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. 2080)

PRESENTATION/DISCUSSION/INFORMATION ITEMS

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

   Recommendation: Receive input and discuss the information.

2. WATER SUPPLY CONDITIONS UPDATE

   Recommendation: Review and discuss the information presented.

3. PRESENTATION REGARDING STATE WATER PROJECT (SWP) COOPERATIVE OPERATING AGREEMENTS BY METROPOLITAN STAFF

   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 January 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 accommodations should make the request with adequate time before the meeting for the District to provide the requested accommodations.
INFORMATION ITEM
February 6, 2019

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 2018-19 Water Year officially began October 1, 2018. Thus far, the Northern California accumulated precipitation (8-Station Index) is reporting 26.1 inches or 99% of normal as of January 29. In the month of January 2019, accumulated precipitation reached 13.2 inches, which is 4.2 inches above normal compared to the historical average (As of January 28th). The Northern Sierra Snow Water Equivalent was at 18.2 inches on January 28th, which was 108% of normal for that day.

As of January 28th Lake Oroville storage is at 39% of total capacity and 60% of normal. As of January 28th San Luis Reservoir has a current volume of 85% of the reservoirs total capacity and is 109% of normal.

The Department of Water Resources (DWR) in January increased the State Water Project (SWP) “Table A” allocation to 15%. This allocation provides Metropolitan with approximately 286,725 AF in SWP deliveries this water year. DWR’s approval considered several factors including existing storage in SWP conservation reservoirs, SWP operational regulatory constraints, and the 2019 contractor demands.

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Attachment: Water Supply Conditions Presentation
Water Supply Conditions
Kevin Hostert, Water Resources Analyst
Municipal Water District of Orange County
February 6th 2019

Orange County Weather and Water Supply Conditions
Insight to local weather conditions that affect Orange County’s water supply and water demand
Regional Weather and Water Supply Conditions

Insight to regional weather conditions that affect California’s water supply
Northern California Accumulated Precipitation

Monthly Precipitation (8 Station Precip Index)

- October: 1.02 inches
- November: 6.86 inches
- December: 4.99 inches
- January: 13.20 inches

Accumulated Precipitation (8-Station Precip Index)

- Total Accumulated Precipitation: 26.0 inches
- 99% of Normal

Northern Sierra Snowpack Water Equivalent

- April Historical Peak: 108% of Avg

Snow Water Equivalent

January 28th, 2019
Sierra Nevada Snow Conditions

January 28th 2019

Northern = 106%
Central = 106%
Southern = 101%

Sierra Nevada Snow Conditions

MWD 2018 Water Storage
MWD 2019 Estimated Water Storage

Lake Mead Outlook

Lake Mead Levels: Historical and Projected

Historical and Projected projection per USBR 24-Month Study

Spillway Elevation = 1,221 ft
Surplus Trigger = 1,145 ft
Shortage Trigger = 1,075 ft

Jan 02 Jan 03 Jan 04 Jan 05 Jan 06 Jan 07 Jan 08 Jan 09 Jan 10 Jan 11 Jan 12 Jan 13 Jan 14 Jan 15 Jan 16 Jan 17 Jan 18 Jan 19 Jan 20

MWD Potential WSAP Level

Emergency Storage
Dry Year Storage
Water Supply Shortage
Lake Mead 1935-2020

- **Historic Peak July 1983 @ 1,225 Feet**
- **Historical Low (Since Filled)**
- **Shortage Trigger 1,075 Feet**
- **Dead Pool 895 Feet**

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DISCUSSION ITEM
February 6, 2019

TO: Board of Directors
FROM: Robert Hunter, General Manager

Staff Contact: Harvey De La Torre
Melissa Baum-Haley

SUBJECT: PRESENTATION REGARDING STATE WATER PROJECT (SWP) COOPERATIVE AGREEMENTS BY METROPOLITAN STAFF

STAFF RECOMMENDATION

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

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

On December 12, 2018, the California Department of Water Resources (DWR) and the U.S. Bureau of Reclamation (Reclamation) signed an addendum to the 1986 Agreement between the United States of America and DWR for the Coordinated Operation of the Central Valley Project and the State Water Project. The COA is the mechanism by which DWR and Reclamation allocate water between the Central Valley Project (CVP) and the State Water Project (SWP) while meeting the regulatory requirements.

Within the COA modified agreement, more detailed sharing of responsibility is provided for meeting Sacramento Valley in-basin use as well as applicable of export capacity when exports are constrained.

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Additionally, on December 12, 2018, DWR and California Department of Fish and Wildlife Directors Nemeth and Bonham respectively, presented progress on the voluntary agreements to the State Water Resources Control Board (State Board) as an alternative to the State Board’s staff proposal requiring unimpaired river flows under the Bay Delta Water Quality Control Plan.

Key outcomes of the voluntary settlement agreements include:

- Integration of flow and non-flow measures
- Includes upstream non-SWP/CVP water users
- System-wide governance & science-based decision making
- Backed by significant and reliable funding mechanisms
- Intend to meet State & Federal water quality requirements

MWDOC has invited Metropolitan staff to provide a presentation to explain the key outcomes of the COA and voluntary settlement agreement, as well as impacts to the SWP and California WaterFix.
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

Committee recommends (To be determined at Committee Meeting)

REPORT

Joint Powers Authorities

The Delta Conveyance Design and Construction Authority (DCA) and Delta Conveyance Finance Authority meetings were held on January 17, 2019. At the DCA meeting, the Interim Executive Director, Jill Duerig, provided an update on activities. The Engineering Design Manager, Jacobs, and the geotechnical consultant, Fugro, began developing a plan for 2019 and identified all the boring and cone penetrometer testing locations. Similarly, the real property consultants began engaging in the formation of policies, processes, and procedures that meet regulatory requirements while streamlined where possible.

The following 11 out of the 22 agencies located south of the Delta are members of the Joint Power Authorities:

- Alameda County Water District
- Alameda County Flood Control & Water Conservation District Zone 7

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On January 31, 2019, the DCA held a special meeting to authorize the Board to execute an agreement with Management Partners for professional services of long-term Executive Director.

The next meeting of the DCA and Finance Authority Boards of Directors will be held on Thursday, February 21, 2019.

**Coordinated Operation Agreement**

On January 16, a coalition of environmental, fishing, and Native American groups led by the Pacific Coast Federation of Fishermen’s Association filed suit against the California Department of Water Resources (DWR). The suit, filed in Sacramento Superior Court, challenges DWR’s attempt to revamp its 30-year-old Coordinated Operations Agreement (COA) with the federal Bureau of Reclamation to export more water from the Delta.

Opponents argue that DWR’s revision of the COA would increase Delta exports when the Delta has the least water available for fish. The lawsuit additionally charges that DWR’s COA addendum would violate the Delta Reform Act and the Public Trust Doctrine.

DWR stated no new environmental review as was needed for the COA, issuing an exemption from the California Environmental Quality Act on the grounds that COA was an “ongoing operation” of the State Water Project.

**Delta Stewardship Council (DSC)**

The DWR preparing a resubmittal of certification to the DSC, expected during 2019. It will be based on substantial evidence needed to amend the appeal process. Key issues include:

1. **Agencies Reducing reliance on the Delta** – the DSC is looking for information from urban water management plans (UWMPs) that quantify a reduction in the reliance on the Delta, whereby, select UWMPs completed in 2015 may need to be amended.

2. **Export/Inflow ratio** – DWR will need to show substantial evidence to support the conclusion that California WaterFix can be operated to meet the required export/inflow ratio measurements. Updated modeling will need to include more information on the export side of the ratio.
3. Municipal & Industrial chloride standard – meet water quality specified standards within the Delta. Of note, during deep drought periods there can be temporary urgency change conditions. The State Board has the authority to make decisions on whether such a change petition is needed.

4. Utilize the best available science for sea level rise and salinity impact – DWR is modeling out through 2100 as well as incorporating the projected 55-inch sea level rise into the intakes design. This modeling will also need to include the impact of salinity variation.

5. Local land use – more substantial evidence will need to show that socio-economic and community character impacts are being considered.

**WaterFix Regulatory and Permit Status**

Several regulatory and permitting actions still need to be completed before construction can begin. Many of these outstanding permits will be completed following or as part of the design process lead by the DCA. The attached table provides a brief status update of those which are complete and those which remain on-going/outstanding.

**Additional Information**

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

**Attachments: (1) California WaterFix Regulatory Schedule and Status Table**
California WaterFix Regulatory and Permit Status Table

Several regulatory and permitting actions still need to be completed before construction can begin. Many of these outstanding permits will be completed following or as part of the design process lead by the DCA. The following table provides a brief status update of those which are complete and those which remain on-going/outstanding.

Version January 31, 2019

<table>
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<tr>
<th>REGULATORY PROCESSES AND PERMITS</th>
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<td><strong>1 CALIFORNIA ENVIRONMENTAL QUALITY ACT / NATIONAL ENVIRONMENTAL POLICY ACT (CEQA/NEPA)</strong></td>
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<tr>
<td>California Department of Water Resources (DWR) certified Final EIR in compliance with CEQA</td>
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<tr>
<td>DWR approved California Waterfix, adopted “CEQA Findings,” an MMP and a Statement of Overriding Considerations as part of project approval</td>
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<td>DWR issued a Notice of Determination on July 21, 2017</td>
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<tr>
<td>DWR will Prepare Draft Supplemental EIR</td>
<td>✓</td>
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<tr>
<td>Public review and comment on Draft Supplemental EIR</td>
<td>✓</td>
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<tr>
<td>DWR will Prepare Final Supplemental EIR</td>
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| **2 ENDANGERED SPECIES ACT (ESA) SECTION 7 CONSULTATION** | ✓ |
| A Biological Assessment submitted to the U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS) and engaged in formal consultation | ✓ |
| USFWS and NMFS issued final Biological Opinions in June 2017 | ✓ |

| **3 NATIONAL HISTORIC PRESERVATION ACT (NHPA) SECTION 106 COMPLIANCE** | |
| A Final Programmatic Agreement (PA) was completed and signed by DWR, the U.S. Army Corps of Engineers (USACE) and State Historic Preservation Officer (SHPO) on March 21, 2017 | ✓ |
| DWR and USACE completed the Draft Programmatic Historic Properties Treatment Plan and forwarded to SHPO and interested parties on July 26, 2017 | |
Continued implementation of PA commitments

4 **CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE (CDFW) 2081(B) PERMIT**

- An **incidental take permit application** was submitted to CDFW on October 5, 2016
- **CDFW issued permit** on July 26, 2017
- CDFW issued a [clarification memorandum](#) for the California Endangered Species Act ITP Condition of Approval on October 18, 2017

5 **SECTION 401 OF THE CLEAN WATER ACT – WATER QUALITY CERTIFICATION**

- An **application for Water Quality Certification** was submitted to the State Water Resources Control Board (SWRCB) on September 24, 2015
- An **updated application for Water Quality Certification** was submitted to the SWRCB on November 15, 2018
- A subsequent ruling regarding briefing and other procedural matters will be forthcoming.

6 **CDFW LAKE AND STREAMBED ALTERATION AGREEMENT, SECTION 1602**

- DWR is preparing a permit application for submittal to CDFW
- CDFW will determine whether to issue permit

7 **U.S. ARMY CORPS OF ENGINEERS (USACE) SECTION 404 PERMIT**

- A **Section 404 Permit application** was submitted to USACE on September 9, 2015
- A Compensatory Mitigation Strategy was completed Fall 2016
- An alternatives analysis will be finalized
- USACE will determine whether to issue permit

8 **SWRCE CHANGE PETITION**

- A presentation of rebuttal for Part 1 cases-in-chief concluded on July 11, 2017
- The presentation of sur-rebuttal testimony, and subsequent cross-examination, by parties participating in Part 2 of the California WaterFix water right change petition hearing concluded on October 1, 2018.
A subsequent ruling regarding briefing and other procedural matters will be forthcoming.

**DELTA STEWARDSHIP COUNCIL (DSC)**

DWR filed a certification of consistency with the Delta Plan to the DSC on July 27, 2018. Nine appeals of that certification were filed.

On December 7, DWR withdrew its certification of consistency. As a result, the DSC dismissed the appeals.

The DWR preparing a resubmittal of certification to the DSC

**Expected**

2019

**USACE AUTHORIZATION UNDER SECTION 14 OF THE RIVERS AND HARBORS ACT**

Prior to use or alteration of a Civil Works project, DWR will prepare and submit a permit application to USACE (consistent with USACE requirements at 33 USC 408 (Section 408))
DISCUSSION ITEM  
February 6, 2019

TO: Board of Directors
FROM: Robert Hunter,  
General Manager

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

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

STAFF RECOMMENDATION

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 _X_ | Choice ___ |
| Action item amount: N/A | Line item: |
| Fiscal Impact (explain if unbudgeted): |
SUBJECT: MET's Water Supply Conditions

RECENT ACTIVITY

The 2018-19 Water Year officially began October 1, 2018. Thus far, the Northern California accumulated precipitation (8-Station Index) is reporting **26.1 inches or 99% of normal** as of January 29. In the month of January 2019, accumulated precipitation reached 13.2 inches, which is **4.2 inches above normal** compared to the historical average (As of January 28th). The Northern Sierra Snow Water Equivalent was at 18.2 inches on January 28th, which was **108% of normal** for that day.

As of January 28th Lake Oroville storage is at 39% of total capacity and 60% of normal. As of January 28th San Luis Reservoir has a current volume of 85% of the reservoirs total capacity and is 109% of normal.

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With estimated total demands and losses of 1.76 million acre-feet (MAF) and with a 15% SWP Table A Allocation, Metropolitan is projecting that demands will exceed supply levels in CY 2019. Based on this, estimated total dry-year storage for Metropolitan at the end of CY 2019 will go down to 2.0 MAF.
ISSUE BRIEF # B

SUBJECT: MET’s Finance and Rate Issues

RECENT ACTIVITY

At the January 2019 Metropolitan Finance an Insurance Committee, no information on water transactions was presented.
SUBJECT: Colorado River Issues

RECENT ACTIVITY

**Drought Contingency Plan Development**

Commissioner Burman addressed the Colorado River Water Users Association annual conference in Las Vegas December 13-15 and described Reclamation’s priorities for the Colorado River basin in 2018. In her remarks, Commissioner Burman noted that the Drought Contingency Plan will be the top priority for the upcoming year and that Reclamation is looking for the states to complete their work during that time.

In describing the importance of finalizing work on the Drought Contingency Plan during the upcoming year, the Commissioner noted that the 2007 Shortage Guidelines (Guidelines), alone, are no longer enough to protect the system from the reservoir storage declines and worsening hydrology that have occurred since adoption of the Guidelines and pointed to Reclamation’s modeling showing that implementation of both the Lower Basin Drought Contingency Plan and the Upper Basin Drought Contingency Plan together would provide important protection of the reservoirs and power production. The Commissioner urged the states to resolve any outstanding intrastate issues and to reach final agreement on the drought contingency plans.

A fact sheet on the Drought Contingency Plan is attached.

**Metropolitan Submits a Modified Water Order to the Bureau of Reclamation**

During December, Metropolitan submitted a Request for Revision to Approved Diversions for Calendar Year 2017 to Reclamation seeking approval to divert a total 685,000 acre-feet. Reclamation had approved the diversion of up to 632,676 acre feet of water earlier in 2017. Metropolitan submitted the modified order to:

- Enable Metropolitan to divert and store Imperial Irrigation District’s (IID) Excess and Additional Excess Intentionally Created Surplus (ICS), consistent with Metropolitan and IID’s storage agreement;
- Include unused Coachella Canal Lining Project mitigation water that Reclamation had not included in its initial approved water order and exchange it with San Diego County Water Authority; and
- Allow Metropolitan to divert water not needed by Coachella Valley Water District consistent the 1989 Approval Agreement.

Earlier this year, Metropolitan received approval to store up to 390,000 acre-feet of ICS in Lake Mead.
Minute 319 Water Exchange Completed

Reclamation sent notice on December 14, 2017 that the United States International Boundary and Water Commission received notification from Mexico that Mexico has provided the United States a total quantity of 124,000 acre-feet in satisfaction of Section III.1 of Minute 319. Pursuant to Minute 319 and the implementing agreements, a portion of this conserved water is converted into Binational ICS. Binational ICS is water that was conserved in Mexico, and the conservation was paid for by Metropolitan, IID, Central Arizona Project and Southern Nevada Water Authority (Local Funding Agencies). Each of the Local Funding Agencies will be credited with the amount of Binational ICS agreed to in the Interim Operating Agreement and Contributed Funds Agreements of 2012. Metropolitan’s contributions as a Local Funding Agency entitled it to 47,500 acre-feet of Binational ICS, which will be shared equally with IID pursuant to the terms of a 2013 agreement between Metropolitan and IID regarding Binational ICS generated under Minute 319.
The Southwest’s reliance on the Colorado River is hard to overstate – 40 million people, 5 million acres of farmland, the economies of seven states and diverse ecosystems and wildlife depend on its water. But that reliance is being challenged as climate change, unprecedented drought and growing demands have caused flows on the Colorado River to drop dramatically and storage levels in the system’s two largest reservoirs – Lake Mead and Lake Powell – to do the same. In response, the federal government, states and urban and agricultural water districts that depend on the Colorado River are working together toward a solution. The result is the **Drought Contingency Plan** – a collection of proposed agreements within and among the seven western states in the Colorado River Basin to boost storage levels in Lake Mead and Lake Powell and prevent the reservoirs from reaching critically low levels. The Metropolitan Water District has been a leader in this ongoing collaboration and is committed to working cooperatively within California and beyond to ensure the plan’s success.

**Supporting the Southwest**

Seven states and part of the country of Mexico are dependent on the well-being of the Colorado River. Under the proposed DCP, the Lower Basin states would agree to contribute water to keep water levels higher in Lake Mead. The Upper Basin states gain tools, including coordinated reservoir management and water banking, to maintain higher levels in Lake Powell.

**Benefits of Working Collaboratively**

- Reduces risk of Lake Mead reaching critically low levels that would trigger severe mandatory cuts in the Lower Basin
- Secures stability in deliveries, allowing states to develop long-term solutions to structural imbalance on Colorado River
- Avoids protracted litigation and political, legislative mandates
- Protects power generation at Hoover Dam
- Allows Metropolitan access at lower elevations to its conserved water stored in Lake Mead
- Supports flexibility built into Metropolitan’s system reliability, including diverse storage, water transfer and land fallowing programs
Contributing to the Solution

Under a 2007 agreement reached by the seven Colorado River Basin states, if Lake Mead’s level drops to 1,075 feet – about 5 feet below the current level – an official shortage would be declared. That declaration would trigger cuts in water deliveries to Arizona and Nevada. According to the U.S. Bureau of Reclamation, there is a more than 50 percent chance of Lake Mead reaching shortage level by 2020. Further decline in lake levels would have additional, increasingly severe consequences. If approved, the Drought Contingency Plan would help avoid these larger declines and the significant challenges they would bring.

TOTAL LOWER BASIN CONTRIBUTIONS WITH DCP BY LAKE MEAD ELEVATION

Pending Approval

The proposed DCP needs to be approved by states, water agencies and Congress. Consideration is expected in late 2018 and early 2019.

CALIFORNIA CONTRIBUTION
Under the Proposed DCP:

Lake Mead Level Below 1,045 feet = California contribution 200,000-350,000 acre feet/year

More Collaboration on the Horizon

With Colorado River supplies already over-allocated, climate change is expected to exacerbate the imbalance by further decreasing flows on the Colorado River as temperatures warm. Effective through 2026, the proposed DCP would provide stability while states and water agencies develop longer-term solutions to the existing Colorado River imbalance.

ABOUT METROPOLITAN

The Metropolitan Water District of Southern California is a state-established cooperative of 26 member agencies – cities and public water agencies – that serve nearly 19 million people in six counties. Metropolitan imports water from the Colorado River and Northern California to supplement local supplies and helps its members develop increased water conservation, recycling, storage and other resource management programs.

OUR MISSION

The mission of the Metropolitan Water District of Southern California is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

November 2018

@mwdh2o
www.mwdh2o.com
SUBJECT: Bay Delta/State Water Project Issues

RECENT ACTIVITY

Science Activities

Metropolitan staff continued participation in the Collaborative Science and Adaptive Management Program, including participation on the Collaborative Adaptive Management Team. December meetings focused on Delta smelt issues. Metropolitan staff participated in the Delta Smelt Scoping Team process to develop a decision support tool for the Delta Smelt Resiliency Strategy, and develop management questions that would guide development of a longterm monitoring program to inform management actions for Delta smelt. DWR is planning to implement two Delta Smelt Resiliency Strategy actions in 2018 – the Suisun Marsh Salinity Control Gate action and the North Delta food web action. These actions are hypothesized to improve habitat conditions and provide greater access to food resources. Staff is providing input to the monitoring plan for the Suisun Marsh Salinity Gates action and to the comprehensive U.S. Bureau of Reclamation Directed Outflow Project for 2018, which will include monitoring of Delta smelt habitat factors throughout the spring to fall 2018 period.

On December 6, the California Department of Fish and Wildlife announced the selection of 39 projects to receive funding from its Water Quality, Supply and Infrastructure Improvement Act of 2014 (Proposition 1) Restoration Grant Programs. Seven projects were awarded funding in the scientific studies category. Staff assisted in the development and/or offered budgeted financial support for three of seven selected projects. These three projects are focused on the effects that pesticides have on juvenile salmonids that rear on floodplains; juvenile salmon distribution, abundance, and growth in restored Delta marsh habitats; and the impacts that export operations have on juvenile salmon survival, entrainment, and predation mortality.

Delta Flood Emergency Management Plan

DWR is currently testing a revised Emergency Response Tool (ERT) model that has been disaggregated so that various channel closure, pathway or other response scenarios can be simulated independent of the full Delta regional analysis. Testing has been conducted with the California Civil Air Patrol to characterize emergency conditions on the ground, and simulate response scenarios using ERT modeling capabilities.

Sheet pile with up to 120 feet installed length, consisting of large pipe pile and intermediate sheet pile between the pipe segments, is expected to be delivered to the Stockton stockpile site by the second quarter 2018. This piling would be capable of closing the deepest levee breaches and would be a redundant measure to rock closures in emergency conditions. With the pile delivery, stockpiles for purposes of emergency response should be almost complete. DWR plans to stockpile additional rock, bringing the total to more than 400,000 tons or enough to close three major breaches. In addition to stockpiled materials, the stockpile sites include four loading and offloading sites for rock, sheet pile, and other materials.
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
Poseidon continues working with the Santa Ana Regional Water Quality Control Board (SARWQCB) to renew and update its existing National Pollution Discharge Elimination System permit and comply with new regulations (referred to as the Ocean Plan Amendment) which were approved by the State Water Resources Control Board in May 2015.

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

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

Poseidon expects the SARWQCB to act on its permit in the next three to five months. Assuming approval, Poseidon would then seek a permit from the California Coastal Commission in 2019.
SUBJECT: Orange County Reliability Projects

RECENT ACTIVITY

Orange County Water Reliability Study
MWDOC staff and CDM Smith have released the final report of the 2018 OC Water Reliability Study which was provided to the Board for a ‘receive and file’ action on January 16th.

Next Steps

The next steps include the following:

1. Complete additional work on the Carson Project and its reliability implications in Orange County (includes work between MWDOC and OCWD)

2. Complete additional analysis on the Strand Ranch Integrated Water Banking Program using the results of the study. This work is now in progress.

3. Develop a list of items to advocate for at MET with respect to the next MET IRP update based on comments coming out of our study.

4. Complete additional work on systems integration for local water in SOC (includes water quality issues, chloramination facilities, reversing flow of systems, building in redundancies, metering of low flow water, base-loading of projects, etc.).

5. Integrate the results of the recent workshop regarding integration of local projects into the Orange County water system.

6. Work with OCWD on the SARCCUP Project to determine the potential uses of the extraordinary supplies developed through the project and how they can best be used in Orange County.
SUBJECT: East Orange County Feeder No. 2

RECENT ACTIVITY

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

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

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

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

RECENT ACTIVITY

Doheny Desal Project
South Coast WD submitted a grant application for up to $20 million for project construction through Bureau of Reclamation ‘Water SMART: Desalination Construction Projects under the WIIN Act’. Applications are currently being reviewed.

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

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

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

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

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

PROJECT STATUS

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

Dam and Pipelines
The Construction Contract was awarded in December 2017 and is approximately 37% complete.
Pump Station
The preliminary design of this facility was resubmitted by AECOM in mid-December for District review and approval. The Design process is likely to continue thru the end of February 2019, and the project will likely be available to start the construction bidding process in March 2019. Completion of the construction is expected to be in February 2020, about 3-4 months ahead of the Reservoir and Dam completion.

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

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

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

Other Information on South County Projects:
If any agencies would like to have updates included herein on any projects within your service area, please email the updates to Karl Seckel at kseckel@mwdoc.com.
COMMITTEE CHAIR AND VICE CHAIR APPOINTMENTS (Agenda Item 5A)

Approved Chair and Vice Chair of standing committee appointments for the term commencing on February 1, 2019:

Agriculture and Industry Relations Committee
Director Record was appointed Chair
Director Dick was appointed Vice Chair

Audit and Ethics Committee
Director Ramos was appointed Chair
Director Paskett was appointed Vice Chair

Communications and Legislation Committee
Director Cordero was appointed Chair
Director Kurtz was appointed Vice Chair

Conservation and Local Resources Committee
Director Gold was appointed Chair
Director Abdo was appointed Vice Chair

Engineering and Operations Committee
Director Smith was appointed Chair
Director De Jesus was appointed Vice Chair

Facilities Naming Ad Hoc Committee
Director Morris was appointed Chair
Director Lefevre was appointed Vice Chair

Finance and Insurance Committee
Director Dake was appointed Chair
Director Steiner was appointed Vice Chair

Legal and Claims Committee
Director McKenney was appointed Chair
Director Quiñonez was appointed Vice Chair

Organization, Personnel and Technology Committee
Director Murray was appointed Chair
Director Zurita was appointed Vice Chair
**Real Property and Asset Management Committee**
Director Hogan was appointed Chair
Director Peterson was appointed Vice Chair

**Special Committee on Bay Delta**
Director Ackerman was appointed Chair
Director Pressman was appointed Vice Chair

**Water Planning and Stewardship Committee**
Director Atwater was appointed Chair
Director Kurtz was appointed Vice Chair

**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
1. **Call to Order**
   
   (a) Invocation: Waheeda Ali, Associate Engineer, Engineering Services Group
   
   (b) Pledge of Allegiance: Director Linda Ackerman, Municipal Water District of Orange County

2. **Roll Call**

3. **Determination of a Quorum**

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

   a. Presentation by David Wright, General Manager, Los Angeles Department of Water and Power: $1.4 million solar incentive program rebate for Joseph Jensen Water Treatment Plant

5. **OTHER MATTERS**

   A. Approval of the Minutes of the Meeting for January 8, 2019; the Minutes for the Special Board Workshop to Review San Diego County Water Authority Proposal for Settlement of Pending Litigation; and the Special Board Meeting for January 22, 2019 (Copies have been mailed to each Director)
   
   Any additions, corrections, or omissions
B. Report on Directors’ events attended at Metropolitan expense for month of January

C. Approve committee assignments

D. Chairwoman’s Monthly Activity Report

E. Induction of new Director Jasmin A. Hall from Inland Empire Utilities Agency
   (a) Receive credentials
   (b) Report on credentials by General Counsel
   (c) File credentials
   (d) Administer Oath of Office
   (e) File Oath

F. Induction of new Director Adan Ortega from the City of Fullerton
   (a) Receive credentials
   (b) Report on credentials by General Counsel
   (c) File credentials
   (d) Administer Oath of Office
   (e) File Oath

G. Induction of new Director Jose Solorio from the City of Santa Ana
   (a) Receive credentials
   (b) Report on credentials by General Counsel
   (c) File credentials
   (d) Administer Oath of Office
   (e) File Oath

H. Nomination and Election of nonofficer members of the Executive Committee for two-year term effective February 12, 2019

I. Approve Commendatory Resolutions for Directors Peter Beard representing the City of Fullerton, Michael Camacho representing Inland Empire Utilities Agency, and Michelle Martinez representing the City of Santa Ana

J. Presentation of Commendatory Resolution honoring Randy A. Record for his leadership during his term as Chairman of Metropolitan’s Board of Director
6. DEPARTMENT HEADS’ REPORTS

A. General Manager's summary of activities for the month of January

B. General Counsel's summary of activities for the month of January

C. General Auditor's summary of activities for the month of January

D. Interim Ethics Officer's summary of activities for the month of January

7. CONSENT CALENDAR ITEMS — ACTION

7-1 Award a contract in an amount not to exceed $799,170 to ViaTRON Systems, Inc. for conversion of hardcopy documents into electronic images for migration into the planned Enterprise Content Management System; the General Manager has determined the proposed action is exempt or otherwise not subject to CEQA. (OP&T)

END OF CONSENT CALENDAR

8. OTHER BOARD ITEMS — ACTION

8-1 Award $20,975,000 contract to J.F. Shea Construction, Inc., to rehabilitate the Greg Avenue Pump Station; and authorize an agreement with Black & Veatch for a not-to-exceed amount of $900,000 for engineering services during construction; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA. (E&O)

8-2 Award $16,452,832 contract to Baker Electric, Inc. to replace the 6.9 kV power cables at each Colorado River Aqueduct pumping plant; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (E&O)
8-3 Appropriate $4,212,500, and authorize entering into a project agreement with the Sites Project Authority for participation in the Sites Reservoir 2019 Workplan; the General Manager has determined the proposed action is exempt or otherwise not subject to CEQA. (WP&S)

8-4 Authorize implementation of modifications to the Landscape Transformation Program; the General Manager has determined that these actions are exempt or otherwise not subject to CEQA. (WP&S)

8-5 Authorize the General Manager to acquire up to 732 acres of property located in Riverside County in the Palo Verde Valley; the General Manager has determined that the action is exempt or otherwise not subject to CEQA. (RP&AM)

[Conference with real property negotiators; property identified as Riverside County Assessor's Parcel Nos. 830-050-015; 830-210-005; 830-210-014; 830-220-004; 833-030-030; 833-081-001; 833-081-002; 833-091-001; 833-091-003; 833-091-004; 833-091-005; 833-091-032; 836-050-015; 836-050-017; 836-100-010; 836-100-011; 836-155-018; 857-130-003; 857-130-006; 857-130-010; 857-130-013; 866-040-002; 866-040-003; 866-080-008; 866-120-003; 866-120-004; 869-260-001; agency negotiators: Stephen Vollucci and James Vanden Akker; negotiating parties: Wegis Family, LP and Wey Almond Farms, LLC; under negotiation: price and terms; to be heard in closed session pursuant to Gov. Code Section 54956.8]

8-6 Authorize the General Manager to sell 243 acres on Chippis Island located in Solano County to the Department of Water Resources; the General Manager has determined that this action is exempt from or otherwise not subject to CEQA. (RP&AM)

[Conference with real property negotiators; property identified as Metropolitan Water District Parcel Number BD3033210 (Solano County Assessor's Parcel No. 0090-060-010); agency negotiators: Laura Simonek and Bryan Otake; negotiating party: State of California Department of Water Resources; under negotiation: price and terms; to be heard in closed session pursuant to Gov. Code Section 54956.8]
8-7 Authorize partial settlement in San Diego County Water Authority v. Metropolitan Water District of Southern California, et al., San Francisco County Superior Court Case Nos. CPF-10-510830 and CPF-12-512466; the appeal of the 2010 and 2012 actions, Court of Appeal for the First Appellate District Case Nos. A146901 and A148266 and California Supreme Court Case No. S243500; and the petition for extraordinary writ in the 2010 and 2012 actions, Court of Appeal for the First Appellate District Case No. A155310; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (L&C) [Posting Separately] [Conference with legal counsel – existing litigation; to be heard in closed session pursuant to Gov. Code Section 54956.9(d)(1)]

9. BOARD INFORMATION ITEMS

9-1 Update on Conservation Program

9-2 Information on potential credit to enhance in-lieu deliveries to cyclic storage under limited conditions. (WP&S) [Posting Separately]

10. FOLLOW-UP ITEMS

11. FUTURE AGENDA ITEMS

12. ADJOURNMENT

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

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

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