Imported Water Committee

Update on WSDM and Water Shortage Emergency Condition

Item 6d
November 7, 2022
WSDM Update
WSDM Supply Demand Balance

Regional View

347 TAF Supply/Demand Gap
Includes: 134 TAF of HH&S Supply
Reflects: 28 TAF of Higher Priority Water Use Adjustment

Colorado River Supply

SWP Supply

1.32 MAF Current Supply Estimate
1.67 MAF Current Demand Forecast on Metropolitan

Million Acre-Feet
WSDM Supply Demand Balance

Regional View

- Current Supply Estimate: 1.32 MAF
- Current Demand Forecast: 1.67 MAF

- SWP Supply: 347 TAF (includes 134 TAF of HH&S Supply)
- Storage

- Colorado River Supply: Reflects 28 TAF of Higher Priority Water Use Adjustment
Emergency Water Conservation Program Update
Emergency Water Conservation Program

October Update

• October Path Compliance

<table>
<thead>
<tr>
<th>PATH 1</th>
<th>PATH 2</th>
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<tbody>
<tr>
<td>Las Virgenes MWD</td>
<td>City of Los Angeles</td>
</tr>
<tr>
<td>Three Valleys MWD</td>
<td>Inland Empire Utilities Agency</td>
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<tr>
<td>Calleguas MWD*</td>
<td>Upper San Gabriel Valley MWD</td>
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*5 of 19 Calleguas water purveyors are Path 2

• No penalties issued for any Path 2 member agencies thus far

• Path 1 one-day-a-week watering continues through the end of the year
Emergency Water Conservation Program

SWP Dependent Area Monthly Demands on Metropolitan

Demand Projection as of April 2022

*Reduced demands in September stemmed from high turbidity in Castaic Lake and operational decisions by member agencies to reduce deliveries from Metropolitan
All SWP Dependent Agencies Weekly Water Use Tracking

June to December 2022

All SWP Dependent Agencies: June to December 2022
as of October 31

<table>
<thead>
<tr>
<th></th>
<th>Performance</th>
<th>Cumulative Use</th>
<th>Remaining Volumetric Limit</th>
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<tbody>
<tr>
<td></td>
<td>-7,870 AF</td>
<td>182,387 AF</td>
<td>68,803 AF</td>
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<tr>
<td></td>
<td>-4% under</td>
<td>1,192 AF/day</td>
<td>1,128 AF/day</td>
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</tbody>
</table>

Total 2022 Projected Demand: 381,758 AF

Total 2022 Volumetric Limit: 251,190 AF

Performance: 7,870 AF (-4% under)
Cumulative Use: 182,387 AF 1,192 AF/day
Remaining Volumetric Limit: 68,803 AF 1,128 AF/day

Projected Demand as of April 26, 2022
Planning for Calendar Year 2023
2022 Storage Projected to be 2.3 MAF

End of Year Balances

- Emergency Storage
- Dry-Year Storage

*Estimate – May change based on supply/demand conditions*
End of Year Storage by Region

**SWP End-of-CY Storage Level**

- 2023 SWP Max Take Capacity: ~103 TAF

**CR End-of-CY Storage Level**

- 2023 CR Max Take Capacity: ~410 TAF

**In-Region End-of-CY Storage Level**

- 2023 In-Region Max Take Capacity: ~317 TAF

*Estimate for 2022. Does not include emergency storage.*
Supply Outlook: State Water Project

Planning for 2023

- Anticipating a low initial State Water Project Table A allocation
- Limited Metropolitan SWP storage
  - Depleted flexible storage
  - Low SWP carryover storage
- Continued acute shortage of water supply to meet demands in the SWP Dependent Area
Potential DCP Contributions on the horizon

- **End of December 2022**: 1,045.38 feet

**Elevation (feet)**

- Level 3 Shortage Condition
- Level 2 Shortage Condition
- Level 1 Shortage Condition

**California DCP Contributions Trigger**

- 200 TAF
- 250 TAF
- 300 TAF
- 350 TAF

**End of Month**

- Jan-20
- Apr-20
- Jul-20
- Oct-20
- Jan-21
- Apr-21
- Jul-21
- Oct-21
- Jan-22
- Apr-22
- Jul-22
- Oct-22
- Jan-23
- Apr-23
- Jul-23
- Oct-23
- Jan-24
- Apr-24
- Jul-24
Planning for 2023

Supply Outlook: Colorado River

- Metropolitan will access ICS to meet future DCP contributions; additional use of ICS to meet service area demand remains uncertain
- Metropolitan is not planning for a full Colorado River Aqueduct for 2023 and beyond
- California has submitted a proposal to reduce Colorado River use by 400 TAF each year, beginning 2023 through 2026
- USBR evaluating options for delivery reductions for California, Arizona, and Nevada next year
Update:
Potential adjustments to the SWP Dependent Area Emergency Water Conservation Program (EWCP) for 2023

Discussion:
Implementation of a regionwide Water Supply Allocation Plan (WSAP) for 2023

Action:
Call for immediate voluntary outdoor water use reductions and extraordinary conservation in Blended and Colorado River Exclusive Areas
Planning for 2023

December Board Topics

Update:
Potential adjustments to the SWP Dependent Area Emergency Water Conservation Program (EWCP) for 2023

• Background
  • Water Shortage Emergency Condition declared for SWP Dependent Area (April 2022 Board Resolution)
  • Adopted framework for an EWCP (April 2022 Board Resolution)

• December 2022 Board Update
  • Potential adjustments to existing framework
  • New volumetric limits for 2023
Discussion: Implementation of a regionwide Water Supply Allocation Plan (WSAP) for 2023

- Background
  - WSAP is current Board policy for regionwide allocations

- December 2022 Board Discussion
  - Begin discussion on regionwide WSAP determination and implementation for 2023
Planning for 2023

December Board Topics

**Action:**
Call for immediate voluntary outdoor water use reductions and extraordinary conservation in Blended and Colorado River Exclusive Areas

- **Background**
  - Regional Drought Emergency declared for entire service area (November 2021 Board Resolution)
  - Call for conservation under Executive Order N-7-22 (April Board Resolution)

- **December 2022 Board Action**
  - Reaffirm drought emergency condition for the service area and call for enhancement of voluntary conservation efforts
Planning for 2023

Key Takeaways: EWCP

• EWCP will continue in January 2023
• 2023 SWP water order, including Human Health and Safety supplies, submitted in October
• Continuing discussions with Member Agencies on EWCP supply allocation methodology
• New volumetric limits and potential compliance mechanisms to be presented in December 2022
• Agencies should consider preparing their governing bodies and communities for mandatory restrictions

• Agencies should implement enhanced voluntary conservation measures immediately to reduce water use in anticipation of mandatory 2023 WSAP

• Effective and timely voluntary conservation will mitigate the region’s need for deeper mandatory cuts
Next Steps

• Receive initial 2023 SWP Allocation
• Continue coordination with Member Agencies
  • Potential adjustments to the EWCP framework
  • Regionwide Water Supply Allocation
• December Board Action and Resolution
• Report on two-year water supply outlook