



Imported Water Committee

Update on WSDM and Status of Emergency Water Conservation Program

Item 6b

October 10, 2022

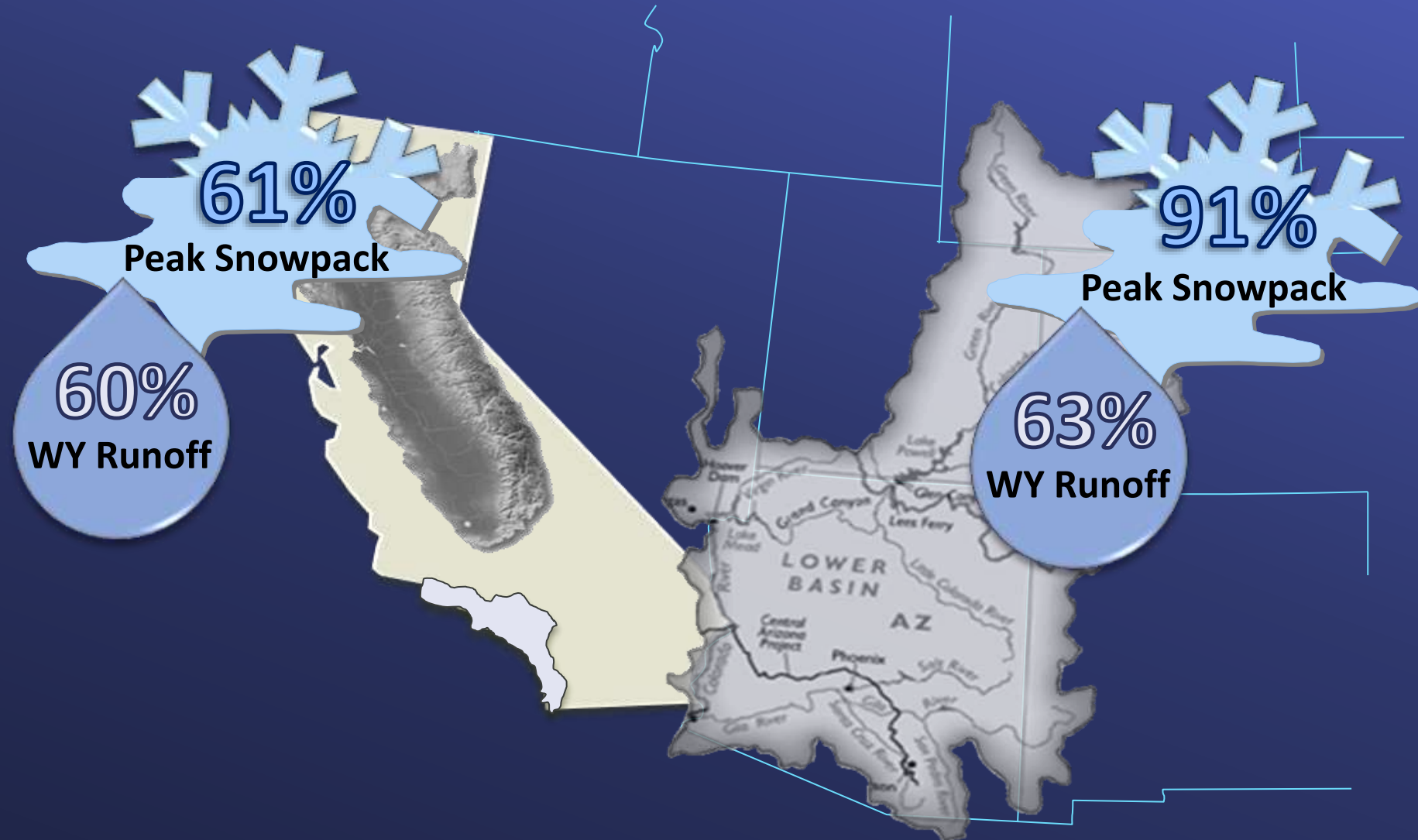
Agenda

1. Water Year 2021/22 Recap
2. WSDM Update
3. Emergency Water Conservation Program Update
4. Planning for Calendar Year 2023

Water Year 2021/22 Recap

Water Year 2021/2022

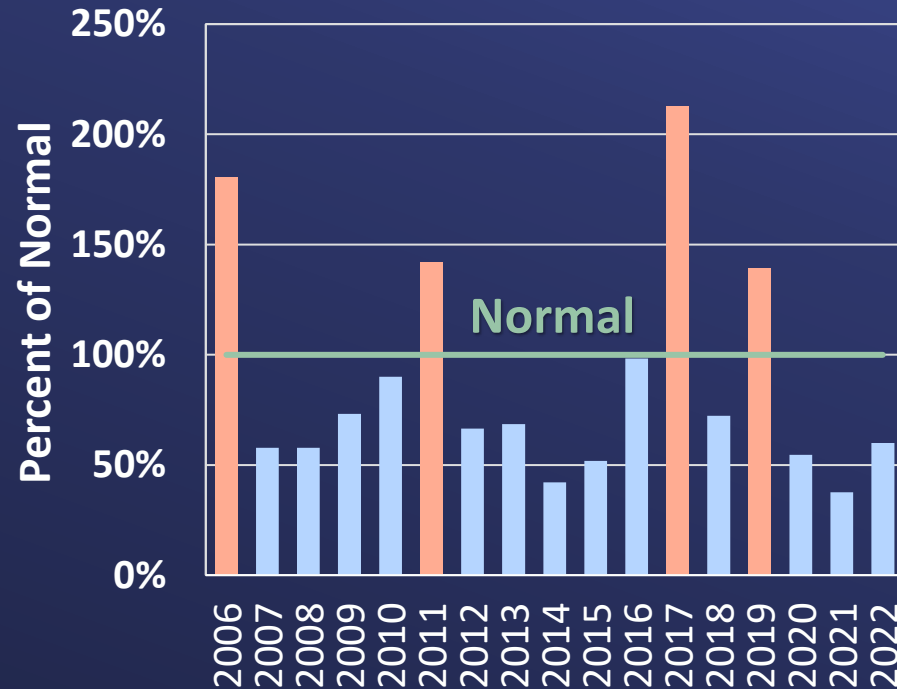
Peak Snowpack and Runoff Conditions



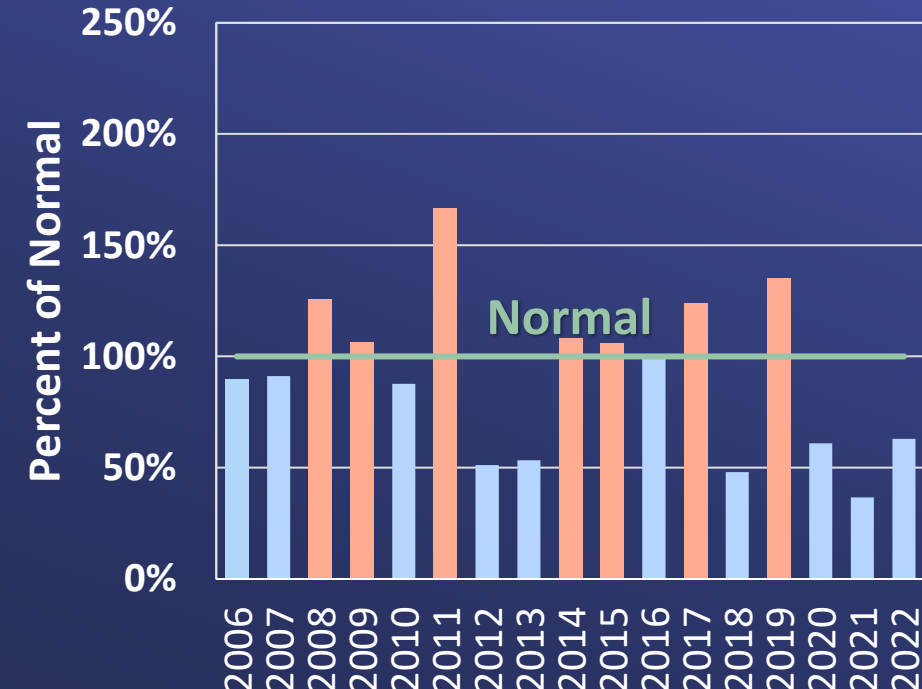
Water Year 2021/2022

Continuation of Below Average Runoff

Sacramento River Runoff



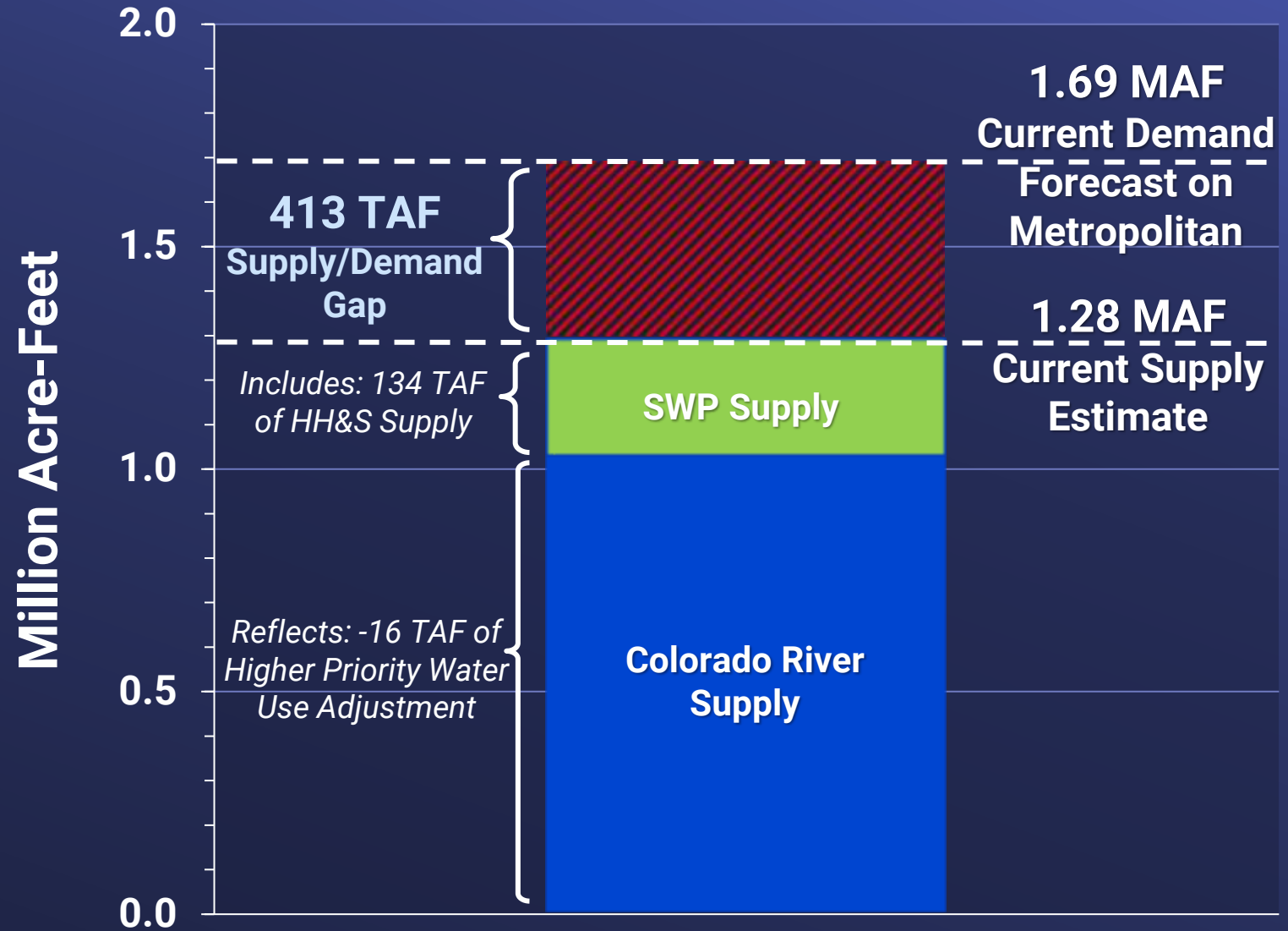
Powell Unregulated Inflow



WSDM Update

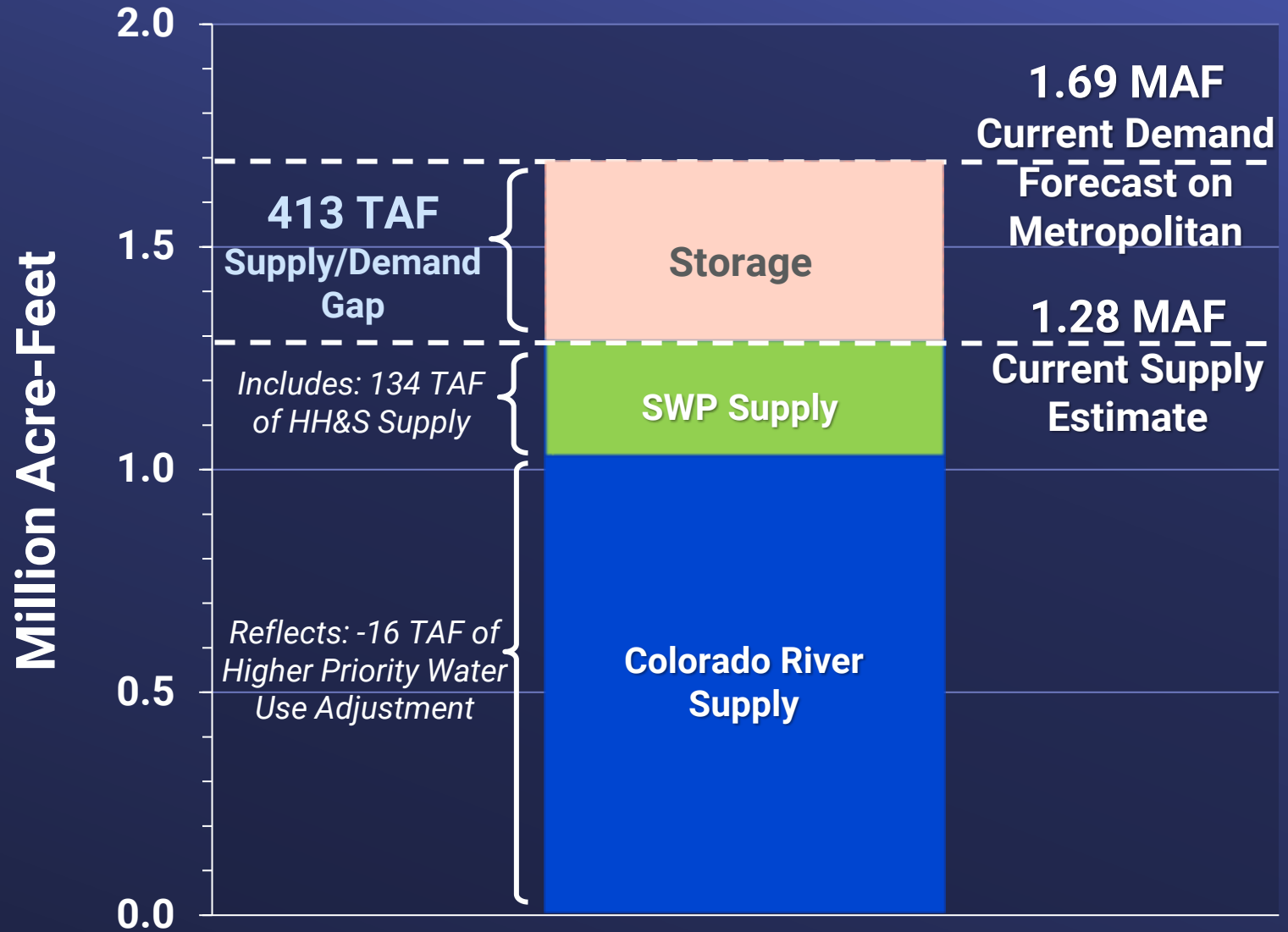
WSDM Supply Demand Balance

Regional View



WSDM Supply Demand Balance

Regional View



Additional Updates

Upper Feeder Shutdown

- Emergency shutdown began September 6th and concluded September 19th
 - Emergency repair to critical MWD infrastructure
- Approximately 12 TAF of SWP supplies used during shutdown
 - Affected member agencies were those who receive water from Weymouth
- DWR approved additional Human Health & Safety water request for shutdown



Additional Updates

2023 Human Health & Safety

- Human Health and Safety (HH&S) calculation per DWR guidelines:



- 2023 HH&S developed in coordination with SWP Dependent Area agencies
- Metropolitan submitted the assessment for the SWP Dependent Area for October 1st deadline

Emergency Water Conservation Program Update

Emergency Water Conservation Program

September Update

- September Path Compliance

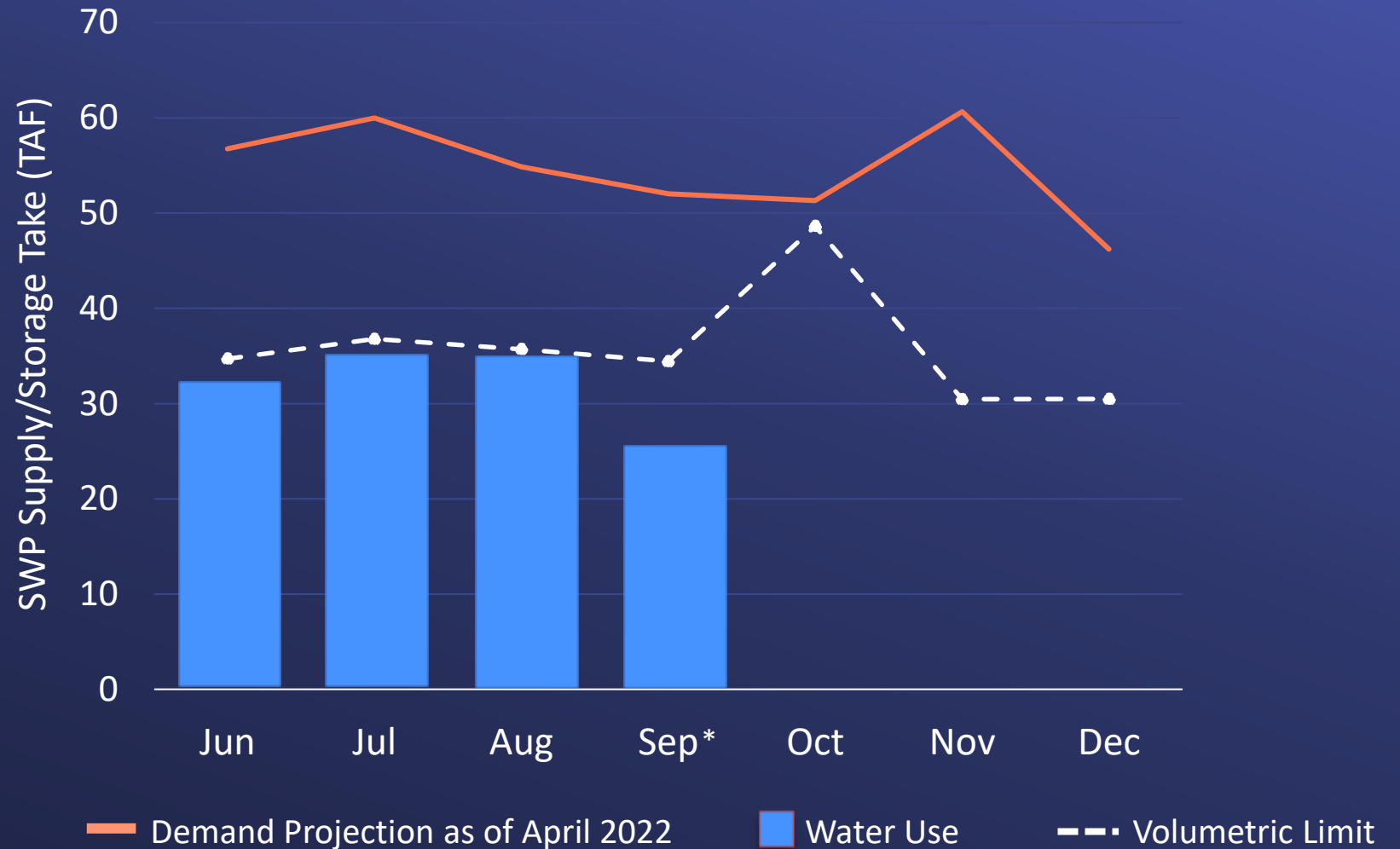
PATH 1	PATH 2
Las Virgenes MWD Three Valleys MWD Calleguas MWD*	City of Los Angeles Inland Empire Utilities Agency Upper San Gabriel Valley MWD

**6 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 month of November

Emergency Water Conservation Program

SWP Dependent Area Demands on Metropolitan

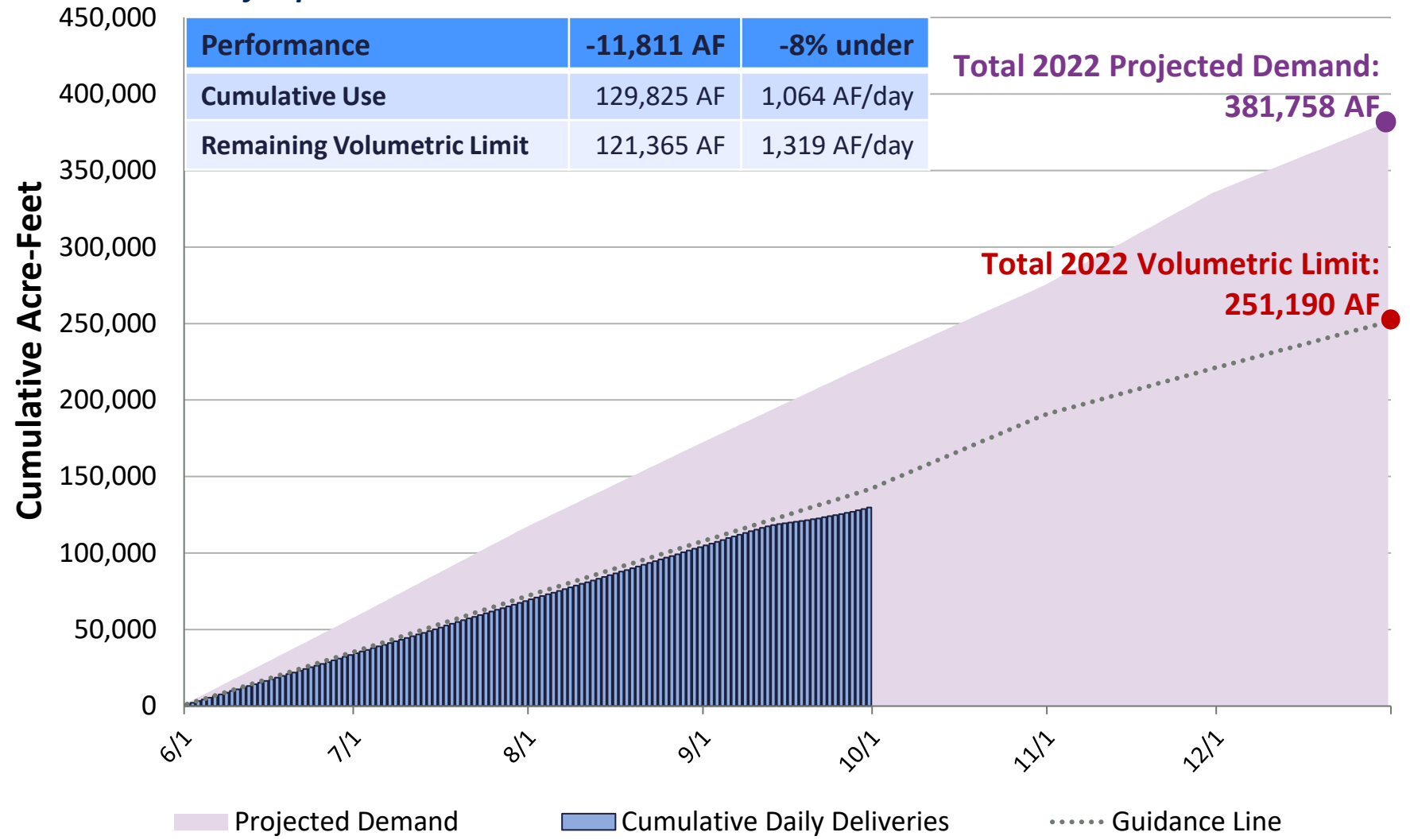


**Note: Reduced demands in September stemmed from high turbidity in Castaic Lake and operational decisions by member agencies to reduce deliveries from Metropolitan*

All SWP Dependent Agencies Weekly Water Use Tracking

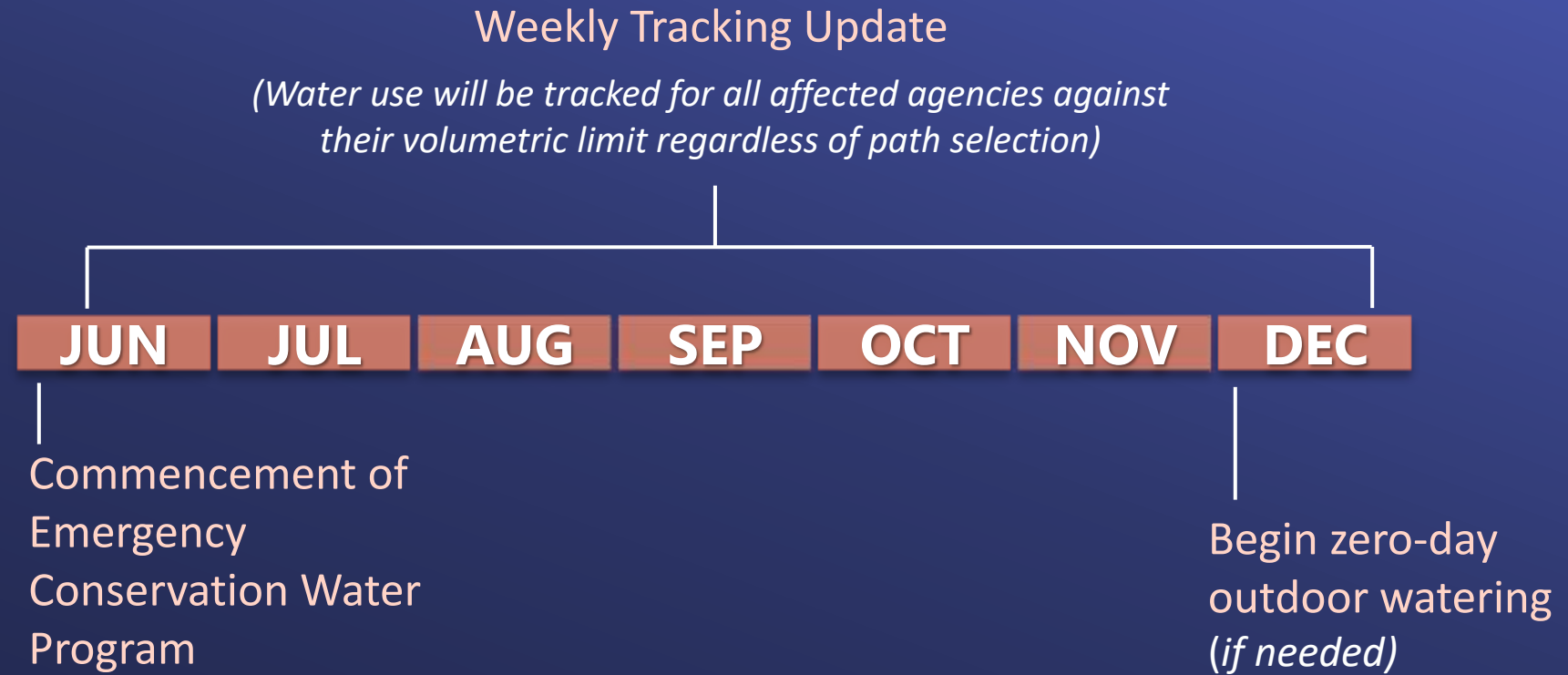
June to
December
2022

All SWP Dependent Agencies: June to December 2022 as of September 30



**Demand projection as of April 26, 2022*

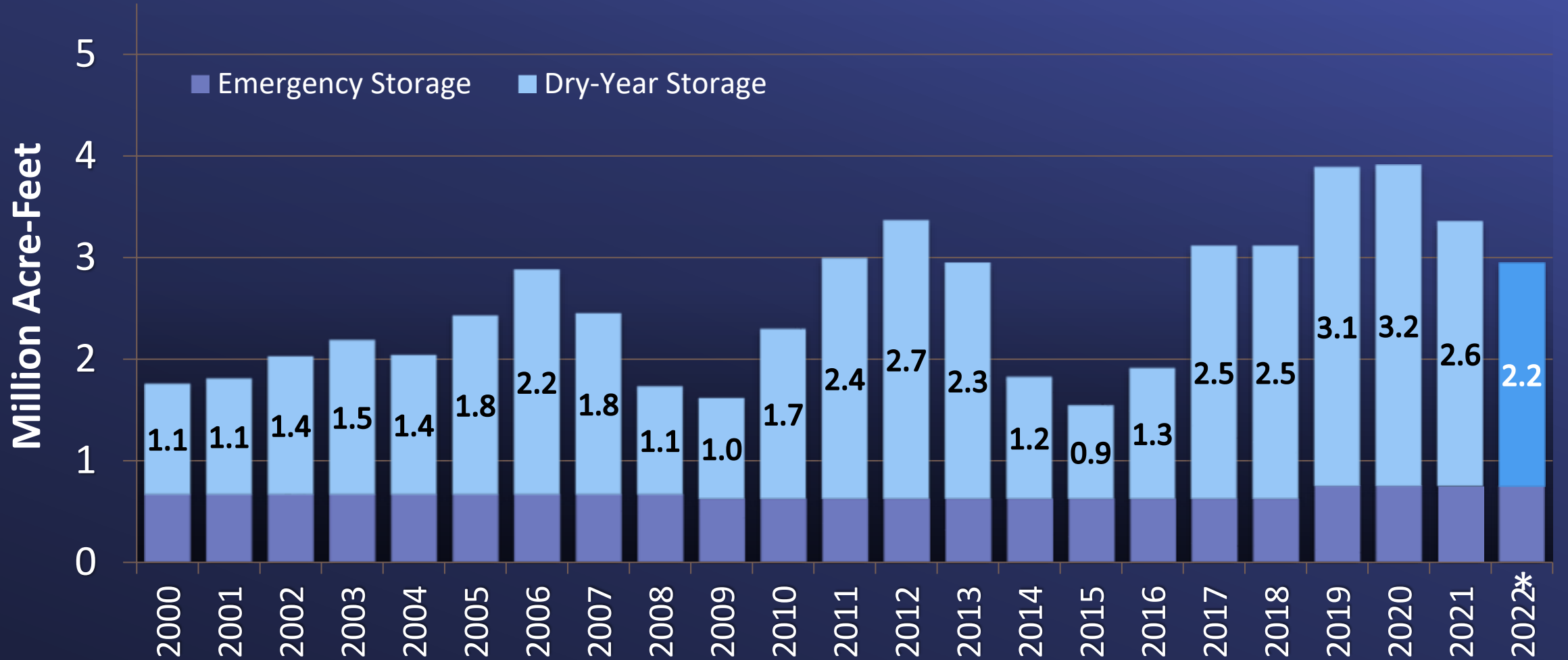
Timeline of Activity and Key Decision Points



Planning for Calendar Year 2023

2022 Storage Projected to be 2.2 MAF

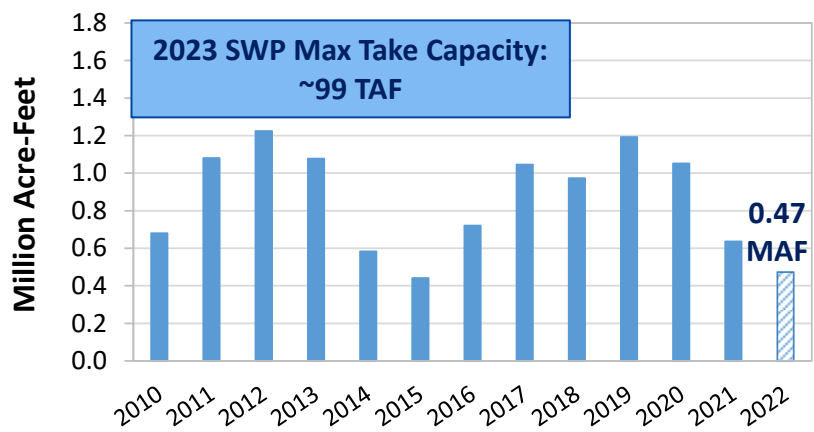
End of Year Balances



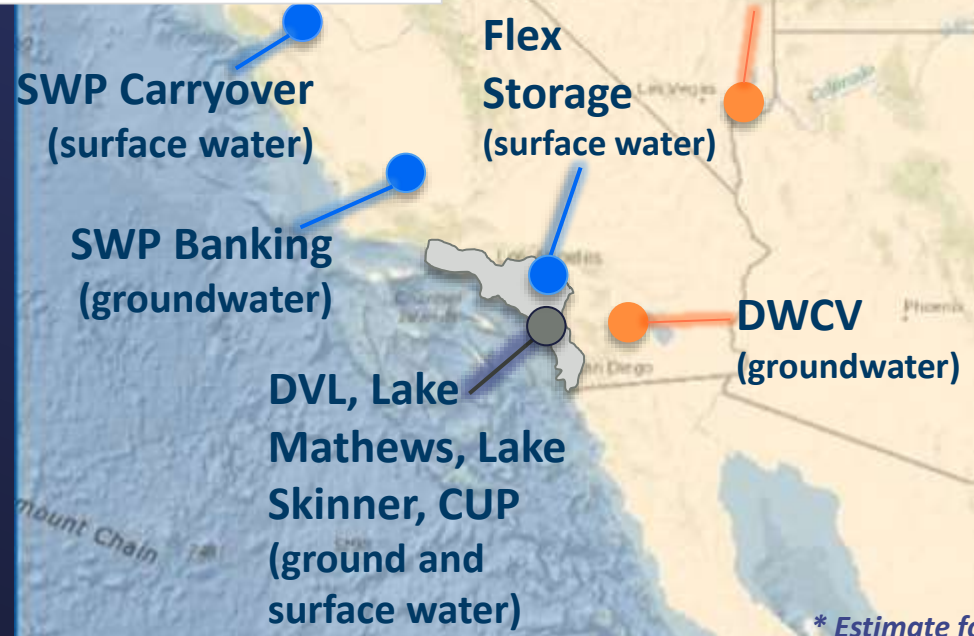
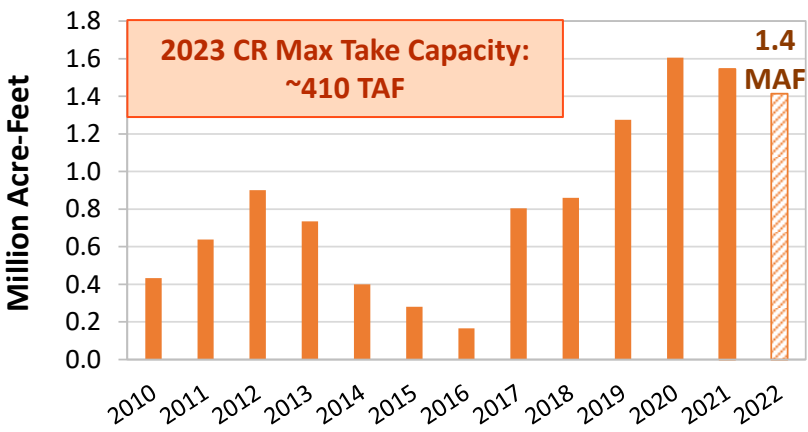
* Estimate – May change based on supply/demand conditions

End of Year Storage by Region

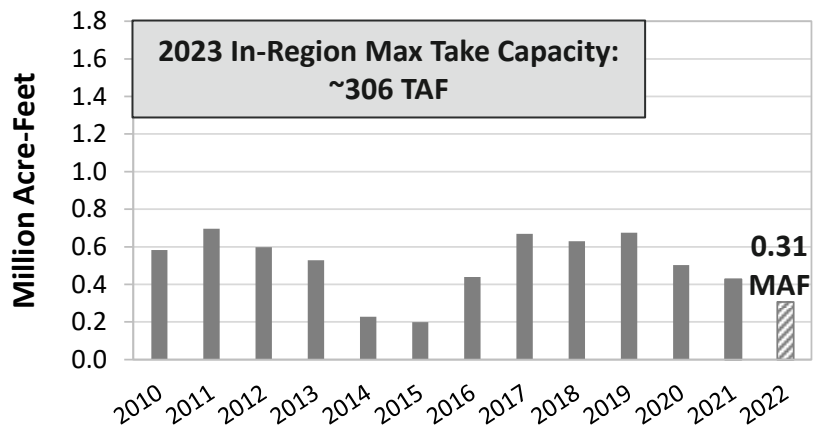
SWP End-of-CY Storage Level



CR End-of-CY Storage Level



In-Region End-of-CY Storage Level



* Estimate for 2022. Does not include emergency storage.

Planning for 2023

Three Major Water Supply Problems Impacting 2023

1) Acute shortage of supplies to meet demands in SWP Dependent Area

- Very low initial SWP Table A allocation expected
- Depleted SWP system storage

2) Deteriorating Colorado River supply conditions and conservation mandates

- Level 2A Lower Basin shortage
- Lake Mead storage needed to satisfy future DCP contributions and obligations

3) Downward trend for in-region storage reserves

- Depleted MWD storage

Planning for 2023

All Three
Problems Are
Impacted by
2023 SWP
Supplies

- Low 2023 SWP:
 - Extend the implementation of the EWCP
 - Continue to rely on Colorado River supplies as a baseload
 - Continue to drawdown regional storage
- High 2023 SWP:
 - Meet demands and recover storage in SWP Dependent Area
 - Reduce pressure and allow blending with Colorado River supplies
 - Stabilize and recover regional storage

Next Steps

- Continue to evaluate EWCP path compliance and potential penalties
- Continue transmittal of weekly EWCP reports
 - EWCP weekly report reflecting data from June 1 – October 11 tentatively scheduled for transmittal on October 12, 2022
- Ongoing coordination
 - Discussions with member agencies
 - 2023 EWCP parameters
 - Potential regionwide allocation approaches
 - Other system limitations impacts

