportunities between the Santa Ana River and Los Angeles County watersheds are compared in the graphic below. Of note, the greatest proportion of

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

remaining stormwater volume available (i.e. flows to the ocean) occur less than 1% of the time – about 4 days of the year.



MWDOC staff observations highlight the following:

- Large scale centralized stormwater capture is relatively cost effective in comparison to the cost of imported water; whereas distributed stormwater capture is expensive
- While the Los Angeles County watershed has stormwater capture opportunities, the Los Angeles groundwater basins, particularly San Fernando Basin, has contamination which needs to be addressed to take advantage of these opportunities
- Orange County already captures a high percentage of stormwater
- It is not how much can captured, but how much can be utilized

Attachments: Stormwater Capture Presentation



Charles Busslinger, P.E. Municipal Water District of Orange County

Stormwater Capture



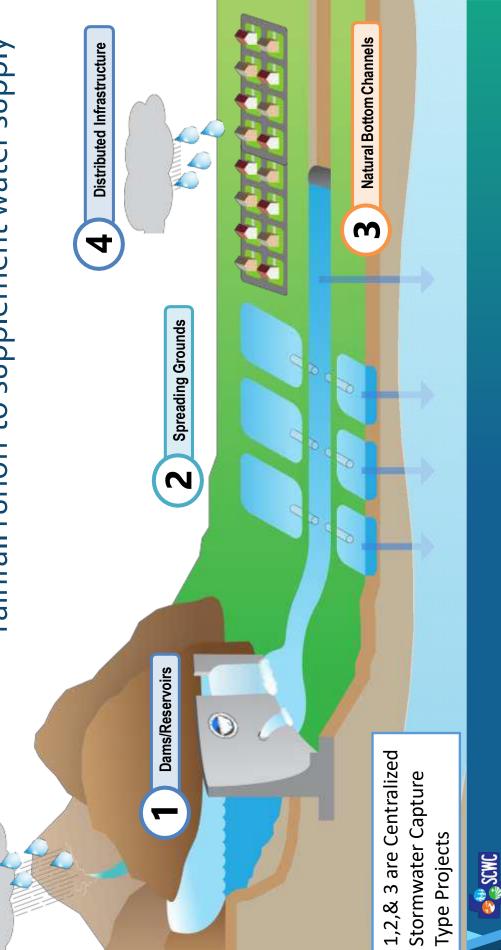
06.06.2018













DATA SET | 32 PROJECTS ANALYZED

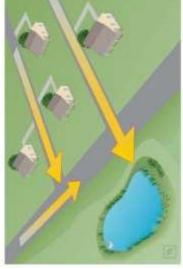
Source: MWD Conservation & Local Resources Committee Presentation by Lee Alexanderson, P. E. May 8, 2018

Large Projects

29 Centralized

3 Distributed

Small Projects



CRITERIA Actual Capture Data Actual Construction Cost Full Yr. Operation



25 Retrofit/Rehabilitation

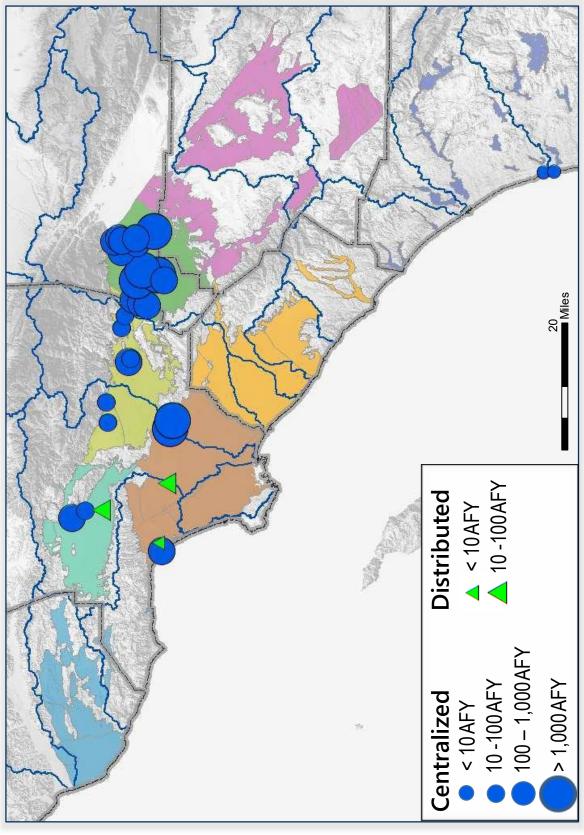
4 New



SCWC



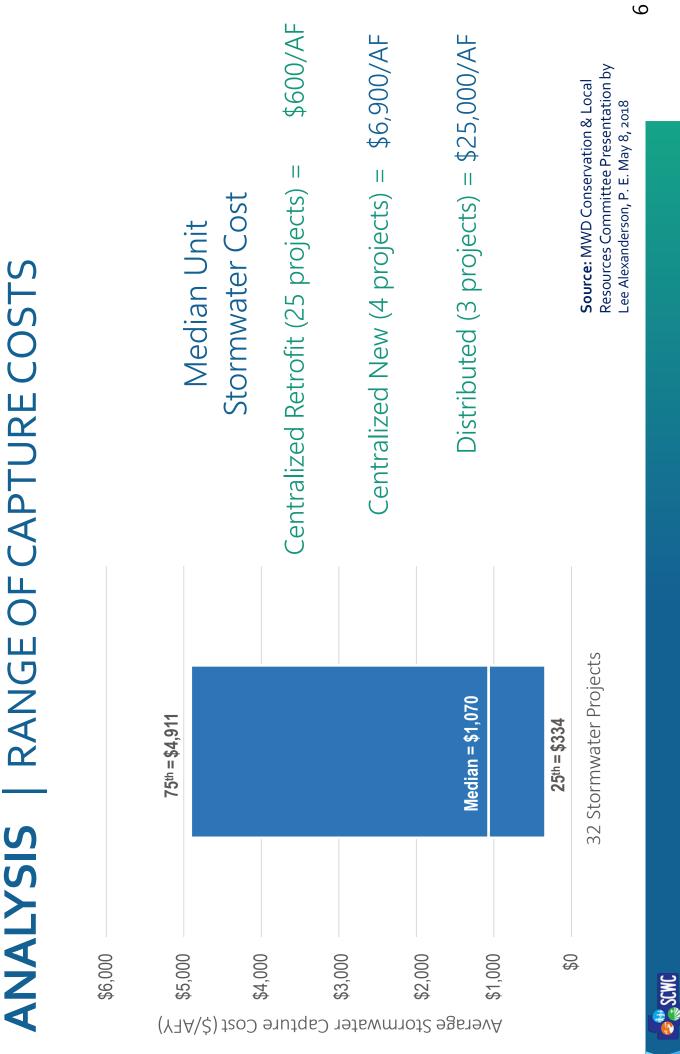
LOCATION | ACROSS SOUTHERN CALIFORNIA



Source: MWD Conservation & Local Resources Committee Presentation by Lee Alexanderson, P. E. May 8, 2018

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SCWC







DATA CHALLENGES | COMMON PROBLEMS

Actual Flow Data

- No monitoring
- Technical difficulties
- Difficult to isolate benefits from retrofit projects

Actual Cost Data

- Difficult to isolate stormwater costs
- O&M costs are averaged over time
- Historical costs
- difficult to obtain

Source: MWD Conservation & Local Resources Committee Presentation by Lee Alexanderson, P. E. May 8, 2018



City of LA - Sustainable City **PLAN**

PLAN TARGETS

O 7 Reduce import water purchases 50% by 2025

02 Source 50% of water locally by 2035

03 150,000 AFY of storm water capture



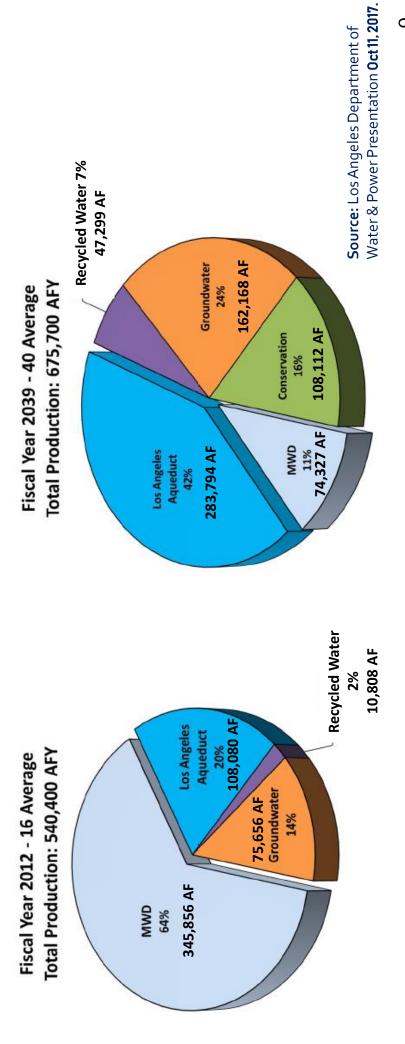


PLAN Goals



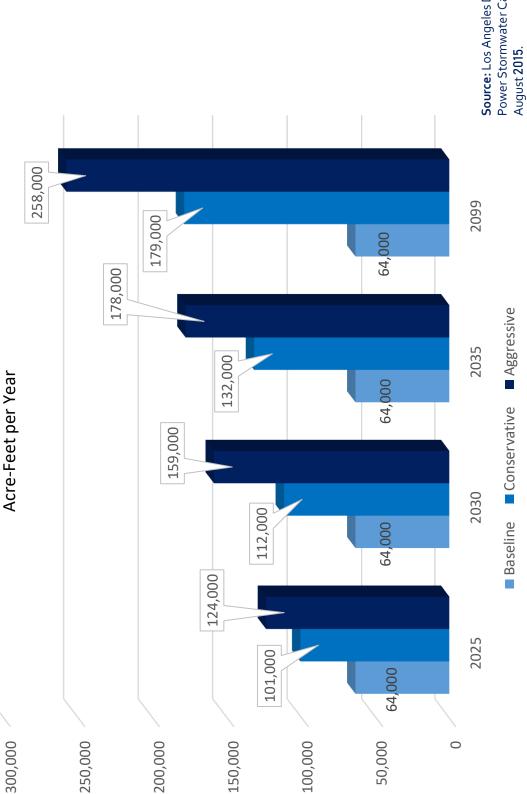


Sustainable City PLAN & 2015 UWMP Goals



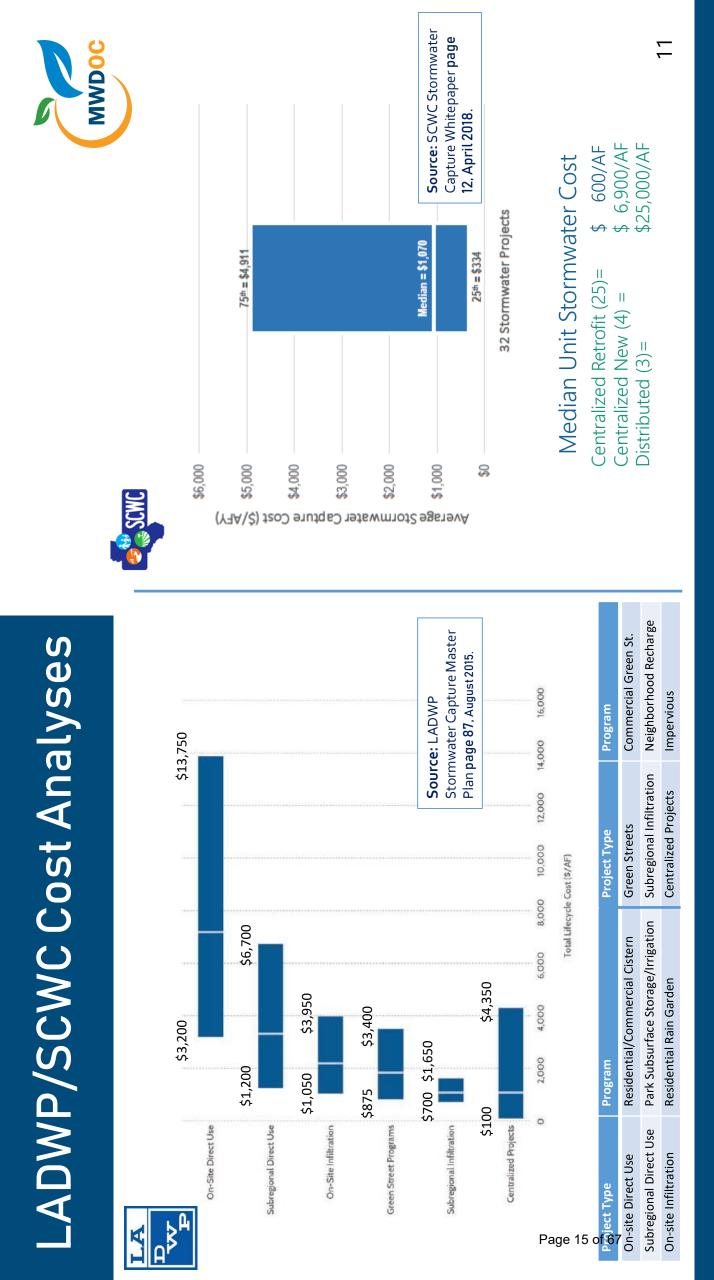
LA City Storm Water Capture Potential





MWD

Source: Los Angeles Department of Water & Power Stormwater Capture Master Plan (SCMP) Audust 2015.



Los Angeles Water Supply & Water Quality Compliance Municipal Separate Storm Sewer System (MS4)

1972 Clean Water Act 1987 Water Quality Act

National Pollutant Discharge Elimination System (NPDES) Permits

Page 16 of 67

DRAFT Enhanced Watershed Management Program (EWMP) for the Upper Los Angeles River Watershed Prepared for Upper Los Angeles River Watershed Management Group



Treat & Release BMPs

Better at Reducing Metals

Infiltration BMPs

Removes more Pollutants

In Conjunction with the Black & Veatch Team Nam Walke Associates Paradigm Environmental Tetra Tech

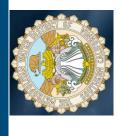
PARADIGM



"(EWMPs) under development as part of Los Angeles Bureau of Sanitation's (LASAN) compliance with the new <u>LA County</u> <u>MS4 Permit</u> are directly related to the SCMP." *scMP page 15*.

> Capture & Reuse Recharge Potential

MWD Watersheds Overview



Runoff to Ocean **Stormwater in the Metropolitan** 15.2 inches 8.7 MAF Evapotranspiration 7.2 MAF 95% used Service Area 745 TAF 325 TAF Passive Active Groundwater Recharge



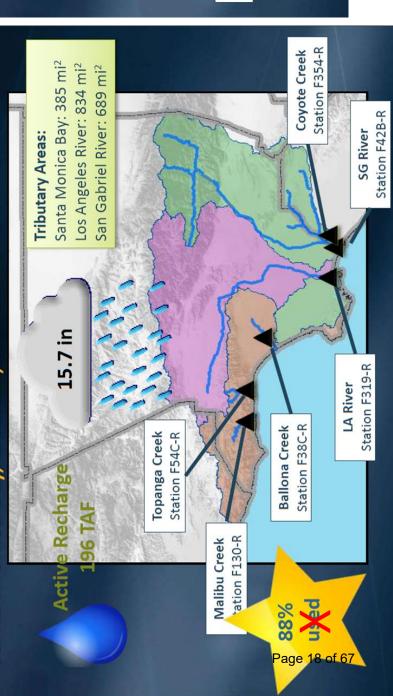
~5-15% Remaining Source: Stormwater Capture & Flows to the Ocean Presentation MWD C&LR Committee 01/09/2018

Watersheds

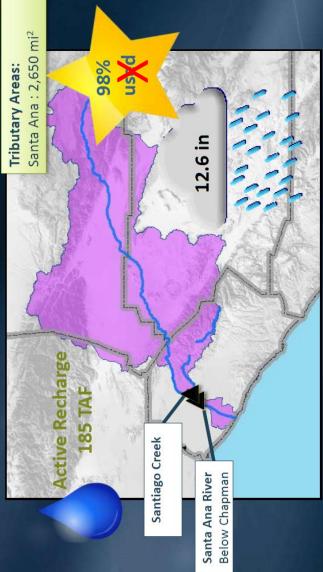




Los Angeles County Watersheds Santa Monica Bay, LA River, and San Gabriel River



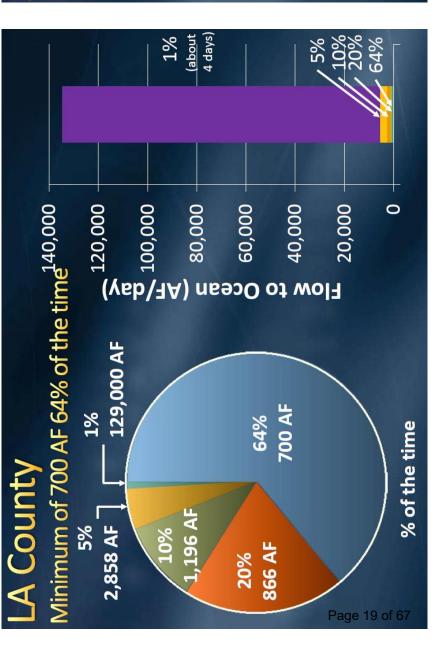
Santa Ana River Watershed Watershed extends into four counties



Source: Stormwater Capture & Flows to the Ocean Presentation MWD C&LR Committee 01/09/2018

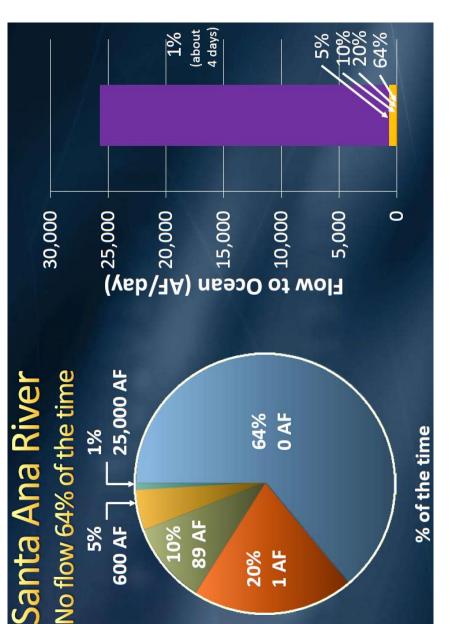
Stormwater Capture Potential





Source: Stormwater Capture & Flows to the Ocean Presentation MWD C&LR Committee 01/09/2018





MWDOC Staff Observations



- Large Scale Centralized stormwater capture is relatively cost effective
- Distributed stormwater capture is expensive
- Los Angeles has opportunities to do more stormwater capture
- Contamination in LA groundwater basins (specifically the San Fernando Basin) needs to be addressed to take advantage of these opportunities
- Orange County already captures a high percentage of stormwater
- It is not how much can be captured, but how much can be utilized









OCWD – Stormwater Capture

Table 5-2: Annual Recharge by Source, Water Year 2009-10 to 2013-14

			(acre-feet per year)	per year)			
	Santa Ana River	na River					
	Base	Storm 1	Imported	Recycled	In lieu	Incidental	
Water Year	Flow	Flow ⁺	Water	Water	Recharge	Recharge	Total
2009-10	103,000	59,000	22,000	67,000	0	83,000	334,000
2010-11	104,000	78,000	29,000	67,000	10,000	94,000	382,000
2011-12	95,000	32,000	42,000	72,000	31,000	27,000	299,000
2012-13	85,000	18,000	41,000	73,000	0	20,000	237,000
2013-14	65,000	25,000	53,000	66,000	0	32,000	241,000
Average	90,000	42,000	37,000	69,000	8,000	51,000	298,000
Average %	30%	14%	13%	23%	3%	17%	100%
1storm Elow includes Santa Ana Diver and Santiage Creek	chidor Canto		on Continue	rook			

¹Storm Flow includes Santa Ana River and Santiago Creek



ICE 1933

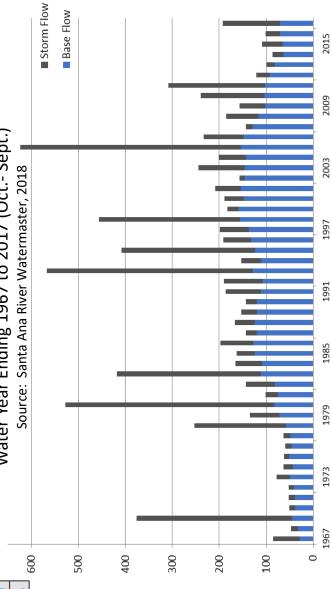
fotal OCWD Storage Capacity = 26,278 AF* (*OCWD 2015 Groundwater Management Plan)

acre-feet per year (x1000)





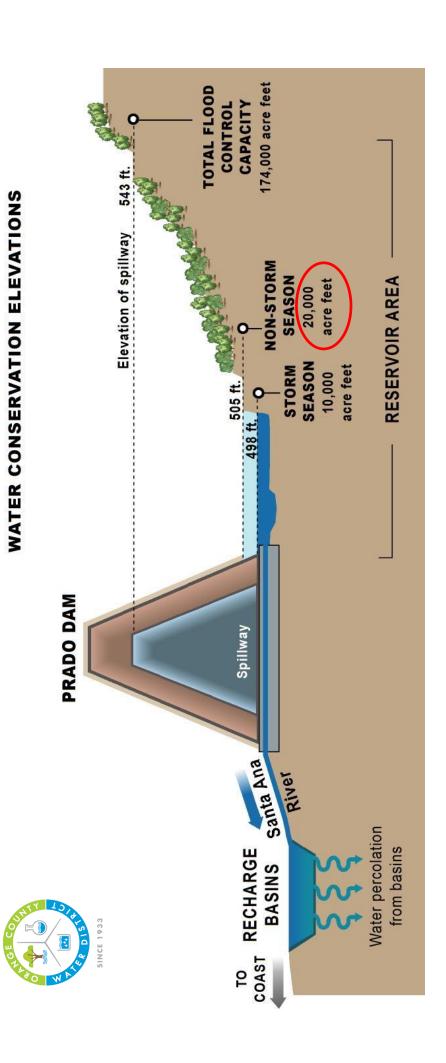
Annual Base and Storm Flow in the Santa Ana River at Prado Dam Water Year Ending 1967 to 2017 (Oct.- Sept.) Source: Santa Ana River Watermaster, 2018



Prado Dam Stormwater Capture



OCWD is working with the Army Corps to allow an additional 10,000 AF of storage behind Prado Dam during the storm season.

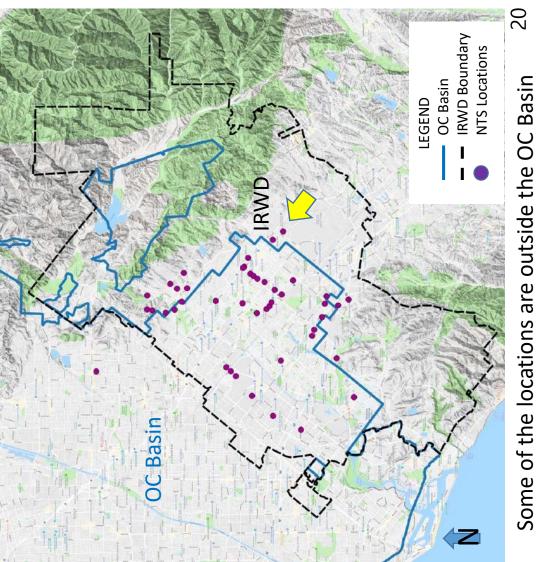


- Irvine Lake ~ 1,279 AFY
- Sand Canyon Reservoir ~189 AFY
- Natural Treatment System ~ 480 AFY



lrvine Ranch Water District Natural Treatment System





El Modena NTS

South OC Projects



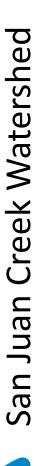
- Santa Margarita Water District
- Rancho Mission Viejo
- County of Orange
- Captures runoff from Coto de Caza.
- Project Cost: \$26,465,380
 - Yield: ~215 AFY

RANCHO MISSION VIEJO

Santa Margarita Water District







MWDOC

- Proposed Stormwater Capture
- Phase 1 Cost: \$21 million
- Vield: ~ 700 AFY
- Future phases augmented by Recycled Water Percolation







Questions



Item No. 3



INFORMATION ITEM June 6, 2018

TO: Board of Directors

FROM: Robert Hunter, General Manager

Staff Contact: Kevin Hostert

SUBJECT: WATER SUPPLY CONDITION UPDATE

STAFF RECOMMENDATION

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

REPORT

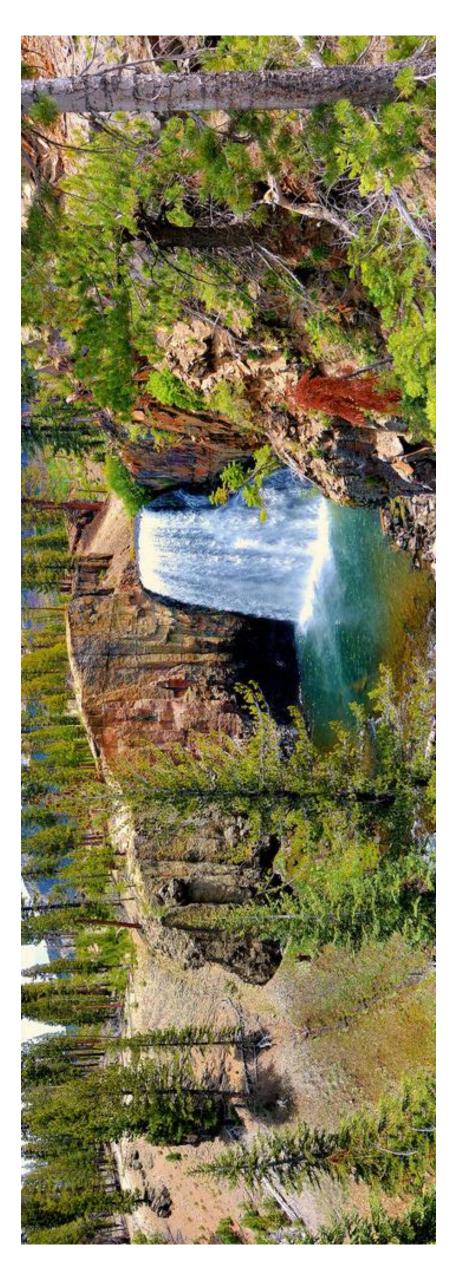
The Northern California accumulated precipitation (8-Station Index) is reporting **40.5 inches or 85% of normal** as of May 29. In the month of May 2018, accumulated precipitation reached 1.8 inches, which is **0.3 inches below normal** compared to the historical average. The Northern Sierra Snowpack peaked at 12.3 inches on April 1st, which is **43% of normal**. Lake Oroville storage has significantly improve since the month of March seeing an increase in volume of 850 thousand acre feet. The San Luis Reservoir has a current volume of 76% of the reservoirs total capacity.

At the time of writing this memo, the Department of Water Resources (DWR) has increased the State Water Project (SWP) "Table A" allocation to 35%. This allocation provides Metropolitan with approximately 669,025 AF in SWP deliveries this water year.

On the Colorado River system, snowpack is measured across four states in the Upper Colorado River Basin. As of April 15, 2018, snowpack measured at 74% 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 about a 0% chance of a shortage on the Colorado River in 2019, increasing to about 52% in 2020. Attached is a presentation on Water Supply Conditions as of May 30, 2018. MWDOC staff may provide a revised presentation at the June 6 Joint Board Workshop to include any recent changes in data.

Attachment: Water Supply Conditions Presentation

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



Water Supply Conditions Kevin Hostert, Water Resources Analyst Municipal Water District of Orange County June 6th 2018





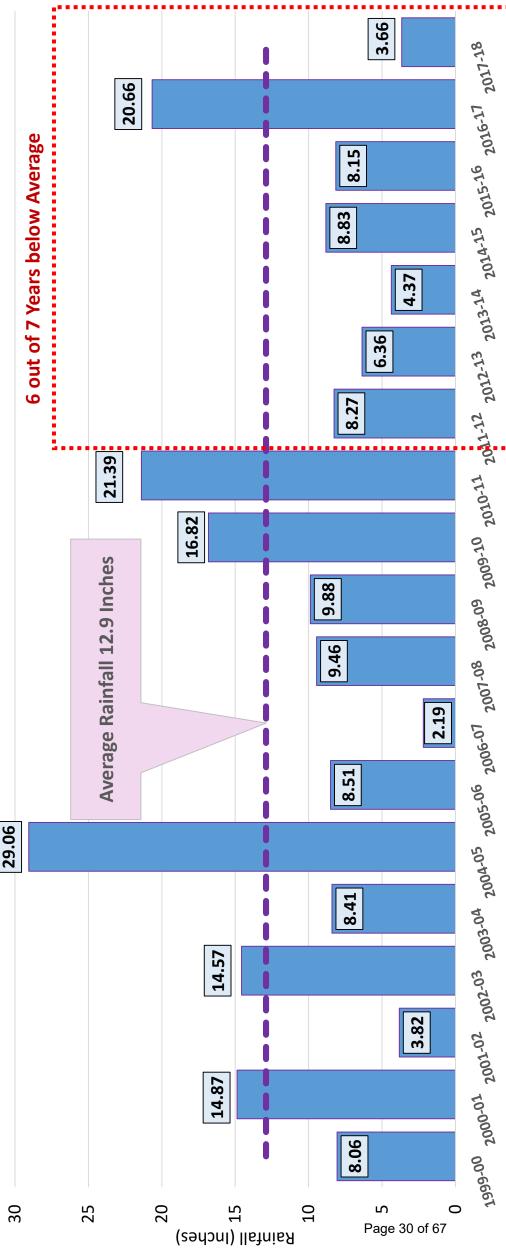
Insight to local weather conditions that affect California's water supply



Santa Ana Precipitation

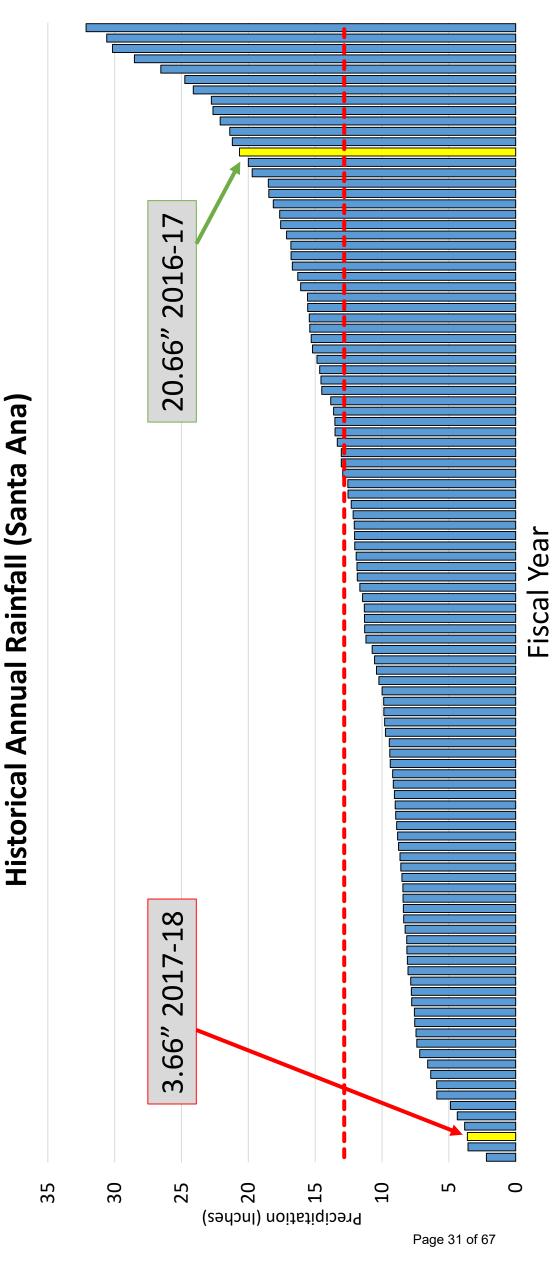


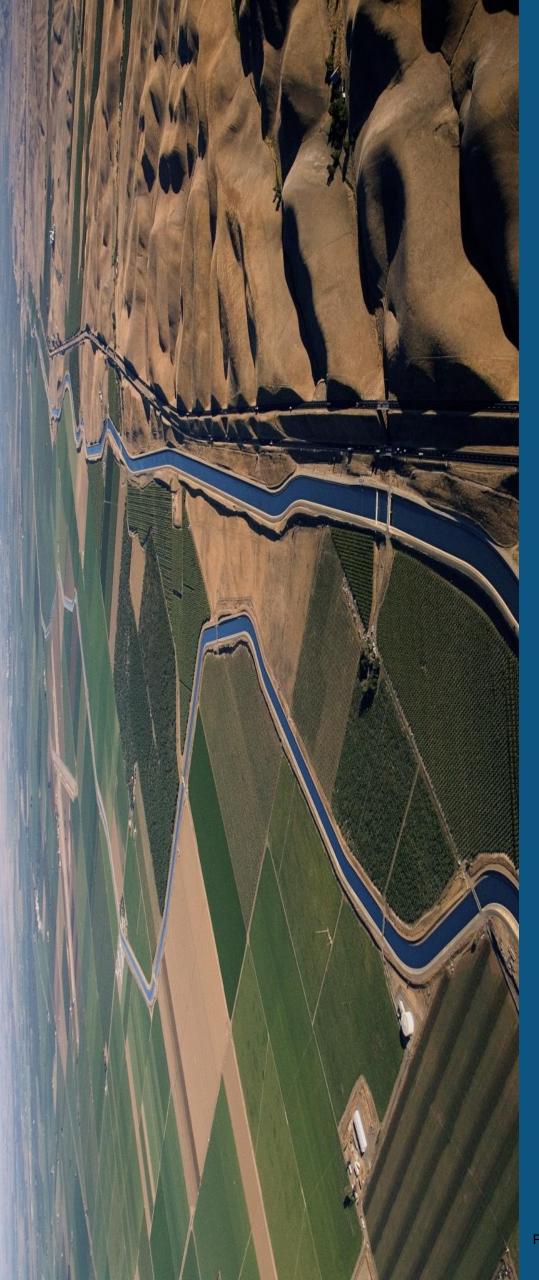




Santa Ana Precipitation

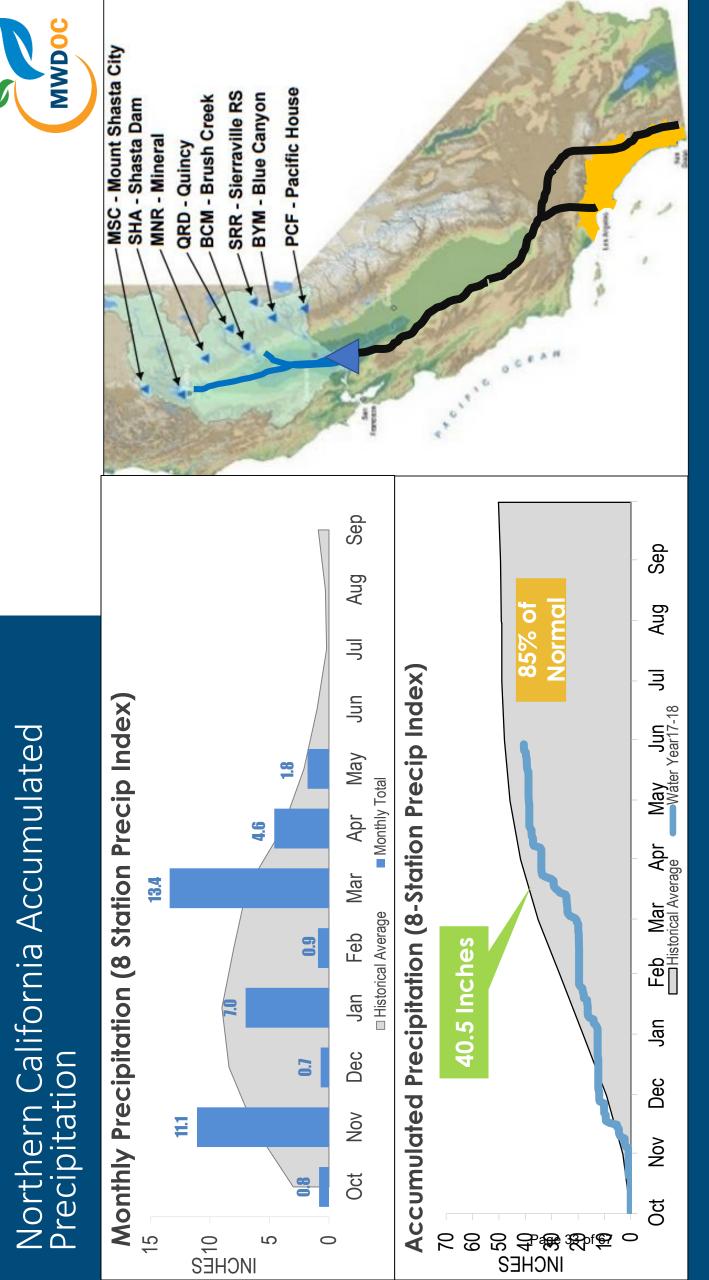


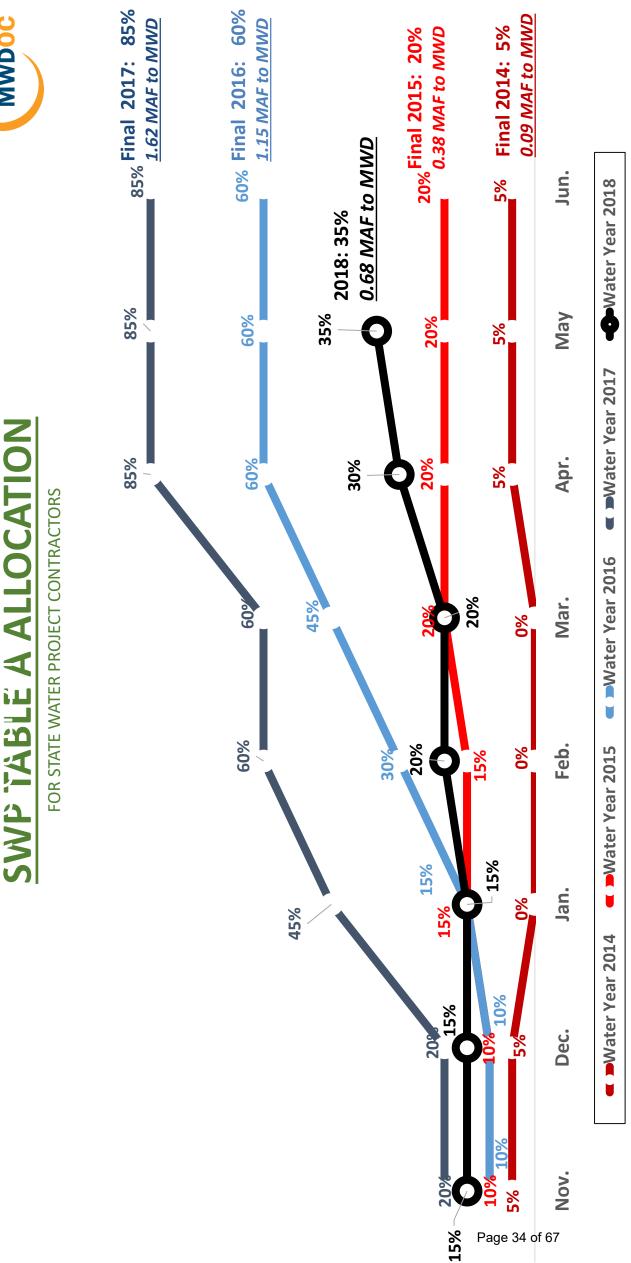




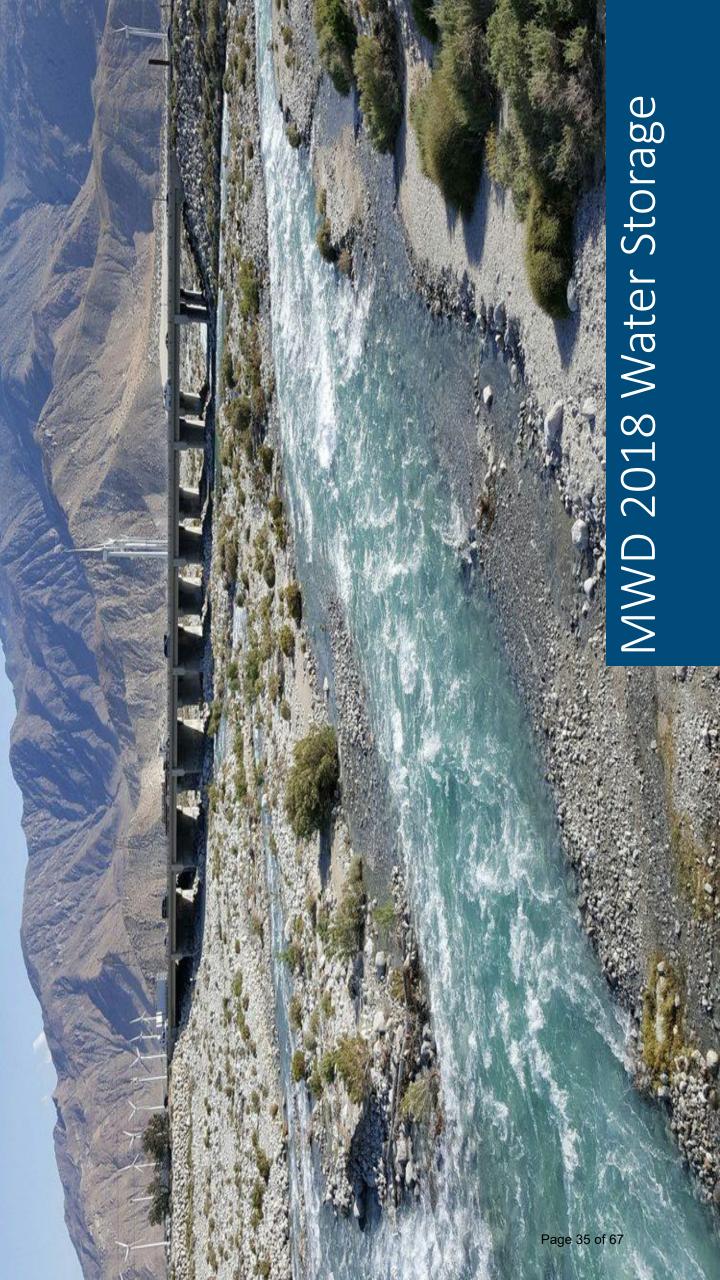
Insight to regional weather conditions that affect California's water supply



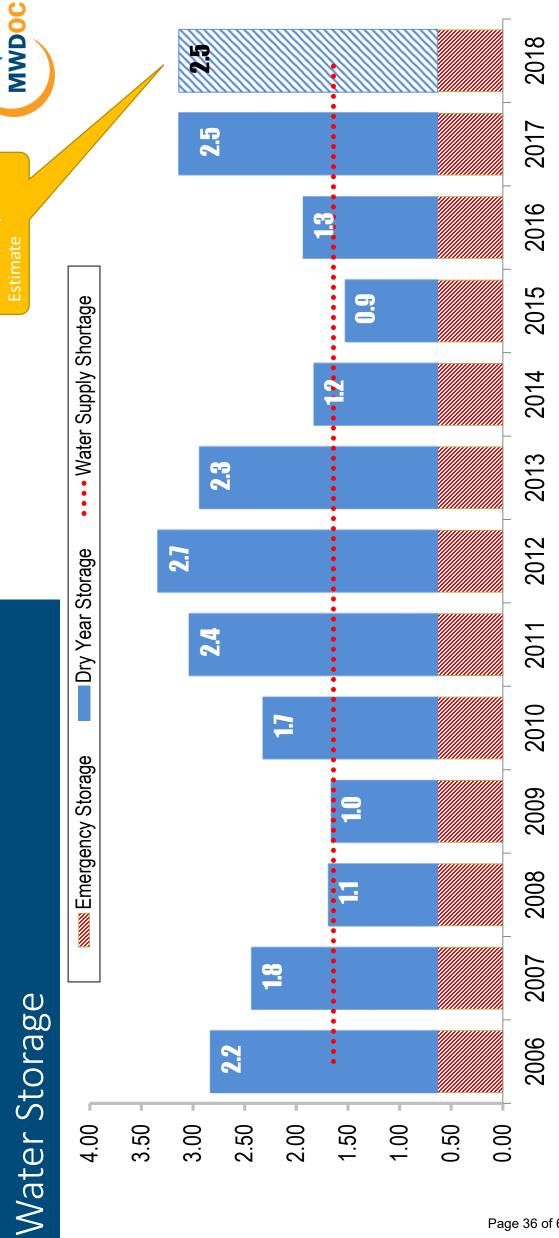




MWDOO







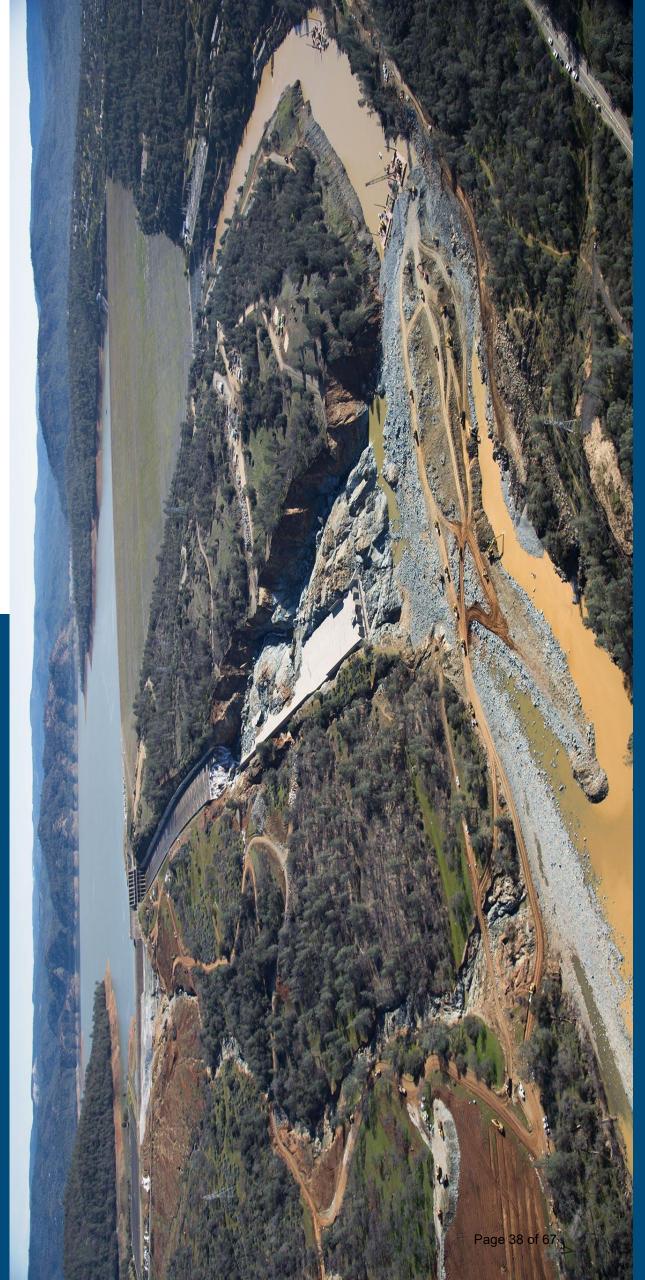
End of Calendar Year

Water Supply Conclusions WY 2017-18



- Accumulated Precipitation is slightly below the historical average in Northern California. Northern California Snowpack is well below average.
- water year. Below average precipitation has occurred 6 of the last 7 years. Precipitation in Southern California is well below average for the 2017-18
- Key State/Federal Reservoirs Levels are <u>at or above the historical averages</u> (excluding Lake Oroville).
- Table A allocation is at **35 %**, which is about **0.68 MAF** of water to MWD.
- Drought conditions have strengthen this year but are still relative weak compared to the last drought.
- ^aThe Colorado River System is still in decline and Lake mead could possibly see a shortage trigger at the start of CY 2020.

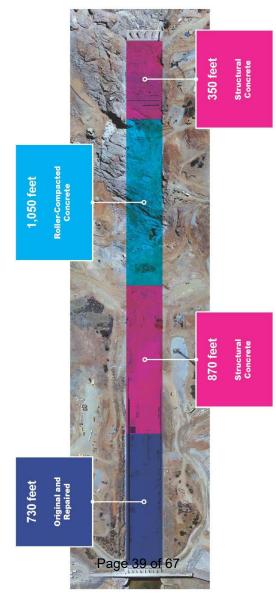
Lake Oroville Spillway Update



2017 Accomplishments

- Upper Chute (870 Feet) remove and replace with structural concrete by November 1st 2017.
- Middle Chute (1,050 Feet) Temporary stabilization with Roller-Compacted Concrete by November 1st 2017.
- Lower Chute (350 Feet) remove and replace with structural concrete by November 1st 2017.
- <u>Emergency Spill Way</u> have concrete cutoff wall (the most critical component) completed by November 1st 2017.

Phase 1 – Completed Nov. 1, 2017

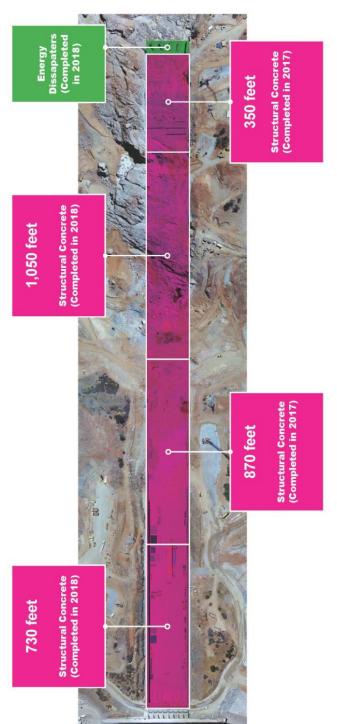




2018 Phase II Work

- -Upper Chute The original 730 feet of the upper chute leading to the radial gates will be removed and replaced with structural concrete.
- -Middle Chute A 2.5-foot layer of structural concrete will be placed over the rollercompacted concrete (RCC) middle chute. The RCC walls in the middle chute will be removed and replaced with structural concrete walls.
- -Energy Dissipaters The energy dissipaters at the base of the main spillway will be hydroblasted and resurfaced.
- -Emergency Spillway Placement of RCC on the northern half of the splashpad is 78 percent complete.
- Crews continue to clean and prepare the southern half of the splashpad for RCC glacement.
- Placement of the cap or grade beam on the gluderground secant pile cutoff wall is complete. The cap will tie the secant piles together and will be secured to the RCC splashpad.













Item No. 4



DISCUSSION ITEM June 6, 2018

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.

REPORT

Last month's Metropolitan Board vote to invest in the California WaterFix authorized Metropolitan to participate in the Delta Conveyance Design and Construction Joint Powers Authority that will guide the future management of the project as it transitions from planning to implementation. Concurrently, the Department of Water Resources (DWR) and the public agencies funding California WaterFix are forming a partnership to build the project on time and on budget.

Department of Water Resources (DWR) Activities

Delta Conveyance Office (DCO) - A new office in DWR to provide oversight of the project and that, upon completion, will own and operate the facility. DCO responsibilities include:

- Approve WaterFix specifications that meet DWR standards for safety, durability, and long-term operations and maintenance
- Review and approve any material changes to the specifications for design, construction and permit compliance
- Review and approve the WaterFix annual budgets
- Ensure compliance with the Joint Exercise of Power Agreement between DWR and the Delta Conveyance Design and Construction Authority
- Oversee and approve acquisition process of necessary lands, easements, and right of-ways

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

• Review and approve the construction bid documents, the as-builts plans and ultimately facilities for operation

To administer options to purchase unsubscribed capacity, DWR and Metropolitan are entering into a Master Agreement which will dictate the terms of capacity interest, operations and cost.

Santa Clara Valley Water District Vote

On May 8, the Board of Directors of the Santa Clara Valley Water District voted 4-3 to support California WaterFix and participate in the Delta Conveyance Design and Construction Joint Powers Authority. With this action, Santa Clara Valley Water District joins Metropolitan and other public water agencies that have approved investments in California WaterFix.

The Santa Clara Valley Water District Board also voted to support pursuing a capacity interest option agreement to purchase from Metropolitan 200 cfs of the 3,000 cfs unsubscribed portion of the project to protect its Central Valley Project supplies. Metropolitan and Santa Clara Valley Water District would enter into an Option Agreement, which relies on the Master Agreement between DWR and Metropolitan, to Purchase Capacity.

Joint Powers Authorities

Delta Conveyance Design and Construction (DCA) Joint Powers Authority (JPA) - Formed by Metropolitan and other participating public water agencies to implement the final planning and design of the project, manage construction and financial accounting. DCA responsibilities include:

- Implement final planning and design, construction, and all financial accounting
- Develop the program's strategic, spending, and business plans
- Manage construction contracts
- Develop and implement a program-wide safety policy and approach to risk management
- Ensure compliance with construction specifications and mitigation measures
- Finalize remaining permits and ensure compliance with terms

On May 14, Metropolitan together with Santa Clara Valley Water District and Zone 7 Water Agency, signed the formation agreement for the DCA JPA. The first meeting will be Thursday, May 17 in Sacramento (agenda attached).

The governing board of the DCA JPA will be made up of five directors (and five alternates), the appointments thus far are:

- Tony Estremera Director and President from Santa Clara Valley Water District (SCVWD); Barbara Keegan - Alternate
- Richard Atwater Director and Vice President from Metropolitan; Stephen Arakawa -Alternate
- Steve Blois Director from Metropolitan; Shane Chapman Alternate
- Sarah Palmer Director from State Water Contractor member at large, Zone 7; Alternate to be named

Across both the DCA and Finance JPAs, Metropolitan will have three appointees and three alternates; with the appointees being Board Members and the alternated being Metropolitan staff. While the proposed voting structure of the DCA will be equitable amongst the five members (one vote per member), the Finance JPA is intended to be weighted votes based on each member's investment share.

Attachments: (1) Fact Sheet: Creating a model organization to deliver the Program on Time and Budget

(2) Fact Sheet: A Modern Infrastructure Upgrade

(3) Design and Construction JPA Agenda - May 17, 2018



WATERFIX: CREATING A MODEL ORGANIZATION TO DELIVER THE PROGRAM ON TIME AND BUDGET

Taking Effective Steps to Safely Design and Construct WaterFix within Specifications, while Prudently Managing Risk

The Department of Water Resources (DWR) and participating public water agencies have extensively studied and analyzed organizational models for major infrastructure projects. DWR and the public water agencies will form a partnership to implement the most effective means of staffing, designing, contracting, constructing and financing WaterFix. This model is in the best interests of both the state and the public water agencies funding the project, assigning roles and responsibilities that align around a shared vision to build the project on time and budget.

ROLES

DEPARTMENT OF WATER RESOURCES (DWR) / DELTA CONVEYANCE OFFICE (DCO)

DWR has created the DCO to oversee WaterFix. DCO responsibilities include:

- Approve California WaterFix specifications that meet DWR standards for safety, durability, long-term operations and maintenance
- Review and approve any material changes to the specifications for design, construction and permit compliance
- Review and approve the California WaterFix annual budgets
- Ensure compliance with the Joint Exercise of Power Agreement between DWR and the DCA
- Oversee and approve acquisition process of necessary lands, easements and rightof-way for California WaterFix
- Review and approve the construction bid documents, the As-builts plans and ultimately facilities for operation

CONSTRUCTION JOINT POWERS AUTHORITY

The Construction JPA (Design Construction Authority (DCA)) will be formed by the participating funding agencies of the State Water Project. DCA responsibilities include:

- Implement final planning and design, construction and all financial accounting
- Develop the program's strategic, spending and business plans
- Let and manage construction contracts
- Select and supervise the Executive Director, Engineering Design Manager, and other staff/consultants
- Develop and implement a program-wide safety policy and approach to risk management

- Ensure compliance with construction specifications and mitigation measures
- Provide regular updates and reports to DWR
- Maintain transparency through the DCA board and public information programs
- Finalize remaining permits and ensure compliance with terms



A MODERN INFRASTRUCTURE UPGRADE

WaterFix is part of the state's overall water management portfolio, which includes conservation, water management, recycling, ecosystem protection and more.



Secure clean water supplies for 27 million Californians and 3 million acres of farmland.

KEY PROGRAM GOALS



Care and the second second

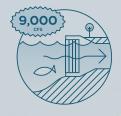
Improve the Sacramento-San Joaquin Delta's (Delta) ecosystem.



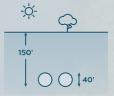
IMPROVED RIVER FLOWS & ECOSYSTEM HEALTH

Update California's aging water delivery system.

WATER DELIVERY UPGRADE



Three new intakes, each with 3,000 cubic-feet per second (cfs) capacity, located on the Sacramento River in the north part of the Delta, closer to high quality water and away from critical habitats.



Two tunnels up to 150' below ground designed to protect California's water supplies from sea level rise, earthquakes, floods and levee failure.

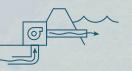


A return to more natural river flows in the south Delta, minimizing harmful reverse flows caused by powerful pumps.

Continued compliance to meet San Francisco Bay outflow requirements to protect against salt water intrusion and improve the overall health of the Delta ecosystem.

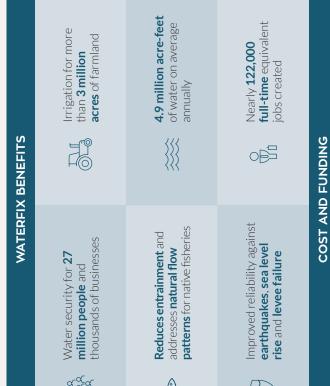


New intake location away from endangered species, with advanced fish screens to protect aquatic species.



Consolidated pumping plant to lift water into forebay in the south Delta to connect to SWP/CVP facilities.

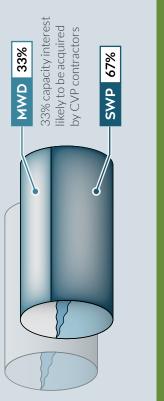






FUNDING PARTICIPATION AND CAPACITY ALLOCATION

and capacity allocation by participating water agencies. It does The graphic below shows the current funding commitments not represent the amount of water each entity will receive.



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Improving the reliability and susta	of California's aging water system	

PRIMARY PROJECT FEATURES



NORTH DELTA

increased water delivery system flexibility when operated with the existing facilities to secure water supplies while Three north Delta intakes provide higher quality water meeting environmental and water quality standards. and reduce impacts to fish. These new intakes offer



CENTRAL DELTA

and protect clean water supplies from salt water intrusion due to sea level rise, earthquakes, floods and levee failure. Gravity-fed tunnels improve operation and maintenance;



SOUTH DELTA

Combined pumping facility located on existing stateowned property at Clifton Court Forebay to reduce environmental and construction impacts.

DELTA ECOSYSTEM BENEFITS

of up to 15,600 acres of critical Delta habitat as mitigation for ongoing construction and operational impacts. WaterFix will contribute to the restoration and protection

AVAILABLE SCIENCE AND PUBLIC INPUT WATERFIX IS GUIDED BY THE BEST



ADAPTIVE MANAGEMENT & COLLABORATIVE SCIENCE

Address uncertainties and make adjustments over time



Coordinated management with state and federal fish and wildlife agencies



OPERATIONAL CRITERIA

New criteria, improved flexibilit and protected flows



PUBLIC INVOLVEMENT

Unprecedented level of public review and comment has helped refine the project

PROJECT SCHEDULE

	STA	ART 🕨							,	YEARS I	ROM P	ROJEC	T STAR	г						
_	2	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PERMITS				2.4																
LEADERSHIP STAFFING				0.8																
RFQ PROCESS				1.3																
DESIGN							4													
Land Acquisition					_		3.9													
CONSTRUCTION																			13.1	
COMMISSIONING																				1
-																				

*Dates are subject to change.

PERMITTING

Several regulatory and permitting actions still need to be completed before construction can begin. Most are expected in 2018.

- National Environmental Policy Act
 RECORD OF DECISION
- National Historic Preservation Act SECTION 106 COMPLIANCE
- Clean Water Act Water Quality Certification
 SECTION 401
- California Department of Fish and Wildlife Lake and Streambed Alteration Agreement
 SECTION 1602
- U.S. Army Corps of Engineers
 SECTION 404 PERMIT and SECTION 14 PERMIT
- State Water Resources Control Board
 CHANGE PETITION
- Delta Stewardship Council
 DELTA PLAN CERTIFICATION OF CONSISTENCY

2018/2019 PROCUREMENT SCHEDULE - REQUEST FOR QUALIFICATIONS (RFQ)

	2018										2019		
RFQ	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	JAN	FEB	MAR
EXECUTIVE DIRECTOR SERVICES	•												
ENGINEERING DESIGN MANAGER	•												
REAL ESTATE SERVICES	•		_										
SURVEY, MAPPING, ROW-ENG/TITLE SERVICES	•		_										
GEOTECH	•												
POWER				C)	•	-						
OUTREACH AND COMMUNICATIONS				C		•							
LEGAL				C)	•							
ENVIRONMENTAL PERMITS					(C	•	-					
QUALITY					(D	•	-					
PERFORMANCE MANAGEMENT					(C	•	-					
INTERNAL AUDIT							0	•	-				
CONVEYANCE MITIGATION							0						
UTILTIES AND ROADS										0		•	
TUNNELS AND SHAFTS										0		•	
INTAKES										0		•	
PUMPING PLANTS										0		•	
FOREBAYS										0		•	
*Not a complete list; issuance dates are subject to change	2.												
Advertise Consultant Response P		Con:	sultant Re	sponse Du	le	A	gency Sel	ection Pe	riod	Awa P	ard age 48	of 67	

DELTA CONVEYANCE DESIGN AND CONSTRUCTION JOINT POWERS AUTHORITY BOARD OF DIRECTORS MEETING

REGULAR MEETING

Thursday, May 17, 2018

2:00 p.m.

SACRAMENTO PUBLIC LIBRARY, TSAKOPOULOS LIBRARY GALLERIA 828 I Street, Sacramento, CA 95814

<u>AGENDA</u>

Assistance will be provided to those requiring accommodations for disabilities in compliance with the Americans with Disabilities Act of 1990. Interested persons must request the accommodation at least two working days in advance of the meeting by contacting the Design Construction Authority support staff at (916) 347-0486 or info@dcdca.org.

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL

4. PUBLIC COMMENT

Members of the public may address the Authority on matters that are within the Authority's jurisdiction. Speakers are limited to three minutes each. Persons wishing to speak are requested to complete speaker cards.

5. OTHER MATTERS

- a. Acknowledge receipt of documentation for the appointment of new Directors and Alternative Directors:
 - i. Tony Estremera Director and President from SCVWD
 - ii. Barbara Keegan Alternate Director from SCVWD
 - iii. Richard Atwater Director and Vice President from MWDSC
 - iv. Steve Blois Director from MWDSC
 - v. Stephen Arakawa Alternate Director from MWDSC
 - vi. Shane Chapman -Alternate Director from MWDSC
 - vii. Sarah Palmer Director from SWC member at large, Zone 7
 - viii. To be named Alternate Director from SWC member at large
- b. Appointment of Secretary
- c. Designate regular meeting time and place
 - i. Every third Thursday of each month at 2:00 pm
 - ii. Sacramento Public Library, Tsakopoulos Library Galleria 828 I Street, Sacramento, CA 95814

6. CONSENT CALENDAR

Items on the Consent Calendar are considered to be routine by the Board of Directors and will be enacted by one motion and one vote. There will be no separate discussion of these items unless a director so requests, in which event the item will be removed from the Consent Calendar and considered separately.

a. No Consent Calendar Items

7. SCHEDULED ITEMS

- a. Adopt the CEQA determination for actions pursuant to Joint Exercise of Powers Agreement with the Department of Water Resources that the Board has reviewed and considered the BDCP/California WaterFix Environmental Impact Report and related documents and adopts the lead agency's findings, SOC, and MMRP
- b. Authorize Alternate Director Shane Chapman to execute professional service agreement for Interim Executive Director services with Management Partners and to act as agreement administrator
- c. Authorize Alternate Director Shane Chapman to execute professional service agreement for Interim General Counsel services with Best Best & Krieger LLP and to act as agreement administrator
- d. Authorize the Board President to execute the Joint Exercise of Powers Agreement Between the Department of Water Resources and the Delta Conveyance Design and Construction Joint Powers Authority
- e. Authorize the Executive Director to solicit Auditor services for Board consideration
- f. Authorize the Executive Director to negotiate and execute an inter-agency agreement with the Metropolitan Water District of Southern California to provide treasury and accounting services
- g. Authorize the Executive Director to negotiate and execute inter-agency agreements to provide other services
- Authorize Authority staff to prepare and file all necessary documents related to the formation of a joint powers authority and to take other steps necessary and convenient for the creation of a public agency

8. REPORTS AND ANNOUNCEMENTS

- a. Executive Director Report
- b. General Counsel Report

9. FUTURE AGENDA ITEMS

10. ADJOURNMENT

*	* :	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
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SIGNING OF JOINT EXERCISE OF POWERS AGREEMENT (if authorized)

Item No. 5



DISCUSSION ITEM June 6, 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

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

DETAILED REPORT

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 a	amount: None	Core _X_	Choice
Action item amount: N/	A	Line item:		
Fiscal Impact (explain if	unbudgete	d):		

ISSUE BRIEF # A

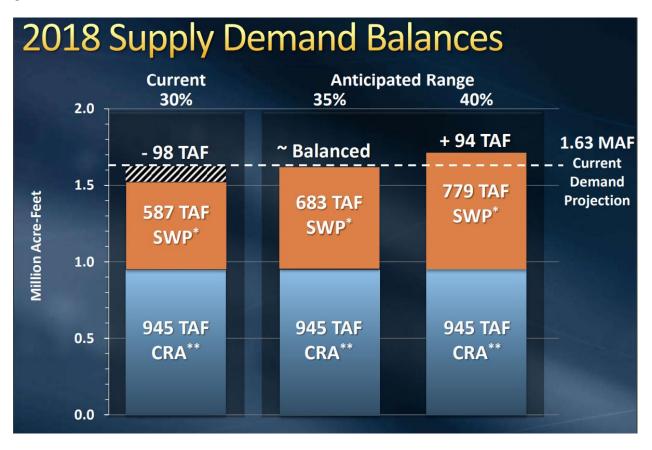
SUBJECT: MET's Water Supply Conditions

RECENT ACTIVITY

2018 Water Supply Balance

In May, the Department of Water Resources (DWR) increased the State Water Project (SWP) "Table A" allocation to 35%, giving Metropolitan approximately 683 thousand acrefeet (TAF) in SWP deliveries this water year. In addition, on the Colorado River system, Metropolitan estimates a total delivery of 945 TAF.

With estimated total demands and losses of 1.63 million acre-feet (MAF), at a 35% SWP allocation, Metropolitan is projecting that demands will equal supply levels in CY 2018. Based on this, estimated total dry-year storage for Metropolitan at the end of CY 2018 will go down to 2.5 MAF.



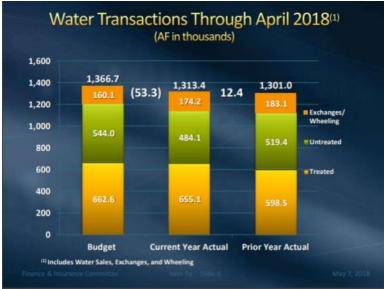
ISSUE BRIEF # B

SUBJECT: **MET's Finance and Rate Issues**

RECENT ACTIVITY

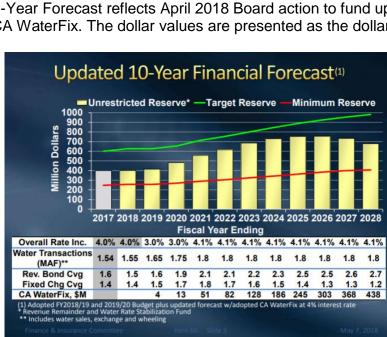
MET Financial Report

Water transactions through April were 53.3 TAF lower than budget and 149.7 TAF lower than the 5-year average. Deviation from the budget is a result of continued low untreated water sales.



Updated 10-Year Forecast

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



SUBJECT: Colorado River Issues

RECENT ACTIVITY

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

Reclamation uses the April 24-Month Study to predict inflows in Lake Powell, model possible reservoir elevations, and pursuant to the 2007 Interim Guidelines, determine, operations of Lake Powell. Water Year 2018 will be governed by the Upper Elevation Balancing Tier. A nine million acre-foot release from Lake Powell is expected, however actual releases may vary due to hydrology through the remainder of the year. If the minimum release of 8.23 million acre-feet occurs under the most probable scenario, end of water year elevation in Lake Mead is predicted to be just over 1,075 feet, which is just above the elevation triggering shortage in the Lower Basin. Runoff projections of unregulated inflow into Lake Powell from April to July 2018 are 43 percent of the 30-year average. Consistent with Section 2.B.5 of the 2007 Interim Guidelines, in 2018 the Intentionally Created Surplus (ICS) Condition applies, which gives Metropolitan and other ICS contractors the option to order delivery of ICS.

Bard Water District's (Bard) Pilot System Conservation Program Agreement

Following the successful conclusion of the Metropolitan-Bard two-year fallowing pilot program in 2017, Bard has committed to establish a seasonal land fallowing program for landowners and lessees to fallow during 2018 and 2019, not to exceed 2,000 acres each year, for a four-month period from April to August to conserve up to an estimated 3,600 acre-feet of water per year through an agreement in the Pilot System Conservation Program. In order to facilitate this pilot program, Metropolitan has agreed not to request delivery of any water created by the program.

Letters from the Upper Colorado River Commission (UCRC) and Denver Water

On April 13, the UCRC sent a letter to the director of the Arizona Department of Water Resources and on April 16, Denver Water sent a letter to the chairman of the Central Arizona Water Conservation District regarding positions taken in Arizona that may negatively impact development of water operations and implementation of the Drought Contingency Plan. As of the date of this report, neither agency in Arizona has provided a written response to the two letters.

ISSUE BRIEF # D

SUBJECT: Bay Delta/State Water Project Issues

RECENT ACTIVITY

California WaterFix

On April 10, the Board of Directors voted to provide the additional financing necessary to allow for the construction of the full California WaterFix project. The Board authorized \$10.8 billion for the project to modernize the state's water delivery system. Metropolitan would be responsible for its 47 percent of the State Water Project share of 6000 cfs and fully responsible for the remaining 3000 cfs capacity. Metropolitan's action helps to ensure the project is completed as originally proposed and studied. Metropolitan's portion of financing is expected to cost households in its service area on average up to \$4.80 a month, though that average cost would be reduced as Metropolitan recoups some of its investments from other agencies anticipated to have the need for conveyance. The full project better accomplishes WaterFix's co-equal goals of improving the environment and securing supply reliability. The 9000 cfs capacity allows flexibility to capture the high flows of big storms that climate change is expected to bring and reduces reverse flows in the south Delta that disrupt the Delta's ecology.

The California WaterFix Petition proceedings before the State Water Resources Control Board (SWRCB) are ongoing. Part 2 of the hearings, which consider the effects of the proposed project on fish and wildlife, resumed on February 22 and are continuing this month. Metropolitan staff is continuing to review the information presented by hearing participants and is coordinating with State Water Contractors to participate in the hearing.

Science Activities

The second year of field studies for the Salmon Predation Study (Study) is underway at Bouldin Island. This Study was funded by a California Department of Fish and Wildlife grant, with matching funds from Metropolitan. The Study is examining how the number of predators impact juvenile salmon survival, and how the interaction between habitat features and predators impact juvenile salmon survival. The field work for the Study will be completed in May 2018 and a preliminary report of findings will be available in July 2018.

Metropolitan staff participated in two workshops addressing the Winter-Run Life Cycle Model, which has been used in the recent National Marine Fisheries Service (NMFS) Biological Opinion for California WaterFix. The workshop provides stakeholders an opportunity to understand the model, identify knowledge gaps, and propose improvements. This particular workshop reviewed how stakeholder comments to date have been incorporated into the model, updates to the particle tracking model element, how ocean harvest of salmon is incorporated into the model, and the schedule for completing some of these updates.

Metropolitan staff participated in a workgroup to identify research needs in the Sutter Bypass to better understand benefits of this habitat to juvenile salmonids. Since the initiation of this group, approximately one year ago, members of the group have started several studies that are currently underway to examine lower trophic level community, fish community, and juvenile salmon growth rates in the Sutter Bypass under flooding and non-flooding conditions. Information from these studies will be presented at the Bay-Delta Science conference in September 2018.

Metropolitan staff is participating in the Structured Decision Making Process for Scientific Management in the Bay-Delta, which is sponsored by the U. S. Bureau of Reclamation and the Delta Science Program. The objective of this effort is to develop a decision support tool to evaluate proposed Bay-Delta management options in a transparent manner. The process is facilitated by Dr. James Peterson of Oregon State University, and it includes consideration of actions to benefit Delta smelt and salmon. The April meeting focused on evaluation of existing decision support models for Delta smelt.

On April 6, Metropolitan staff participated in a workshop sponsored by the Delta Science Program to provide input on the update to the Delta Science Plan. The workshop discussion focused on the policy-science interface, modeling collaboration, integrated monitoring, and adaptive management. The Delta Science Program is expected to release a draft revised Delta Science Plan for public comment in the summer of 2018.

On April 9, Metropolitan staff met with scientists from San Francisco State University, ICF International, California Department of Fish and Wildlife, US Geological Society, and Resource Management Associates to coordinate our collective Longfin Smelt Prop 1 grantfunded projects. The group discussed new and developing analyses as well as publications.

Metropolitan staff continued participation in the Collaborative Science and Adaptive Management Program, including participation on the Collaborative Adaptive Management Team (CAMT). In April, Metropolitan staff provided comments on the draft Delta Smelt Entrainment Study report. The study suggests that factors of water exports, hydrology, precipitation, and abundance correlate with Delta smelt salvage at the water projects Delta pumping plants. The study is organized in three parts, with Part 1 close to completion and ready for CAMT review. Parts 2 and 3 are still being reviewed by the Delta Smelt Scoping Team. Metropolitan staff also worked with the CAMT salmon subcommittee to develop a comprehensive, long-term research strategy for salmonids in the Delta. To support this effort, the subcommittee is planning a two day in-person workshop to provide an opportunity for researchers and managers to share within and across their groups their science needs, endeavors, and challenges. The objective of the workshop is to facilitate coordinated investigation into the mechanisms behind juvenile salmonid survival to support the development of forecasting and other management-related decision support tools.

Delta Flood Emergency Management Plan

The California Department of Water Resources (DWR) has modified the emergency response tool (ERT) to facilitate the analysis of proposed emergency response actions to respond to catastrophic levee failures in the Delta. The ERT has been modified to isolate the effectiveness of selected channels independent of others for conveyance to the export pumps. DWR is using the modified tool to evaluate use of south Delta channels to convey San Joaquin River flows to export facilities ahead of emergency freshwater pathway implementation. Metropolitan staff will review the results of these studies, and the information will be included in the Delta Flood Emergency Management Plan (DFEMP). DWR is expected to announce the schedule for the completion of the DFEMP soon, after briefing their management.

ISSUE BRIEF # E

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

RECENT ACTIVITY

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.

At the February 9, 2018 Santa Ana Regional Water Quality Control Board (SARWQCB) meeting, SARWQCB staff provided an overview of the required analyses that must be considered for permit renewal for desalination facilities pursuant to Water Code section 13142.5(b) and the Desalination Amendment to the California Ocean Plan. The SARWQCB will consider renewal of the Poseidon Permit for the project in 2018 and will be the first in the state to implement the Desalination Amendment.

Finally the California Coastal Commission will then consider approval of a Coastal Development Permit. OCWD is still working on the system integration concepts.

SUBJECT: Orange County Reliability Projects

RECENT ACTIVITY

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

MWDOC staff and consultant CDM Smith continue to work on the 2018 OC Reliability Study update which looks at both supply (drought supply) reliability and system (emergency) reliability. The update uses modeling assumptions based on more recently available information on future assumptions for the Integrated Water Resources Plan (IRP), Colorado River, and State Water Project (SWP). The update looks to include modeling of SWP supplies once the California WaterFix volumes are determined.

MWDOC staff has been working to obtain the updated modeling of SWP supplies with the WaterFix in place assuming MET only participates in the yield from one of the tunnels (this assumes that full repayment and yield from the second tunnel goes to other entities). In addition, staff has been working to prepare updated MET water rate forecasts for the same scenario. Assuming the information is made available to our consultant CDM-Smith by June 8, 2018, the schedule for completing the OC Water Reliability Study Update is below.

		June			Ju	ily		August						
Task	2	3	4	1	2	3	4	1	2	3	4			
Scenario Gap Analysis														
Evaluation of Projects														
Draft TM														
Revised Draft TM														
Presentation for Agencies														
Final TM														
Board Presentation														

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 discussing concepts for pumping groundwater into the EOCF No. 2 for conveyance to SOC during an emergency event. MWDOC staff had a preliminary discussion with MET senior staff at a February 8th meeting. Now that MET staff have had a chance to review the details, a follow up meeting with MET senior staff is being scheduled in June to get METs reaction to these concepts.

ISSUE BRIEF # H

SUBJECT: South Orange County Projects

RECENT ACTIVITY

UPDATED - Doheny Desal Project

South Coast WD released the Doheny Ocean Desalination Project Draft Environmental Impact Report (EIR) on May 17, 2018 for public comments. A Draft EIR Public Meeting will be held on June 26, 2018 at 6:00pm at Capistrano Unified School District Education Center. Comments on the Draft EIR are due by July 23, 2018.

GHD is also developing a Scope of Work for a 3rd party legal firm to assist with Design-Build-Operate (DBO) contract development. Release of the Request for Qualifications (RFQ) for interested 3rd party legal firms is anticipated the week of May 28, 2018. Proposals are due to South Coast WD by the end of June 2018.

SMWD Trampas Canyon Recycled Water Reservoir

The Notice to Proceed was issued January 30, 2018 and the project is now 13% complete. The project is designed to create 5,000 acre-feet of recycled water storage capacity and will be the largest surface water reservoir in South Orange County. The project is currently projected to conclude on or before December 20, 2019.

San Juan Watershed Project

Santa Margarita Water District (SMWD) continues working on the San Juan Watershed Project. Phase 1 is designed to capture 30 - 2,000 AFY (average of 700 AFY) of wet and dry weather urban runoff through the installation of rubber dams along the lower portion of San Juan Creek. Subsequent project phases are planned to introduce recycled water into San Juan Creek for infiltration into the groundwater basin.

The Draft Program Environmental Impact Report (Draft PEIR) was circulated for a 65-day public review period, which ended February 23, 2017. The PEIR was originally scheduled for adoption in March 2018. Due to the complexity of some of the issues associated with the steelhead trout which were raised during the public comment period, additional environmental studies are required. SMWD Board adoption of the PEIR has been postponed until the required studies are completed.

Other Information on South County Projects:

Expansion of the South County Interconnection Project

An agreement completed in 2006 resulted in an investment by South Orange County (SOC) agencies in the Irvine Ranch Water District (IRWD) system to allow exchanges of water to be delivered by IRWD into SOC under emergency situations. Project capacity was committed by IRWD to move up to 30 cfs of emergency supplies whereas the agreement allows moving up to 50 cfs, not to exceed 3,000 AF per emergency event. In accordance with the Agreement with IRWD, the monthly emergency capacity committed to the SOC agencies declines over time with zero capacity available in the months of July through September beginning in 2020 and goes to zero in all months by 2030. Under all circumstances IRWD will provide best efforts to help with emergency supplies.

The Board awarded a contract to Dudek on April 18, 2018 to study the ability/constraints of IRWD's system to move water through their system to SOC agencies into the future. A kick-off meeting with IRWD staff, MWDOC staff, and Dudek was held May 14, 2018. A draft report is anticipated in September 2018.

MWDOC is also working on other options with OCWD and MET to move groundwater via the EOCF#2 to SOC during emergency events. A preliminary meeting with MET senior staff was held in February 2018. Now that MET staff have had time to review the details, a follow up meeting with MET senior staff is being scheduled for June 2018.

Laguna Beach County Water District Groundwater Project with Newport Beach

MWDOC, MET, Laguna Beach County Water District and Newport Beach have been working to activate Laguna Beach County's access to 2,025 AF of groundwater from within the Orange County Water District Basin. Deliveries began in September 2016. MWDOC staff met individually with Laguna Beach County and Newport Beach in August to discuss possible future facility and operational modifications to the MET system as LBCWD now sources some of its supplies from the basin.

A meeting was held on February 8th between staff from MWDOC and senior MET staff to discuss a series of alternatives for CM-1 and the concurrent ability to deliver MET water and groundwater to LBCWD through Newport Beach's water system. MWDOC staff will explore MET's reaction to the alternatives identified at the above mentioned June meeting with MET senior staff.

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 or may be discontinued due to the permitting requirement of completing a full EIR for a simple temporary test facility.

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 <u>kseckel@mwdoc.com</u>.

Summary Report for The Metropolitan Water District of Southern California Board Meeting May 8, 2018

COMMITTEE ASSIGNMENTS

Director Dake was appointed as Chair of the Finance and Insurance Committee, and Director Faessel was appointed as the Vice Chair of Finance and Insurance Committee. Director Barbre will remain a member on the Finance and Insurance Committee. Director Ballin was appointed as Vice Chair of the Audit and Ethics Committee. (Agenda Item 5D)

FINANCE AND INSURANCE COMMITTEE

Adopted the resolution to continue collecting the Standby Charge for fiscal year 2018/19. (Agenda Item 8-1)

Approved the draft of Appendix A attached to the board letter; authorized the General Manager, or other designee of the Ad Hoc Committee, to finalize, with changes approved by the General Manager and General Counsel, Appendix A; and authorized distribution of Appendix A, finalized by the General Manager or other designee of the Ad Hoc Committee, in connection with the sale or remarketing of bonds. (Agenda Item 8-2)

Adopted the Fourth Supplemental Subordinate Resolution to the Master Subordinate Resolution authorizing the issuance of up to \$80 million of Subordinate Water Revenue Bonds, 2018 Series and providing the terms and conditions for the sale and issuance of said Subordinate Water Revenue Bonds; and approved up to \$150,000 for the payment of the costs of issuance of the Subordinate Water Revenue Bonds, 2018 Series to be paid from bond proceeds or Metropolitan funds. (Agenda Item 8-3)

ENGINEERING AND OPERATIONS COMMITTEE

Appropriated \$3.1 million; authorized design to replace Casa Loma Siphon Barrel No. 1; and authorized agreement with Carollo Engineers, Inc., in an amount not to exceed \$2.2 million, for specialized design services (Appropriation No. 15480). (Agenda Item 8-4)

Appropriated \$13 million; and awarded \$12,068,634.98 contract to Ameron Water Transmission Group to provide steel liner pipe for the Second Lower Feeder (Appropriation No. 15497). (Agenda Item 8-5)

Appropriated \$5.85 million; and awarded \$3.74 million contract to Mladen Buntich Construction Company, Inc. for construction of domestic and fire water system improvements at the La Verne site (Appropriation No. 15477). (Agenda Item 8-6)

Appropriated \$3 million; awarded \$939,000 contract to CSI Electrical Contractors, Inc. to replace the Uninterruptible Power Supply systems at the CRA pumping plants; and authorized preliminary design to rehabilitate the auxiliary power system at Iron Mountain Pumping Plant (Appropriation No. 15384). (Agenda Item 8-7)

REAL PROPERTY AND ASSET MANAGEMENT COMMITTEE

Affirmed the General Manager's determination that the four single family houses in Riverside County are surplus and carry out the sale and disposition of the houses through open listing or auction. (Agenda Item 8-8)

LEGAL AND CLAIMS COMMITTEE

Authorized the General Counsel to retain the firms listed in this board letter as bond counsel and cobond counsel through June 30, 2021; and determined that bond counsel and co-bond counsel fees may be approved by the General Counsel in amounts sufficient to procure bond counsel and co-bond counsel services for bond issues and for legal advice, as described in the board letter. (Agenda Item 8-9)

Authorized the General Counsel to amend the existing agreement with Best Best & Krieger LLP to increase the maximum amount payable by Metropolitan by \$400,000 to an amount not to exceed \$500,000. (Agenda Item 8-11)

Authorized the General Counsel to amend the existing agreement with Hunton Andrews Kurth LLP to increase the maximum amount payable by Metropolitan by \$350,000 to an amount not to exceed 450,000. (Agenda Item 8-12)

ORGANIZATION AND TECHNOLOGY COMMITTEE

Authorized the General Manager to exercise discretion under Administrative Code Section 6101(k) to enter into a successor MOU with the Supervisors Association. (Agenda Item 8-10)

COMMUNICATIONS AND LEGISLATION

Authorized the General Manager to express opposition to AB 3045 (Gallagher, R-Yuba City). (Agenda Item 8-13)

CONSENT CALENDAR

In other actions, the Board:

Adopted the resolution granting approval for Calleguas Annexation No. 102 concurrently to Calleguas and Metropolitan and establish Metropolitan's terms and conditions for the annexation (Attachment 3), conditioned upon approval by the Ventura Local Agency Formation Commission, and upon receipt of the annexation fee of \$9,196.54. (Agenda Item 7-1)

Appropriated \$890,000; authorized final design to replace the on-site wastewater system at Lake Mathews; and authorized final design to upgrade the Disaster Recovery Facility at Lake Mathews. (Agenda Item 7-2)

Authorized granting a permanent easement to the California Department of Transportation to facilitate widening State Route 74 across the San Diego Aqueduct Canal Siphon. (Agenda Item 7-3)

Authorized granting a 25 year license to Verizon Wireless for access. (Agenda Item 7-4)

OTHER MATTERS

The Board:

Elected Director Pressman to the Executive Committee to fill Director Hogan's unexpired term through January 9, 2019. (Agenda Item 5C)

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: <u>http://mwdh2o.com/WhoWeAre/archived-board-meetings</u>

Item No. 6b



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Meeting - STREAMING PAGE

June 12, 2018

12:00 p.m.

Official Agendas, presentations, and attachments may be found here

1. Call to Order

- (a) Invocation: Arman Motavvef, Assistant Engineer, Engineering Services
- (b) Pledge of Allegiance: Director John W. Murray, Jr., City of Los Angeles

2. Roll Call

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

5. OTHER MATTERS

- A. Approval of the Minutes of the Meeting for May 8, 2018 (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 May 2018
- 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 May 2018
- B. General Counsel's summary of activities for the month of May 2018 Page 65 of 67

- C. General Auditor's summary of activities for the month of May 2018
- D. Interim Ethics Officer's summary of activities for the month of May 2018

7. CONSENT CALENDAR ITEMS — ACTION

7-1 Adopt CEQA determination and approve up to \$1.176 million to purchase insurance coverage for Metropolitan's Property and Casualty Insurance Program. (F&I)

7-1 Board Letter

7-2 Adopt CEQA determination and appropriate \$450,000 for the Water Ordering and Energy Scheduling System (Appropriation No. 15501.) (OP&T)

7-2 Board Letter

 7-3 Adopt CEQA determination and authorize payment of up to \$708,800 for support of the Colorado River Board and Colorado River Authority for fiscal year 2018/19. (WP&S)

7-3 Board Letter

8. OTHER BOARD ITEMS — ACTION

8-1 Adopt CEQA determination and approve Metropolitan's Statement of Investment Policy for fiscal year 2018/19, and delegate authority to the Treasurer to invest Metropolitan's funds for fiscal year 2018/19. (F&I)

8-1 Board Letter

8-2 Adopt CEQA determination and appropriate \$7.7 million; and award \$5,553,669 contract to Henkels & McCoy, Inc. to replace the 2.4 kV power line at Intake Pumping Plant (Appropriation No. 15438.) (E&O)

8-2 Board Letter

8-3 Adopt CEQA determination and appropriate \$10 million; and authorize capital program for projects costing less than \$400,000 for fiscal years 2018/19 and 2019/20 (Appropriation No. 15504.) (E&O)

8-3 Board Letter

9. BOARD INFORMATION ITEMS

- 9-1 Update on Conservation Program
 - 9-1 Board Letter

9-2 Information on the proposed State Water Project Contract Extension Amendment (WP&S)

9-2 Board Letter with corrected attachment

- 10. FOLLOW-UP ITEMS
- 11. FUTURE AGENDA ITEMS
- 12. ADJOURNMENT