



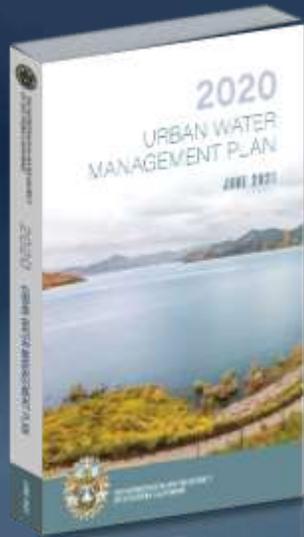
**Adopt Metropolitan's  
2020 Urban Water Management Plan,  
Appendix 11 Addendum to the 2015 Urban Water Management Plan,  
and Water Shortage Contingency Plan**

Water Planning and Stewardship Committee

Item 7-8

May 10, 2021

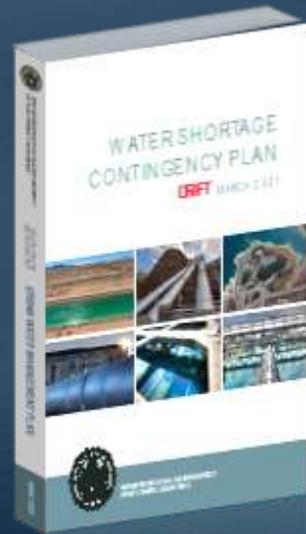
# Adoption of Metropolitan's draft plans



## 2020 Urban Water Management Plan

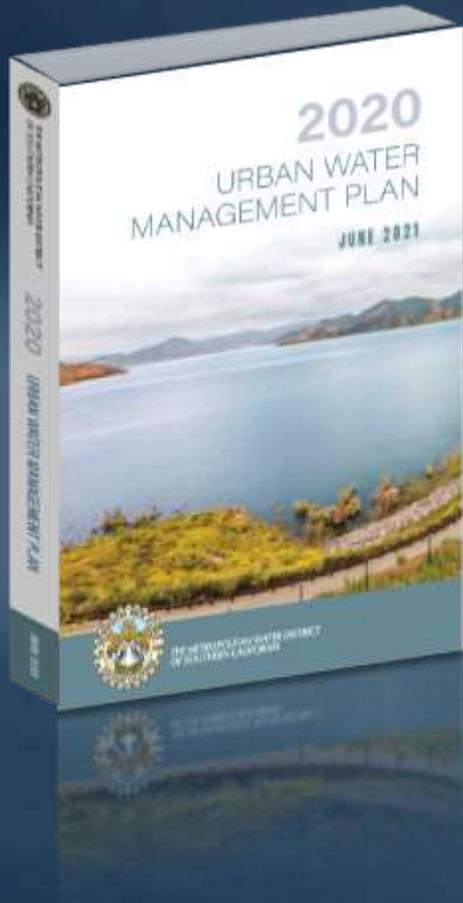


## Appendix 11 Addendum to the 2015 UWMP



## Water Shortage Contingency Plan

# 2020 Urban Water Management Plan



- Urban Water Management Planning Act of 1983
  - Purpose: To ensure, and demonstrate to the State, that supplier has long-term and near-term water service reliability under various hydrologic scenarios
- Plans must be filed with DWR every 5 years
  - Deadline: July 1, 2021
- 2020 UWMP is prepared as part of on-going 2020 IRP
- Main findings of 2020 UWMP is that Metropolitan has supply capabilities to meet projected demands
  - Long-term reliability under normal water year, single dry year, and five consecutive drought years
  - Near-term reliability for droughts within the next five years

# Appendix 11 Reduced Delta Reliance Reporting

- To satisfy Delta Plan Policy
- Needs to be included in supplier's UWMP starting 2015
  - To support certification of consistency for future “covered actions”
    - Consistency is required to proceed with implementation of projects
- Appendix 11 Findings:
  - Regional self-reliance is expected to increase
    - by 813 TAF in 2025 and by 1.28 MAF in 2045, as compared to a 2010 baseline
    - Includes conservation, local supplies and Colorado River supplies and programs
  - Delta reliance is expected to decrease
    - by 301 TAF in 2025 and by 314 TAF in 2045, as compared to a 2010 baseline
    - Includes SWP Table A, Article 21 and Delta transfer supplies



# Water Shortage Contingency Plan



- Presents Metropolitan's planned actions to respond to actual water shortage conditions
- Part of 2020 UWMP and standalone document
- Eight new prescriptive planning elements applicable to wholesale urban suppliers, including:
  - Six standard shortage stages
  - Shortage response actions and communication protocols
  - Procedures for annual water supply and demand assessment starting in 2022

# Milestone Completed



## Key Milestones

- ✓ Kickoff
- ✓ Coordination with appropriate agencies
- ✓ MA review
- ✓ Public Notification
- ✓ Public Review Drafts
- ✓ Public Hearing

## Schedule

May 5, 2020

May 2020 - April 2021

December 2020

January - February 2021

February - April 2021

April 12, 2021

# Public Hearing Comments – Summary

- Comments received from:
  - Member Agencies: SDCWA, LADWP, and IEUA
  - Other entities: NRDC and OCWD
  - Questions from the committee members
- Metropolitan response to the comments:
  - Responded during the public hearing
  - Provided response letters and emails
  - Incorporated clarifying information in Metropolitan's Final 2020 UWMP
  - Included examples of comments received relating to required reliability assessments and Metropolitan's response

# UWMP Assumption for Local Supply Production

- **Comment: UWMP overestimates demand from overestimating gpcd**  
Underestimates local supply with conservative assumption
- **Metropolitan's Response:**

## Demand

- Total Retail Demand
  - Retail M&I (SCAG RTP 20 and SANDAG Series 14)
  - Agricultural, Seawater Barrier, Replenishment demands in coordination with MAs
- minus Conservation Adjustment
  - Active, Code based, Price-effect conservation and Pre-1990 savings
- minus Local Supply Production

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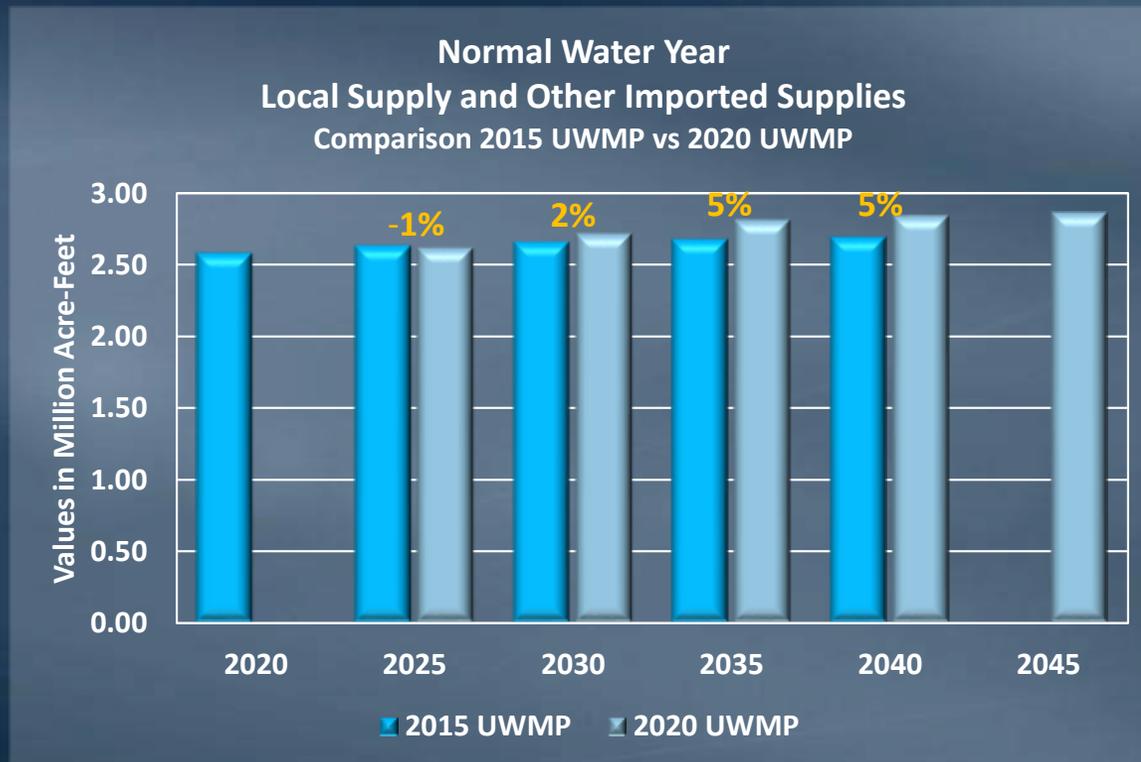
- **Demand on Metropolitan**

## Local Supply Production

- Local Supply Production is consistent with Member Agency estimates
  - Reported in MAs respective UWMPs
  - Extended coordination through IRP Local Supply surveys
  - UWMP MA Coordination process
  - Continued communication and one-on-one meetings with the member agencies

# UWMP Assumption for Local Supply Production

- **Comment:** UWMP overestimates demand from overestimating gpcd  
**Underestimates local supply with conservative assumption**
- **Metropolitan's Response:** UWMP Local Production 2015 vs 2020



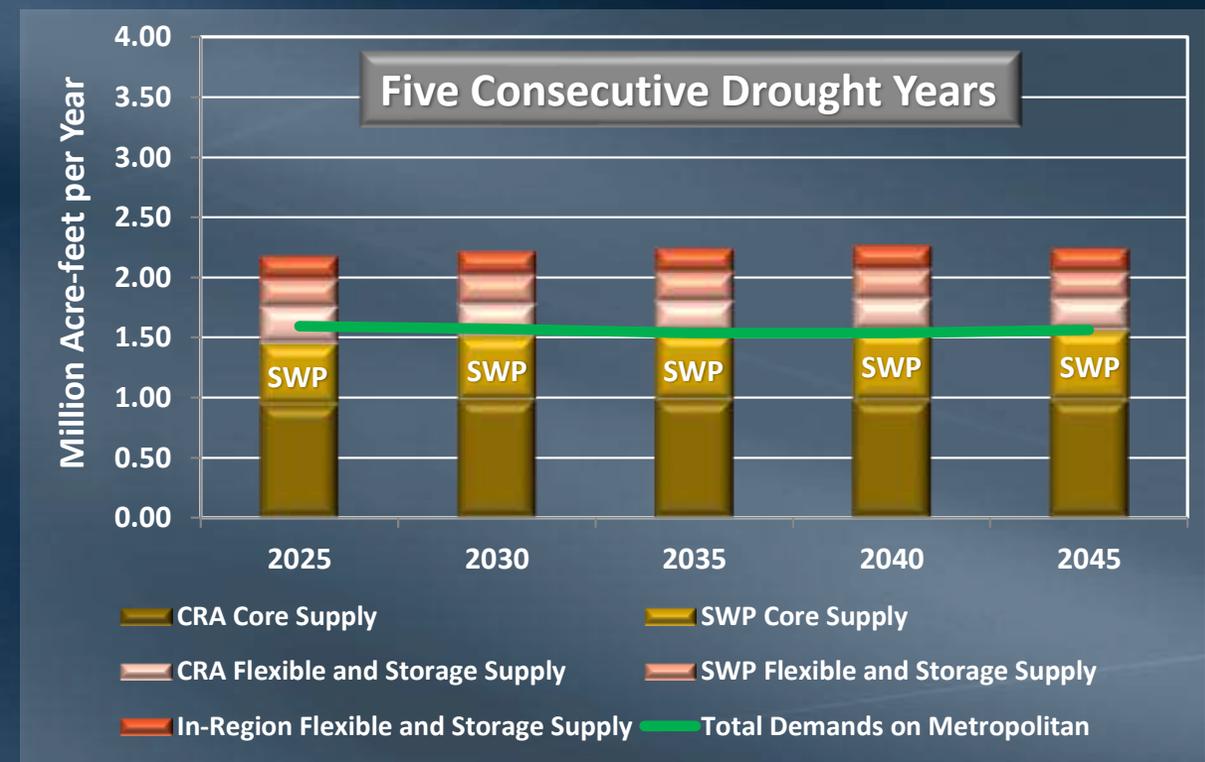
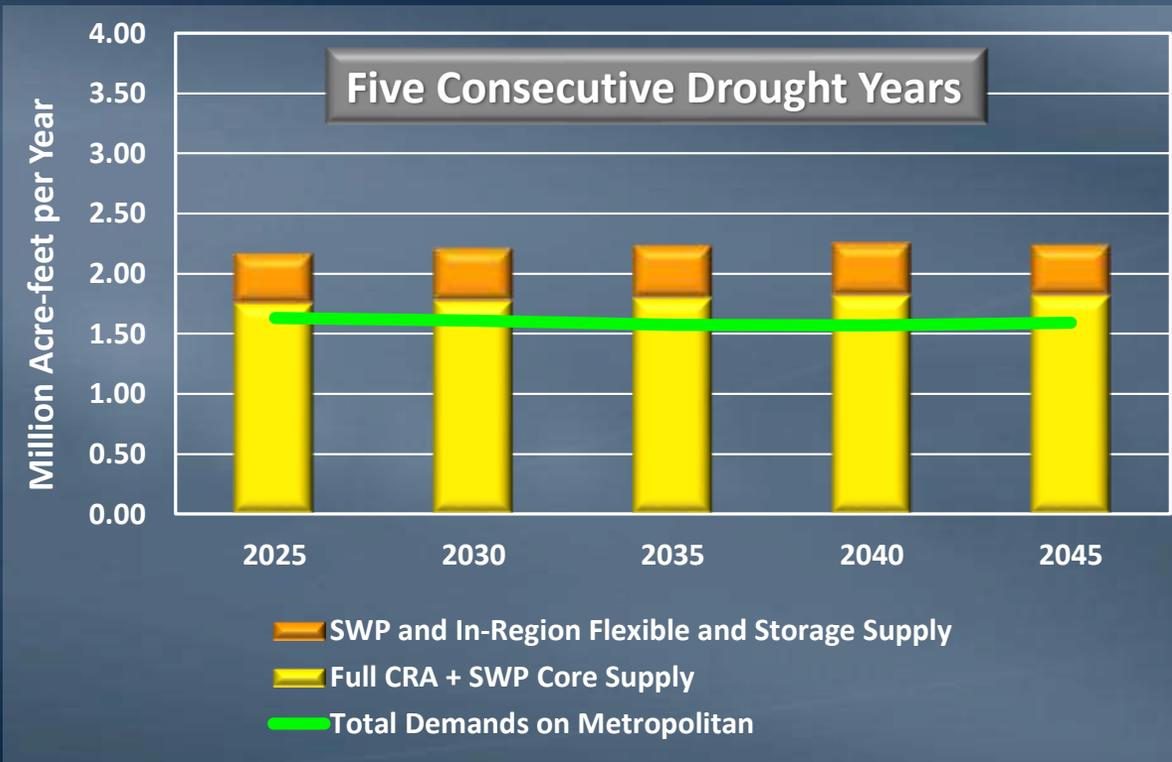
**Average Increase 2025-2040 = 80 TAF**

## Local Supply Production

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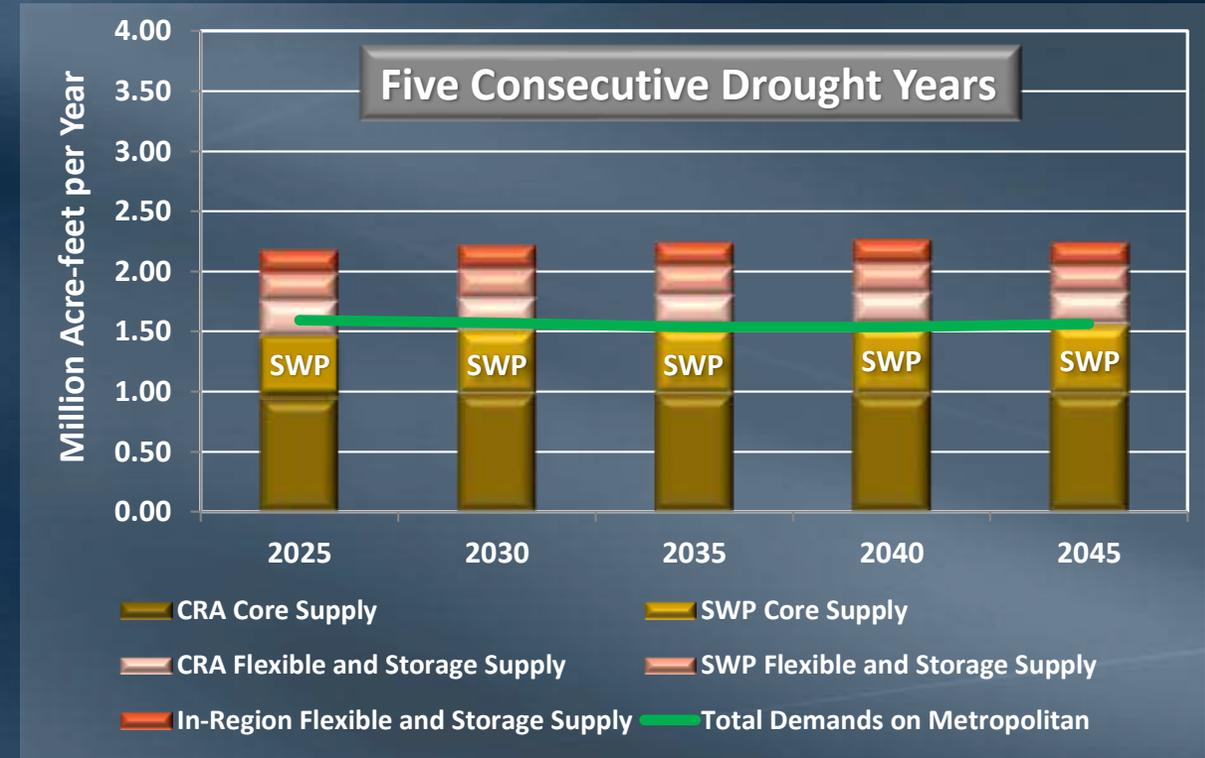
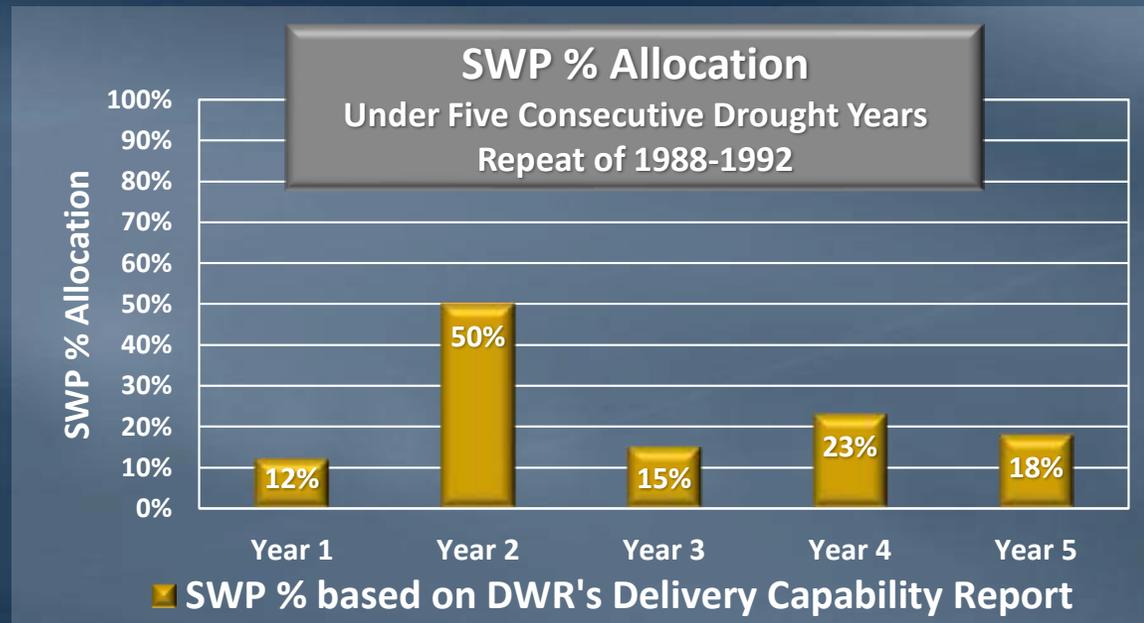
# UWMP Imported Supply Assumptions: SWP

- **Comment:** For 5-year consecutive drought, why do we assume full SWP? Should we not have less SWP during 5-year drought?
- **Metropolitan's response:** Yes!



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# UWMP Imported Supply Assumptions

- **Comment:** Overestimates imported supplies with aggressive assumptions on supply availability
- **Metropolitan's Response:** UWMP uses USBR and DWR estimates
  - Colorado River supplies – projection based on the USBR's Colorado River Simulation System (CRSS) modeling (Jan 2021).
    - USBR modeling is used to estimate Metropolitan's basic apportionment and the availability of QSA and other related programs
    - CRSS assumes continued Drought Contingency Plan through planning horizon
  - SWP supplies – projection based on 2019 SWP Delivery Capability Report that presents current DWR estimates of the amount of water deliveries for current (2020) conditions and conditions 20 years in the future (Aug 2020).
    - 2019 DCR assumes currently existing SWP facilities and does not include Delta Conveyance Project

# Reduced Delta Reliance Calculation

- **Comment:** Should reduction only be shown during drought and not on wet years? How do we show reduction?
- **Metropolitan's Response:** Reporting was developed based on **normal water year** supplies and demands, consistent with UWMP Guidebook Appendix C and Delta Plan Reduced Reliance Policy



# Examples of Clarification included in Final UWMP

- Metropolitan's WSDM and WSAP
- Climate change and subsidence impacts on the demand and supply characterization
- Conservation savings projection does not include savings from the future planned active conservation programs
- Lifetime savings associated with investments made under Conservation Credits Program
- Metropolitan responsibility for California's DCP contribution

# UWMP Reference Materials Page

- Posted on Metropolitan website: [www.mwdh2o.com](http://www.mwdh2o.com)
- Metropolitan's Response to UWMP Comment letters
- Reference materials used in the 2020 UWMP preparation

# Summary of Metropolitan's 2020 UWMP, Appendix 11 Addendum to 2015 UWMP, and WSCP

- Metropolitan's 2020 UWMP and WSCP satisfy all UWMP Act requirements
- Metropolitan's Appendix 11 Reduced Delta Reliance report consistent with 2020 UWMP Guidebook Appendix C
- Plans prepared in coordination with appropriate agencies
- Plans posted for public review
- Notification requirements completed
- Public Hearing completed in April 2021
- Plans are ready for adoption in May 2021
- Plans submission on track to meet July 1, 2021 deadline

# Board Options

- Option 1:
  - Adopt the 2020 UWMP and its resolution for submittal to the State of California in order to comply with the Urban Water Management Planning Act in the California Water Code;
  - Adopt Appendix 11 Addendum to the 2015 UWMP and its resolution for submittal to the State of California in order to include in Metropolitan's 2015 UWMP all of the elements described in Delta Plan Policy; and
  - Adopt the WSCP and its resolution for submittal to the State of California in order to comply with the Urban Water Management Planning Act in the California Water Code

# Board Options

- Option 2:
  - Direct staff to make changes to the 2020 UWMP, Appendix 11 Addendum to the 2015 UWMP, and WSCP based on policy direction, and to resubmit the 2020 UWMP, Appendix 11 Addendum to the 2015 UWMP, WSCP, and their corresponding resolutions to the Board for adoption and submittal to the State of California at a later date.

# Recommendation

- Option 1

