

WORKSHOP MEETING OF THE
BOARD OF DIRECTORS WITH MET DIRECTORS
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
18700 Ward Street, Board Room, Fountain Valley, California
September 5, 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. 2075)

- **MICHAEL CAMACHO (INLAND EMPIRE UTILITIES AGENCY) 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. **PRESENTATION BY MET RE SANTA ANA REGIONAL CONSERVATION CONJUNCTIVE USE PROGRAM (SARCCUP)**

Recommendation: Receive input and discuss the information.

3. CALIFORNIA WATERFIX ACTIVITIES UPDATE

Recommendation: Review and discuss the information presented.

4. 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.

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

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

Recommendation: Review and discuss the information presented.

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.



DISCUSSION ITEM
September 5, 2018

TO: Board of Directors

FROM: Robert Hunter,
General Manager

Staff Contact: Harvey De La Torre
Melissa Baum-Haley

**SUBJECT: PRESENTATION ON THE SANTA ANA REGIONAL CONSERVATION
CONJUNCTIVE USE PROGRAM (SARCCUP) BY METROPOLITAN STAFF**

STAFF RECOMMENDATION

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

COMMITTEE RECOMMENDATION

This item was not presented to a Committee.

REPORT

In 2013, the five regional water agencies in the Santa Ana River Watershed came together in a collaborative effort to identify a watershed-scale project and prepare a joint application for Proposition 84 funding. The group includes representatives from the following regional water agencies:

- Eastern Municipal Water District
- Inland Empire Utilities Agency
- Orange County Water District
- San Bernardino Valley Municipal Water District
- Western Municipal Water District

Budgeted (Y/N): N/A	Budgeted amount: None	Core <input checked="" type="checkbox"/> _X_	Choice <input type="checkbox"/> __
Action item amount: N/A		Line item:	
Fiscal Impact (explain if unbudgeted):			

The recommended project is the Santa Ana River Conservation & Conjunctive Use Program (SARCCUP), which was successful in receiving \$55 million in grant funds from Proposition 84 through the Santa Ana Watershed Project Authority's Integrated Regional Water Management funding process.

The SARCCUP consists of three main program elements:

1. **Water Use Efficiency:** Assistance for a agencies to develop budget-based rates
2. **Habitat Creation:** Establish habitat for Santa Ana Sucker fish and water consuming non-native *Arundo donax* (common name: giant reed) along the Satan Ana River
3. **Watershed-Scale Cooperative Water Banking Program:** Water banking facilities in four locations with coordinated operations to store water in wet years and provides a new extraordinary supply during droughts and emergencies resulting in additional Dry-Year Yield

A decision support model was developed to help the SARCCUP agencies evaluate the benefits and costs associated with the final proposed facilities. Table 1 below lists the proposed water bank size and banking facilities by participating agency.

Table 1. Proposed Water Bank Size & Banking Facilities

Agency	Groundwater Basin	Facilities	Bank Size
EMWD	San Jacinto Basin	3 Wells & Recharge Site	19,500 AF
IEUA	Chino Basin	2 Wells	50,000 AF
OCWD	Orange County Basin	None Required.	36,000 AF
SBVMWD	Bunker Hill Basin	None Required.	64,000 AF
WMWD	Riverside and Elsinore Basins	3 Wells, CRA Crossing, Cannon Campbell Pump Station & La Sierra Pipeline	10,500 AF
Total Water Bank Size			180,000 AF

At this September 5 MWDOC Board Workshop, Metropolitan staff will provide an overview presentation on the Santa Ana River Conservation & Conjunctive Use Program.



DISCUSSION ITEM

September 5, 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.

COMMITTEE RECOMMENDATION

This item was not presented to a Committee.

REPORT

Joint Powers Authorities

The two public joint powers authorities have been formed to aid in the implementation of California WaterFix— Delta Conveyance Design and Construction Authority (DCA) and Delta Conveyance Finance Authority (Finance Authority). On July 19, the DCA held its second meeting since formation and approved a budget for FY 2018/19. The Finance Authority held its first meeting on July 19, at which it selected its Board officers and authorized executing an agreement for services of Brian Thomas as Interim Executive Director. Randy Record, Metropolitan's Chairman of the Board, was selected as Board President for the Finance Authority. Gary Kremen, representing Santa Clara Valley Water District, was selected as Vice President, and Jeff Davis, representing San Geronio Pass Water Agency was selected as Secretary. On July 27, the Finance Authority submitted a letter of interest to the U.S. Environmental Protection Agency for the Water Infrastructure Finance and Innovation Act program for assistance in financing California WaterFix.

Budgeted (Y/N): N/A	Budgeted amount: None	Core <input checked="" type="checkbox"/> _X_	Choice <input type="checkbox"/>
Action item amount: N/A		Line item:	
Fiscal Impact (explain if unbudgeted):			

Other Bay-Delta Issues

On July 18, the California Department of Water Resources (DWR) released a Draft Supplemental Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for California WaterFix. The document analyzes several proposed changes designed to reduce the project's footprint, and minimize impacts on environmental resources in the Bay-Delta, including wetlands and other water resources and local communities. Public comments will be accepted on the draft Supplemental EIR/EIS through September 17, 2018.

The Joint Legislative Budget Committee (JLBC) is required to hold an informational hearing under Section 147.5 of the Water Code. Existing law requires at least 60 days prior to the final approval of the renewal or extension of a long-term water supply contract between DWR and any State Water Project (SWP) contractor, DWR must present the terms, conditions and details relative to the contracts at an informational hearing before the JLBC and relevant policy and fiscal committees of both houses. The Legislature is not required to take action on the SWP contract extension as the statutory requirement requires only an informational hearing take place. At the time of this report, the JLBC had set and canceled a required hearing twice. An email from the Senate Pro Tem's office indicated it will be rescheduled within the next two weeks.

The Delta Reform Act, as implemented by the Delta Stewardship Council (DSC), requires a project proponent to certify through a Consistency Determination that proposed covered actions in the Sacramento-San Joaquin Delta are consistent with the co-equal goals identified in the Delta Reform Act and all applicable Delta Plan policies. On July 27, DWR formally submitted the Certification of Consistency with the Delta Plan for California WaterFix to the DSC. The July 27 filing opened a 30-day period for public review and appeal, closing August 26, 2018.

The State Water Resources Control Board (SWRCB) proceedings for the California WaterFix petition for additional point of diversion are ongoing. The evidentiary portion of Part 2 of the hearings, which consider the effects of the proposed project on fish and wildlife, concluded on April 25, 2018. The rebuttal phase starts on August 2, 2018, with the presentation of rebuttal testimony and cross examination. Metropolitan staff is coordinating with other State Water Project contractor agencies to prepare rebuttal testimony and participate in the hearings.

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.



DISCUSSION ITEM
September 5, 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 amount: None	Core <input checked="" type="checkbox"/> X	Choice <input type="checkbox"/>
Action item amount: N/A		Line item:	
Fiscal Impact (explain if unbudgeted):			

ISSUE BRIEF # A

SUBJECT: MET's Water Supply Conditions

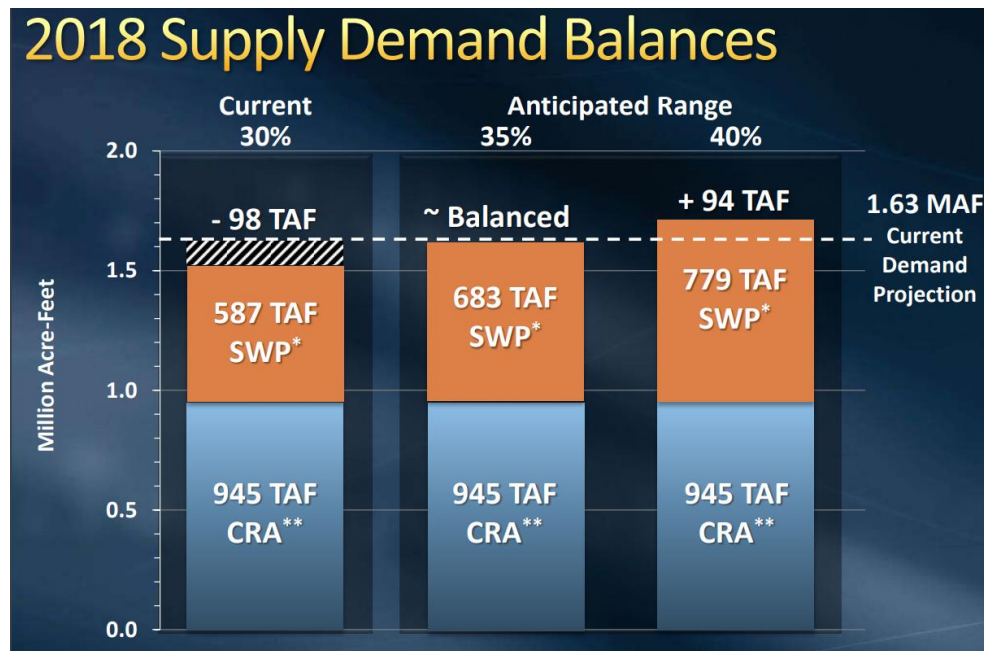
RECENT ACTIVITY

The Northern California accumulated precipitation (8-Station Index) is reporting **40.9 inches or 83% of normal** as of August 27. In the month of August 2018, accumulated precipitation reached 0.0 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 is at 47% of total capacity and 70% of normal. The San Luis Reservoir has a current volume of 47% of the reservoirs total capacity and is 108% of normal.

In May, the Department of Water Resources (DWR) increased the State Water Project (SWP) "Table A" allocation to 35%, giving Metropolitan approximately 669 thousand acre-feet (TAF) in SWP deliveries this water year. Metropolitan staff does not anticipate any further changes to this allocation.

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 a 0% chance of a shortage on the Colorado River in 2019, increasing to about 52% 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**

Water transactions through June 30, 2018 were 89 TAF lower than budget and 171 TAF lower than the 5-year average. While the Fiscal Year 2017-18 revenues from water transactions, based on 1.61 MAF of sales, were \$90.3 million less than the budget. Total revenues were only \$63.2 million (3.7%) below the budget. Of note, net taxes were \$30.8 million higher due to increased assessed values.

With regard to Fiscal Year 2017-18 expenses, the largest deviation from the budget resulted from State Water Contract costs coming in 12% lower than expected. Overall, the Fiscal Year 2017-18 total expenses were \$159.3 (9.4%) below budget.

ISSUE BRIEF # C

SUBJECT: Colorado River Issues

RECENT ACTIVITY

Drought Contingency Planning

The Principals of the seven Colorado River Basin States (Basin States) met near Park City, Utah, on July 30, 31 to discuss progress of development of the Lower Basin Drought Contingency Plan (DCP) and the Upper Basin DCP. At the meetings, principals and Metropolitan staff received updates from the Commissioner of the Bureau of Reclamation, Reclamation staff, and reports from the small group of representatives from the Basin States who have been drafting the set of implementing agreements that would be necessary for implementation of drought contingency plans.

The small drafting group had been tasked with developing a set of six documents that would serve as the draft interstate implementing agreements. Since June 19, 2018, the group has met six times and made significant progress in developing working drafts of most of the necessary interstate agreements. During the July 30, 31 Basin States meetings, the principals provided input and direction regarding outstanding policy considerations, which the small group will take back for the next rounds of drafting meetings throughout August 2018.

Representatives of the Arizona Department of Water Resources and the Central Arizona Project provided an update on Arizona's Steering Committee (Steering Committee) Process. The Steering Committee is intended to address water user concerns within Arizona regarding the proposed DCP impact on Arizona and, if the Steering Committee process is successful, would result in consensus support of the DCPs and an intrastate implementing agreement within Arizona. The Steering Committee is scheduled to meet twice a month through December and has not indicated yet if and when it will take a position supporting the proposed Lower Basin DCP.

In addition to the interstate agreements needed to implement a Lower Basin DCP and an Upper Basin DCP, Metropolitan is working with other contractors to develop an approach for implementation of the Lower Basin DCP within California. If all these negotiations are successful, the Lower Basin DCP related interstate agreements and intrastate agreements could be brought to Metropolitan's Board for consideration later this year.

Palo Verde Irrigation District Program Following Call Made

On July 29, Metropolitan sent participating landowners in the Palo Verde Valley a notice that the following call from August 1, 2019 through July 31, 2020 will remain at 40% of the contractual maximum. This is the same following level that the farmers implemented on August 1, 2018. Prior to this month, from August 1, 2017 through July 31, 2018, the following call had been at 90%. Metropolitan staff lowered the following call as of August 2018 through July 31, 2020 due to improved storage in Metropolitan's service area.

ISSUE BRIEF # D

SUBJECT: Bay Delta/State Water Project Issues

RECENT ACTIVITY

State Water Resources Control Board

On July 6, the SWRCB released its draft final Bay-Delta Water Quality Control Plan (WQCP) amendments for the Lower San Joaquin River and Southern Delta as part of the Phase 1 process. The draft final proposal would revise water flow objectives in the Lower San Joaquin River and its major tributaries, the Stanislaus, Tuolumne and Merced Rivers, and would amend southern Delta salinity objectives. Metropolitan staff coordinated with the State Water Contractors (SWC) to develop and submit comments to the SWRCB on July 27. A SWRCB meeting to receive public comments and consider adoption is scheduled for August 21-22.

Also on July 6, the SWRCB issued a Phase 2 Framework document for updating flow requirements for the Sacramento River, its tributaries, and the Delta and its tributaries, including the Calaveras, Cosumnes and Mokelumne Rivers. The Framework document proposes tributary flow requirements for February to June based on percent of unimpaired flow, provides a narrative objective for cold water flows from reservoirs for the protection of salmon, describes new objectives for fall Delta outflow and interior Delta flows that are drawn from requirements from existing biological opinions, and provides additional guidance on implementation of voluntary agreements. For Phase 2, a draft proposed plan and Metropolitan staff report analyzing alternatives is expected to be released later this year for public review and comment.

Science Activities

Metropolitan staff organized and participated in a meeting with state and federal agencies to discuss how Chinook salmon loss and salvage at the State Water Project/Central Valley Project are calculated and reported. In the past there have been inconsistencies in how loss and salvage are reported and the group discussed ways to streamline this process and how to better present results on public platforms, such as SacPAS or Bay Delta Live.

One of the actions in the state's Delta Smelt Resiliency Strategy is to operate the Suisun Marsh Salinity Control Gates to improve habitat conditions for Delta smelt. DWR has been actively working to obtain permits and align resources to implement the Suisun Marsh Salinity Control Gate action starting August 1, 2018. Metropolitan staff is coordinating with DWR to provide input on the monitoring program for the action. DWR obtained final permits for the project in mid-July. SWC will supplement DWR's operations and monitoring program with additional monitoring to evaluate the effects of the action.

Metropolitan staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team (CAMT). In July, the CSAMP Policy Group received a presentation on the results of the Delta Smelt Entrainment Study, evaluating factors associated with salvage of adult Delta smelt. The Entrainment Study suggests that abundance, exports, hydrology, turbidity, and precipitation significantly correlate with salvage of Delta smelt. The study also found that proportional entrainment is low in recent years suggesting recent operations may have reduced entrainment risk. The CSAMP Policy Group discussed possible uses and

limitations of the study results and more work is expected to fully understand the usefulness and applicability. Metropolitan staff is participating in the CAMT salmon subcommittee, which is summarizing information gathered/learned from the CAMT Delta Salmonid Research Workshop that was held in June 2018 and identifying recommendations for scientific salmonid studies that CAMT could support.

Delta Flood Emergency Management Plan

DWR continues to develop and refine the Emergency Response Tool (ERT), which is a modeling tool to facilitate the analysis of proposed emergency response actions to respond to catastrophic levee failures in the Delta. In July, DWR completed ERT studies using sheet pile for freshwater pathway breach closures and found that pathway restoration and export outage could be reduced by a couple of months. DWR stated that with ERT refinements, they will determine minimum reservoir releases and optimum flow durations from Sacramento River and San Joaquin River reservoirs in conjunction with pathway restoration to achieve export resumption.

DWR completed a study to reduce costs of sheet pile acquisition for deep levee breach closures and increase efficiency of installation. DWR would increase pile thickness to accommodate expected corrosion and facilitate welding for field installation in lieu of purchasing coated sheet pile. This mode of acquisition will allow sheet pile closure of two to three levee breaches.

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

(Nothing new to report) The OCWD Board approved a new non-binding 2018 Water Reliability Agreement (Term Sheet) with Poseidon Resources On July 18, 2018.

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 amendments) which were approved by the State Water Resources Control Board in May 2015. Poseidon expects the SARWQCB to act on its permit in the next 6 months. Assuming success, Poseidon would then seek a permit from the California Coastal Commission in 2019.

ISSUE BRIEF # F

SUBJECT: Orange County Reliability Projects

RECENT ACTIVITY

Orange County Water Reliability Study

Staff and CDM Smith are working diligently to complete the 2018 Orange County Water Reliability Study Update. The current schedule anticipates conducting an initial workshop with our member agencies to QC the MWDOC and CDM work efforts on either September 20 or September 24 to receive initial input. Staff anticipates an update to the MWDOC P&O Committee on October 1st and then a presentation to WACO on October 5.

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 will be holding a meeting on August 31 to discuss, in a workshop setting, issues associated with the integration of local projects, especially with respect to mixing waters of differing qualities. This concept can include ocean desalination projects, other local project or projects such as the pump-in to the EOCF#2. We will have MET staff at the meeting to help us understand the associated concerns.

ISSUE BRIEF # H

SUBJECT: South Orange County Projects

RECENT ACTIVITY

UPDATED - Doheny Desal Project

(Nothing new to report) South Coast WD released the Doheny Ocean Desalination Project Draft Environmental Impact Report (EIR) on May 17, 2018. A Public Meeting for the EIR was held on June 26, 2018, and the EIR public comment period closed on August 6, 2018.

A Request for Qualifications (RFQ) for a 3rd party legal firm to assist with Design-Build-Operate (DBO) contract development was released and 5 proposals were received. Interviews are being scheduled for late August and it is anticipated that the South Coast WD Board will consider awarding a contract in September 2018.

South Coast WD staff also 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.

SMWD Trampas Canyon Recycled Water Reservoir

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 Construction Contract was awarded in December 2017 and is approximately 25% complete. The project is currently projected to conclude on or before mid-March 2020.



Main Dam Fill Operation at Elevation 412

Butler July 2018 Construction Progress Report

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:

Expansion of the South County Interconnection Project

Dudek was hired to assist MWD and IRWD regarding this effort as it includes modeling of the IRWD system to evaluate various options.

Phase 1 of the study is examining the ability of the **existing IRWD system** to convey water to SOC during emergency situations. The preliminary results of the Phase 1 evaluation indicates the following:

- Approximately 21 cfs (ranges from 16 cfs to 35 cfs) is available to send to SOC in 2018, however, most of that capacity goes away by 2022 as demands build in the IRWD system.
- With 10% conservation by IRWD, it appears as if additional capacity is available, but it drops to about 15 cfs by 2022 and will continue dropping until IRWD increases groundwater production.

Phase 2 will examine the **future ability of the IRWD system** (beyond 2025) to convey water to SOC during emergency situations. Phase 2 will also consider additional groundwater production for the IRWD service area of 12,500 AF per year to be developed by 2025. While exploring options for the future groundwater production, the study will also evaluate other options for conveying water to SOC as additional water production is brought on-line by IRWD. The Phase 2 work should be completed in October 2018.

The total needs of the SOC agencies are estimated to range between 31 and 43 cfs (equivalent to 20 to 27.5 mgd).

SMWD Indirect Potable Reuse

SMWD is studying the use of recycled water to augment the drinking water supply. They will be using CH2M Hill (Jacobs Engineering) to perform an initial review of options that may be available for the implementation of a drinking water augmentation project. This evaluation will identify the most feasible approach to implementing a project and then develop both the cost of treatment and identify the regulatory framework that SMWD will need to navigate to implement such a project. The Scope of Work will outline the options and provide up to five alternative concepts including the regulatory framework for each. Layouts and cost estimates will be prepared along with a technical memo discussing the results.

San Juan Basin Authority

The San Juan Bedrock Barrier Investigation is moving into the next phase with the completion of the two monitoring wells. The wells will be used to monitor groundwater responses to pumping pattern changes by both South Coast Water District and the City of San Juan Capistrano. The data collected at the new monitoring wells will help determine the following questions posed by Wildermuth Environmental:

- Is the aquifer east of the San Juan Creek conveying groundwater at rates that are enough to support pumping at the South Coast WD well field?
- Do the existing Orange County Public Work's sheet-piles impact the groundwater flow system between the City and South Coast WD well fields?

The San Juan Basin Authority is reviewing an Aquifer Test Work Plan to conduct two separate constant rate pumping tests to help answer the questions above. The two wells to be pumped are the South Coast's Stonehill well and the City's Kinoshita well. Testing is proposed to start shortly depending on the County's sheet pile schedule.

Fenner Valley Water Authority (FVWA)

Cadiz is continuing to pilot treatment facilities to remove hexavalent chromium, arsenic and nitrates from the Fenner Valley water. The levels of the minerals are less than current drinking water standards, however, they are higher than the ambient levels in the water being delivered in the Colorado River Aqueduct. The treatment process results are looking favorable and discussions with MET should start again soon regarding finding space in the aqueduct to convey the water into the Southern California coastal plain.

Formation of a South County Water Storage Coalition

In response to the discussions with OCWD, the Chino Basin Water Bank, the Santa Ana River Conservation and Conjunctive Use Program and now the Strand and Stockdale Integrated Water Banking Program, SMWD has suggested the formation of a South County Water Storage Coalition to the other SOC agencies. The purpose of the Coalition would be to participate in the discussions and development of programs to meet the storage needs of the SOC agencies. SMWD has requested each agency to submit its storage needs as part of a survey process.

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.

**Summary Report for
The Metropolitan Water District of Southern California
Special Board Meeting on August 20, 2018 and Board Meeting on
August 21, 2018**

COMMITTEE ASSIGNMENTS

Director Butkiewicz was appointed to the Communications and Legislation Committee and the Water Planning and Stewardship Committee. Director Smith was appointed to the Engineering and Operations Committee and the Finance and Insurance Committee. **(Agenda Item 5C)**

FINANCE AND INSURANCE COMMITTEE & SPECIAL BOARD MEETING (8/20)

Adopted the Resolution Levying Ad Valorem Property Taxes for the Fiscal Year Commencing July 1, 2018 and ending June 30, 2019 for the Purposes of The Metropolitan Water District of Southern California maintaining the tax rate at .0035% of assessed valuation (exclusive of annexation levies), the same rate levied in FY 2017/18; and directed staff to transmit that resolution to the county auditors for the levy and collection of the ad valorem property tax. **(Agenda Item 5A-2)**

ENGINEERING AND OPERATIONS COMMITTEE

Authorized agreements with AECOM Technical Services, Inc. and Stantec Consulting Services, Inc. in an amount not to exceed \$2 million per year each, for a maximum period of five years; and authorized agreements with Kennedy/Jenks Consultants and Lee & Ro, Inc. in an amount not to exceed \$1 million per year each, for a maximum period of five years. **(Agenda Item 8-2)**

Appropriated \$7 million; and awarded \$5,416,000 contract to Kiewit Infrastructure West Company to repair the lining within the yard piping at Wadsworth Pumping Plant. (Appropriation No. 15480) **(Agenda Item 8-3)**

Appropriated \$2.81 million; awarded \$2,169,716.24 procurement contract to Gosiger West to furnish a vertical machining center for the La Verne Shops; and authorized increase of \$200,000 to an agreement with Richard Brady & Associates, Inc., for a new not-to-exceed total of \$646,000, to provide design services. **(Agenda Item 8-4)**

COMMUNICATIONS AND LEGISLATION COMMITTEE

Take a watch position on Section 437 of H.R.6147. **(Agenda Item 8-5)**

LEGAL AND CLAIMS COMMITTEE

Authorized the General Manager, with the approval of the General Counsel, to settle the Contract Case in *Central Delta Water agency, et al. v. Delta Wetlands Properties, et al.* on the terms described in the Board letter. **(Agenda Item 8-7)**

Authorized increase in maximum amount payable under contract for legal services with Horvitz & Levy, LLP in the *SDCWA v. Metropolitan, et al.* rate litigation in the amount of \$150,000 for a total amount not to exceed \$450,000. **(Agenda Item 8-8)**

CONSENT CALENDAR

In other actions, the Board:

Appropriated \$650,000; and authorized final design of Stage 3 improvements for West Valley Feeder No. 1. (Appropriation No. 15377) **(Agenda Item 7-1)**

Appropriated \$560,000; and authorized relocation of equipment for Service Connections WB-2A & WB-2B on the West Basin Feeder. (Appropriation No. 15503) **(Agenda Item 7-2)**

Appropriated \$680,000; authorized the purchase and implementation of an infrastructure upgrade for Metropolitan's Geographic Information System (GIS) software and hardware environment; and authorized a \$385,500 agreement with Esri for the purchase and implementation of an infrastructure upgrade for Metropolitan's GIS software and hardware environment. (Appropriation No. 15501) **(Agenda Item 7-3)**

Authorized the General Counsel to increase the amount payable under its agreement with Olson Hagel & Fishburn LLP by \$100,000 to a maximum amount payable of \$200,000. **(Agenda Item 7-4)**

Authorized the General Manager to enter into the Water Service Agreement with Sycuan, SDCWA, and Padre Dam. **(Agenda Item 7-5)**

OTHER MATTERS

The Board:

Inducted new Director Jerry Butkiewicz representing San Diego County Water Authority. **(Agenda Item 5E)**

Inducted new Director Tim Smith representing San Diego County Water Authority (Director Smith was absent but was previously sworn in). **(Agenda Item 5F)**

Approved Commendatory Resolutions for Directors Keith Lewinger and Elsa Saxod both representing San Diego County. **(Agenda Item 5G)**

Presented 5-year Service Pin to Director Michael T. Hogan. **(Agenda Item 5H)**

Presented 15-year Service Pin to Director Larry D. Dick. **(Agenda Item 5I)**

Item 10-1 discussion of Department Head Evaluation Process Guidelines and Department Head Evaluation Presentations was deferred. (**Agenda Item 10-1**)

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>



Board Meeting

September 11, 2018

12:00 p.m. – Boardroom

September 11, 2018 Meeting Schedule		
9:00 a.m.	L&C	Rm. 2-145
10:00 a.m.	C&LR	Rm. 2-456
11:00 a.m.	RP&AM	Rm. 2-145
12:00 p.m.	Board Meeting	Boardroom

MWD Headquarters Building

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700 N. Alameda Street

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Los Angeles, CA 90012

1. Call to Order

- (a) Invocation: Marco A. De Jeronimo, Assistant Engineer,
Engineering Services Group
- (b) Pledge of Allegiance: Director Marsha Ramos, the City of
Burbank

2. Roll Call

3. Determination of a Quorum

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

5. OTHER MATTERS

- A. Approval of the Minutes of the Special Board Meeting for
August 20, 2018 and Adjourned Regular Board Meeting for
August 21, 2018
(Copies have been mailed to each Director)
Any additions, corrections, or omissions
- B. Report on Directors' events attended at Metropolitan expense for
month of August
- C. Approve committee assignments
- D. Chairman's Monthly Activity Report
- E. Presentation of 5-year Service Pin to Director Russell Lefevre

6. DEPARTMENT HEADS' REPORTS

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

7. CONSENT CALENDAR ITEMS — ACTION

- 7-1** Adopt CEQA determination and appropriate \$970,000; and authorize: (1) preliminary investigations to remediate slopes at the Robert B. Diemer Water Treatment Plant; and (2) agreement with GEI Consultants in an amount not to exceed \$485,000 to provide geotechnical support (Appropriation No. 15478). (E&O)

Recommendation:

Option #1:

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

- a. Appropriate \$970,000;**
- b. Authorize preliminary investigations to remediate slopes at the Diemer plant; and**
- c. Authorize agreement with GEI Consultants in an amount not to exceed \$485,000 to provide geotechnical support.**

- 7-2** Adopt CEQA determination and appropriate \$870,000; and award \$619,000 contract to Shipley Construction & Plumbing to renovate three houses at Iron Mountain Pumping Plant (Appropriation No. 15495). (E&O)

Recommendation:

Option #1:

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

- a. Appropriate \$870,000; and**
- b. Award \$619,000 contract to Shipley Construction & Plumbing to renovate three houses at Iron Mountain Pumping Plant.**

- 7-3** Adopt CEQA determination and appropriate \$970,000; and award \$556,000 contract to American Construction and Supply, Inc. to install cathodic protection on the Orange County Feeder (Appropriation No. 15441). (E&O)

Recommendation:

Option #1:

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

- a. Appropriate \$970,000; and**
- b. Award \$556,000 contract to American Construction and Supply, Inc. to install cathodic protection on the Orange County Feeder.**

- 7-4** Adopt CEQA determination and award \$420,000 contract to Southern Contracting Company for replacement of 15 kV circuit breakers at Hiram W. Wadsworth Pumping Plant (Appropriation No. 15467). (E&O)

Recommendation:

Option #1:

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

Award \$420,000 contract to Southern Contracting Company for replacement of circuit breakers at Hiram W. Wadsworth Pumping Plant.

- 7-5** Adopt CEQA determination and adopt resolution designating Metropolitan's maximum contribution for medical benefits in order to comply with the current authorized Memoranda of Understanding. (OP&T)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project, and

Adopt resolution requiring Metropolitan to base its maximum medical contributions on the highest cost HMO plan between Los Angeles and Other Southern California regions, Anthem Traditional HMO, Los Angeles Region, for employees and annuitants under Government Code Section 22892(a).

- 7-6** Adopt CEQA determination and authorize increase of \$100,000, to a maximum amount payable of \$200,000, for existing General Counsel contract with Hanson Bridgett LLP to provide legal tax and benefits advice on deferred compensation plans, other employee benefits, and CalPERS matters. (L&C) **(To Be Mailed Separately)**

- 7-7** Adopt CEQA determination and authorize granting a lease amendment to Greenland Farm, Inc., for agricultural purposes on Metropolitan fee-owned property in the City of Hemet, within the county of Riverside. (RP&AM)

Recommendation:

Option #1:

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

Authorize granting a lease extension on a year-to-year basis through 2023 to Greenland Farm Inc., for farming purposes.

- 7-8** Adopt CEQA determination and authorize granting a lease amendment to the City of Los Alamitos, for a recreational city park referred to as Stansbury Park located in the City of Los Alamitos within Orange county. (RP&AM)

Recommendation:

Option #1:

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

Authorize granting a year-to-year lease extension through the year 2048 to the City of Los Alamitos for a public park.

- 7-9** Adopt CEQA determination and authorize granting a permanent easement to the California Department of Transportation on Metropolitan owned property to facilitate widening State Route 62 across a siphon along the Colorado River Aqueduct within the county of Riverside. (RP&AM)

Recommendation:

Option #1:

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

Authorize granting a permanent easement to Caltrans to facilitate widening State Route 62 across one of the siphons along the Colorado River Aqueduct.

END OF CONSENT CALENDAR

8. OTHER BOARD ITEMS — ACTION

- 8-1** Adopt CEQA determination and appropriate \$6.68 million; and authorize upgrades to three hydroelectric power plants (Appropriation No. 15458). (E&O)

Recommendation:

Option #1:

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

- a. Appropriate \$6.68 million;**
- b. Authorize design and construction to rehabilitate Red Mountain Power Plant;**
- c. Authorize final design and procurement to rehabilitate Foothill Power Plant; and**
- d. Authorize completion activities for the modification of Yorba Linda Power Plant.**

- 8-2** Adopt CEQA determination and appropriate \$2.78 million; and award \$866,600 contract to J. F. Shea Construction, Inc. to replace service connection valves on the Rialto Pipeline (Appropriation No. 15480). (E&O)

Recommendation:

Option #1:

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

- a. Appropriate \$2.78 million; and**
 - b. Award \$866,600 contract to J. F. Shea Construction, Inc. to replace valves for Service Connections CB-12 and CB-16 on the Rialto Pipeline.**
- 8-3** Adopt CEQA determination and adopt Metropolitan's Proposed Facilities Naming Policies and Procedures **(To Be Mailed Separately)**
- 8-4** Adopt CEQA determination and adopt reporting structure for Metropolitan's Ethics Officer. (A&E) **(To Be Mailed Separately)**

9. BOARD INFORMATION ITEMS

- 9-1** Update on Conservation Program **(To Be Mailed Separately)**
- 9-2** Information on the Antelope Valley – East Kern Water Agency High Desert Water Bank Program. (WP&S) **(To Be Mailed Separately)**
- 9-3** Review of Agreement in Principal for Amendments to State Water Project Contract Regarding Water Management Provisions and Allocation of California WaterFix Costs Amongst Participating Public Water Agencies . (WP&S) **(To Be Mailed Separately)**
- 9-4** Review of Local Resources Program Target. (WP&S) **(To Be Mailed Separately)**

10. OTHER MATTERS

- 10-1** Discussion of Department Head Evaluation Process Guidelines and Department Head Evaluation Presentations
[Public employee's performance evaluations; General Manager, General Counsel, and General Auditor, to be heard in closed session pursuant to Gov. Code 54957(b)]

11. BROWN ACT TRAINING

12. FOLLOW-UP ITEMS

13. FUTURE AGENDA ITEMS

14. 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.