



Imported Water Committee

# Update on WSDM and Status of Emergency Water Conservation Program

Item 6b

October 10, 2022

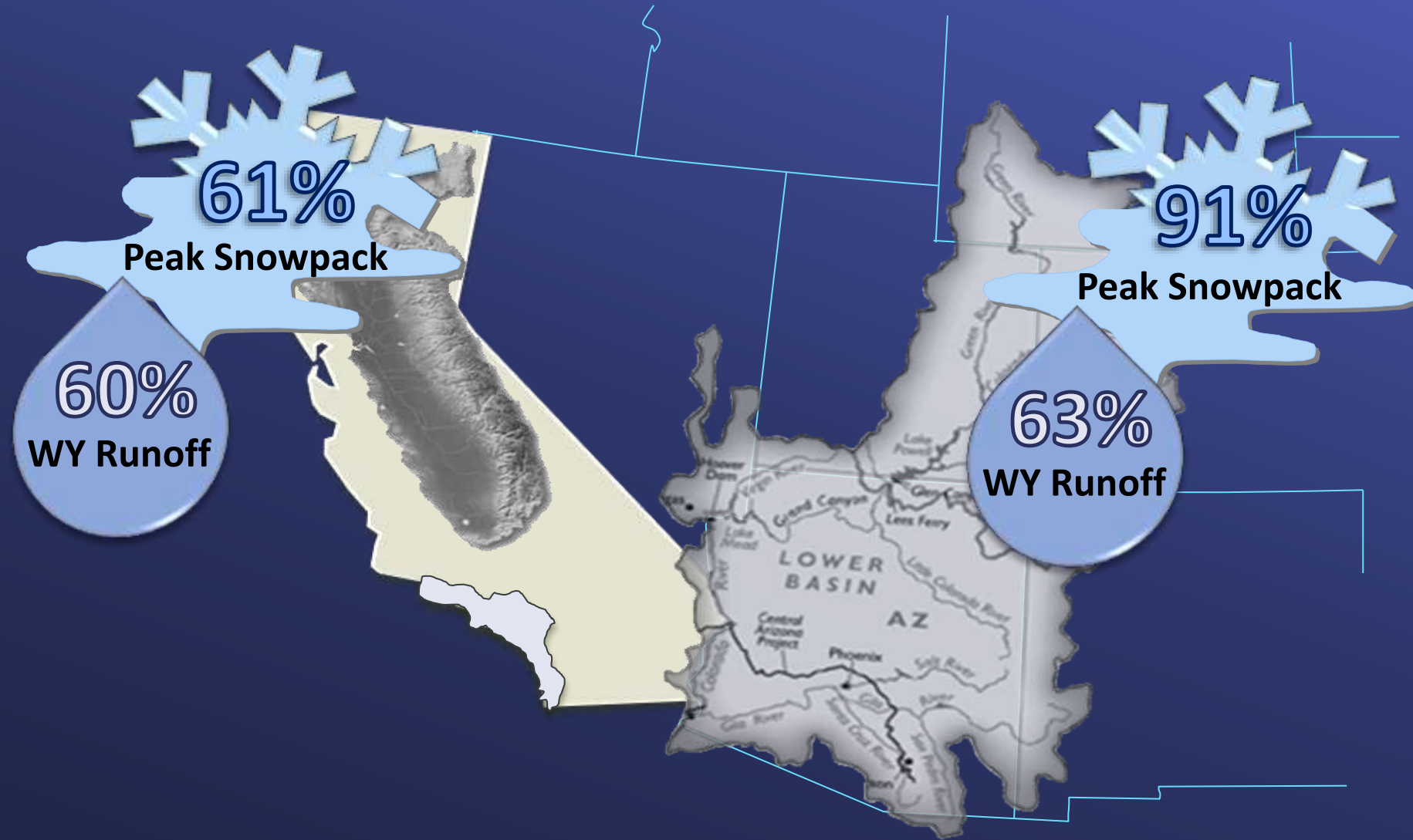
# Agenda

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

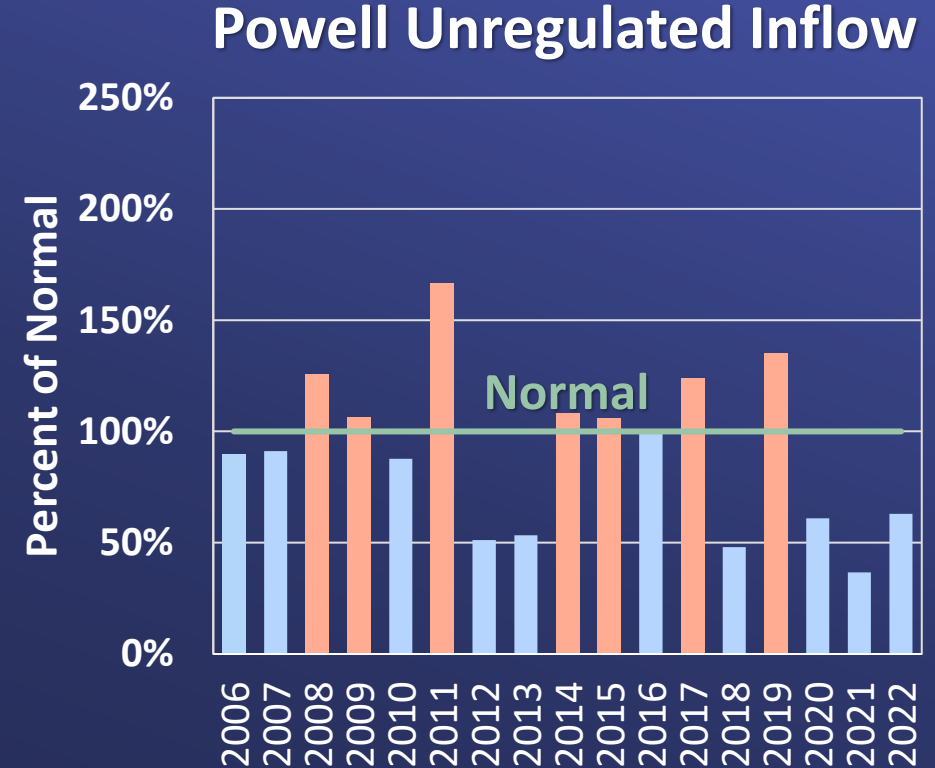
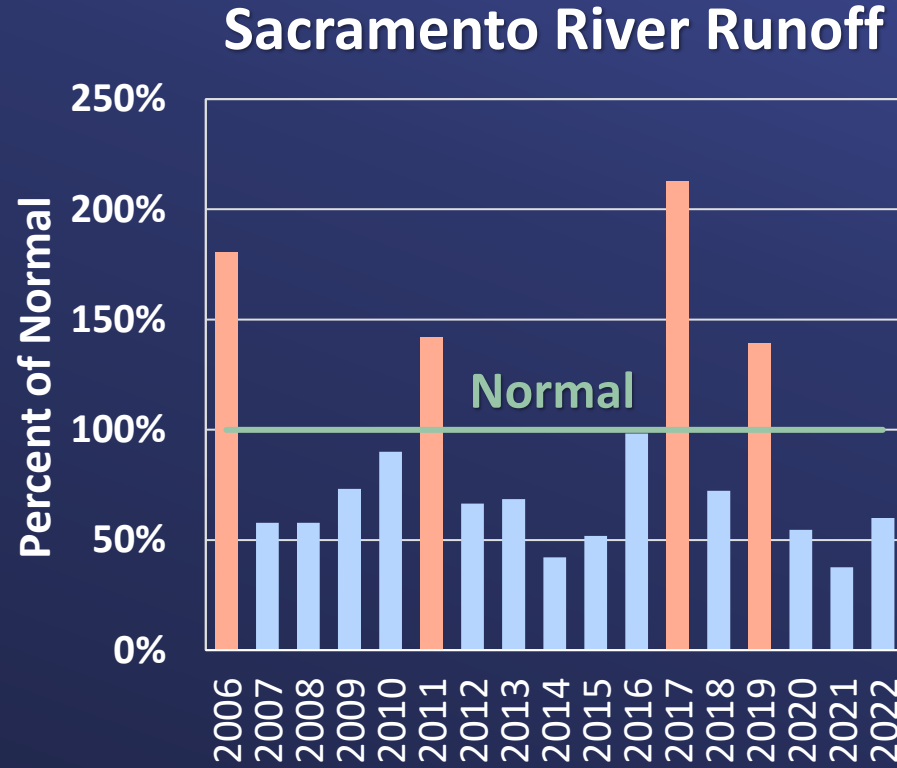
# Water Year 2021/2022

## Peak Snowpack and Runoff Conditions



# Water Year 2021/2022

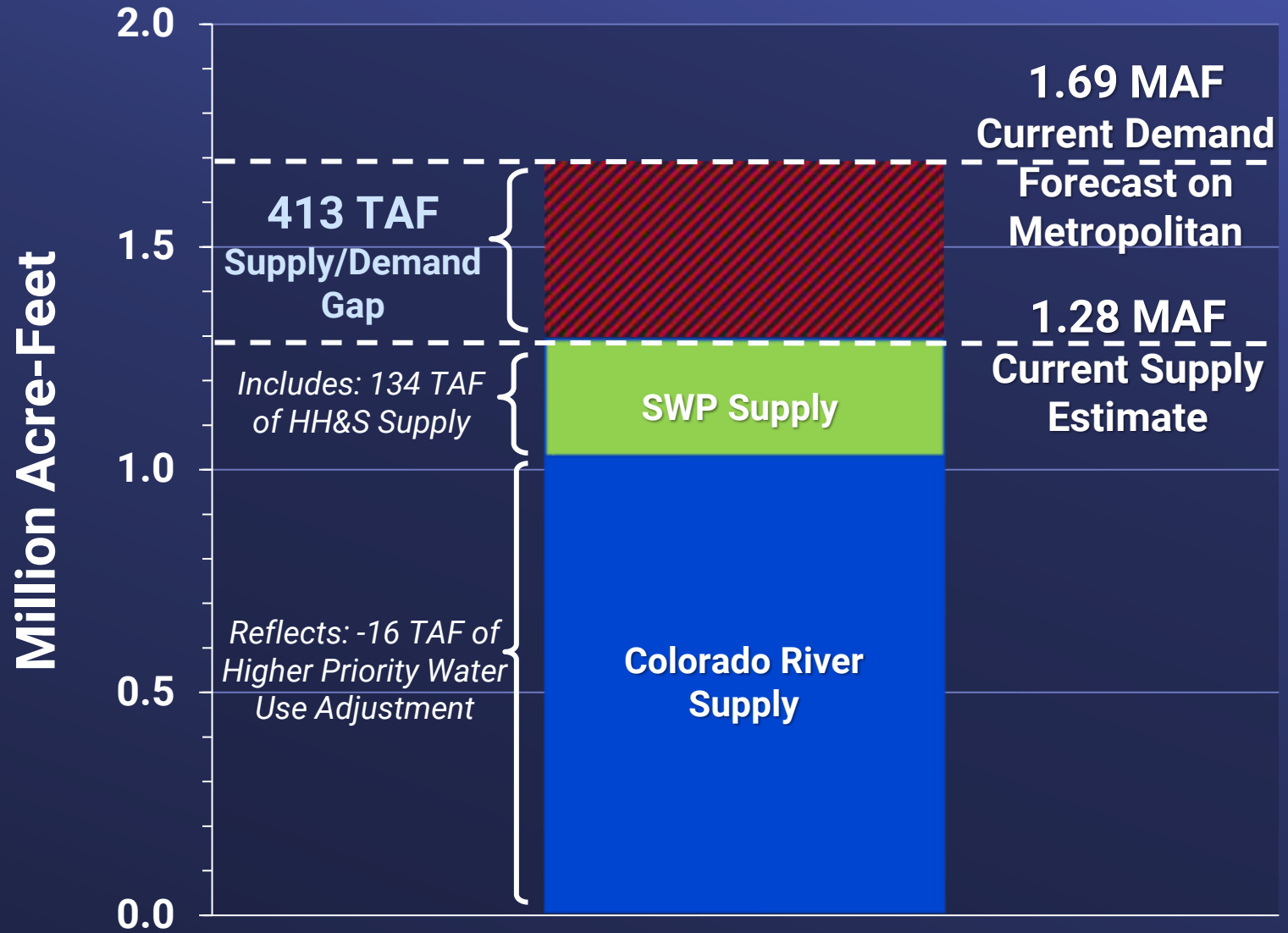
## Continuation of Below Average Runoff



# WSDM Update

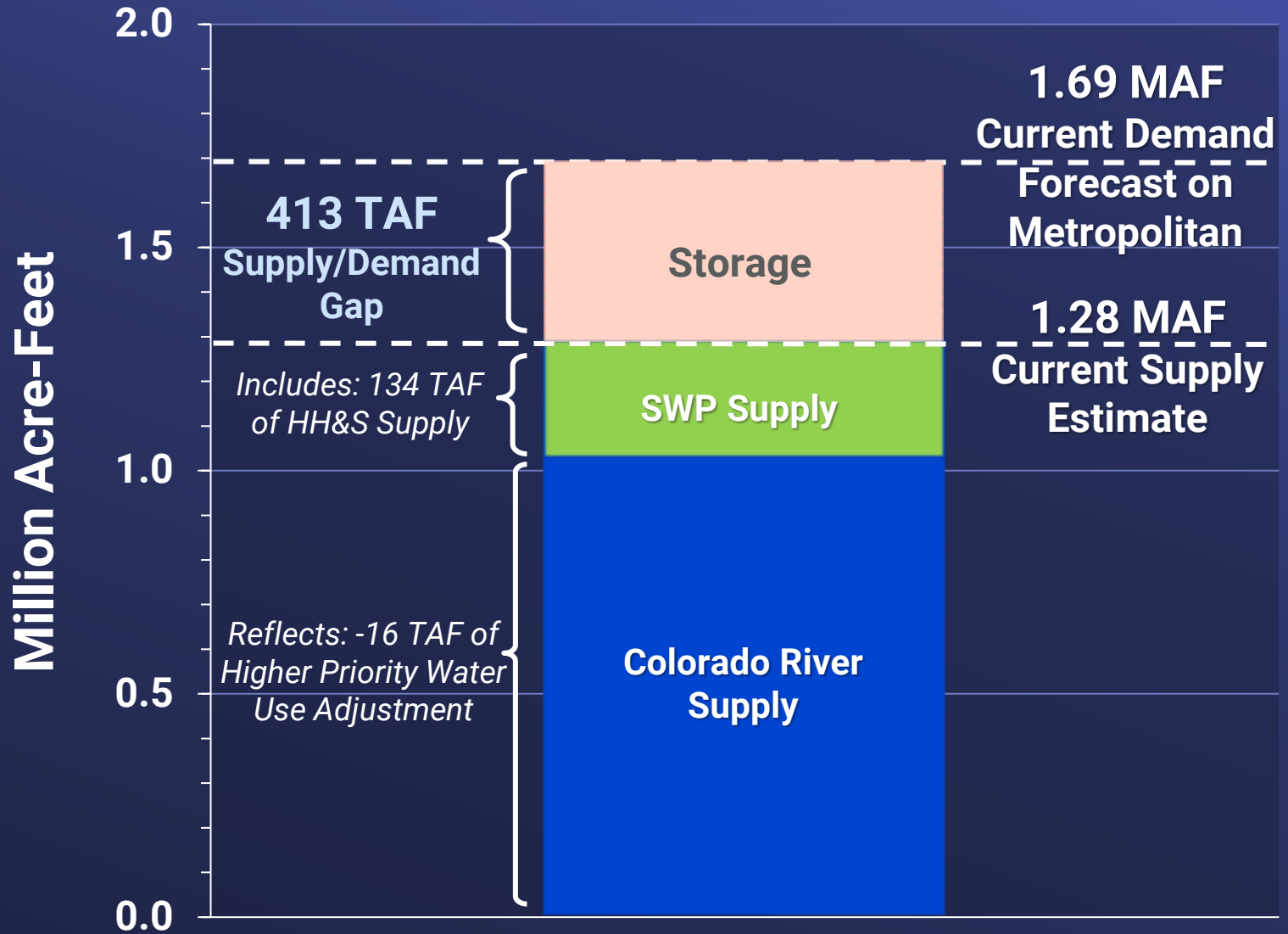
# WSDM Supply Demand Balance

## Regional View



# WSDM Supply Demand Balance

## Regional View





## Additional Updates

## Upper Feeder Shutdown

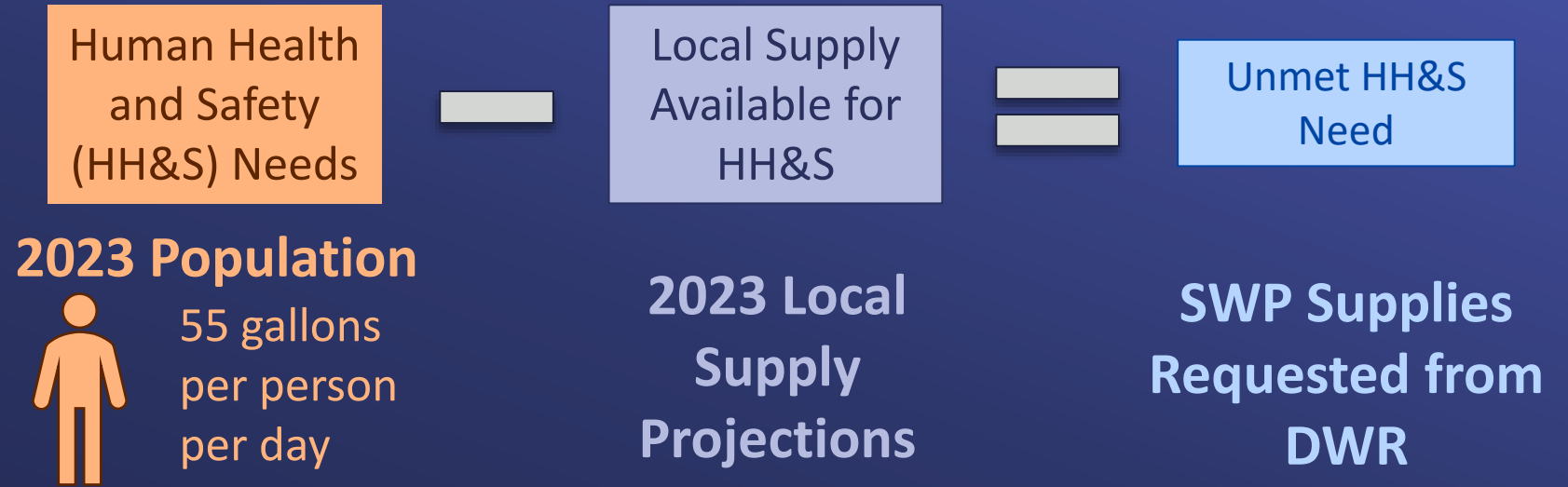
- Emergency shutdown began September 6<sup>th</sup> and concluded September 19<sup>th</sup>
  - Emergency repair to critical MWD infrastructure
- Approximately 12 TAF of SWP supplies used during shutdown
  - Affected member agencies were those who receive water from Weymouth
- DWR approved additional 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 1<sup>st</sup> deadline

# Emergency Water Conservation Program Update

# Emergency Water Conservation Program

## September Update

- September Path Compliance

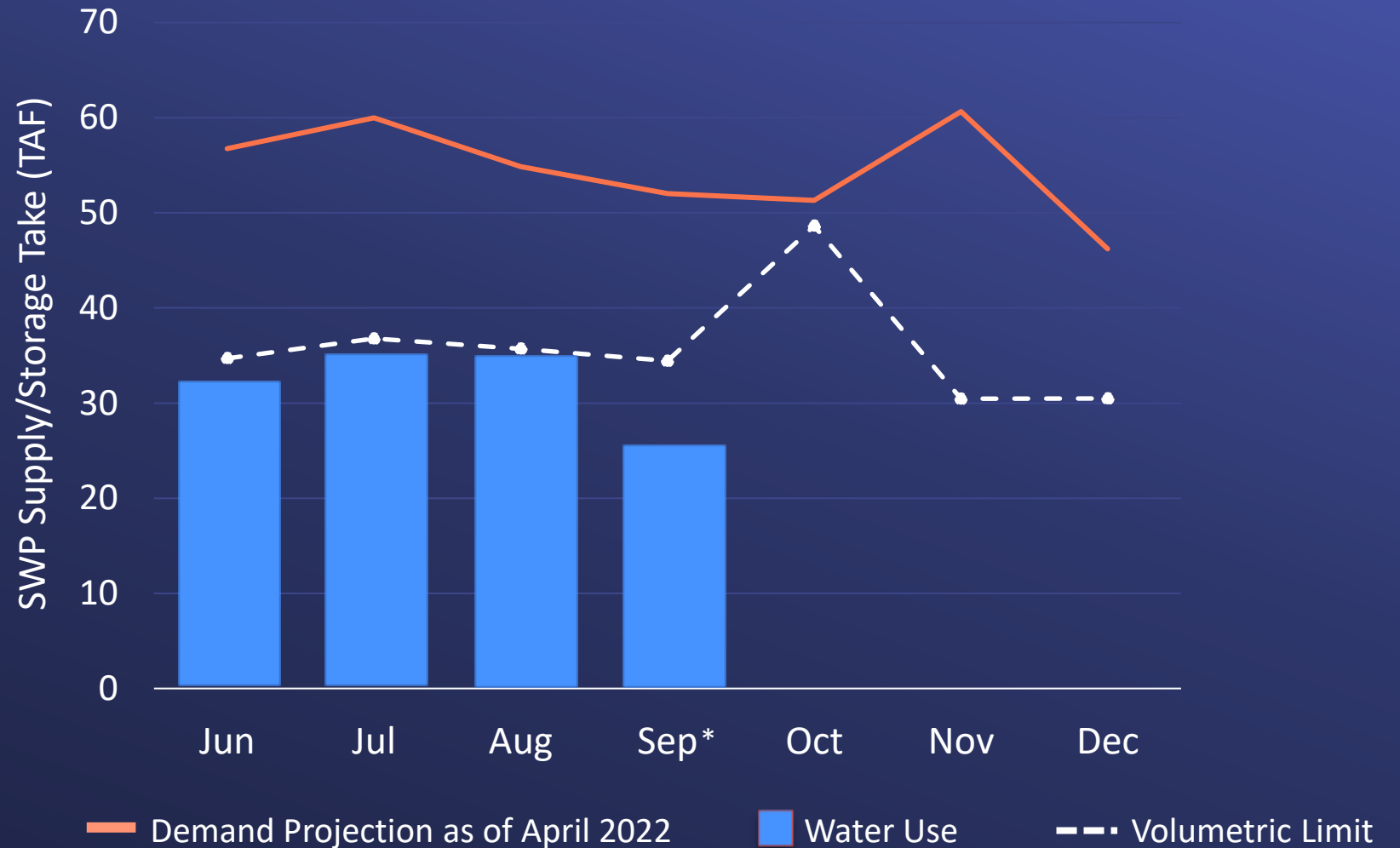
PATH 1	PATH 2
Las Virgenes MWD Three Valleys MWD Calleguas MWD*	City of Los Angeles Inland Empire Utilities Agency Upper San Gabriel Valley MWD

*\*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



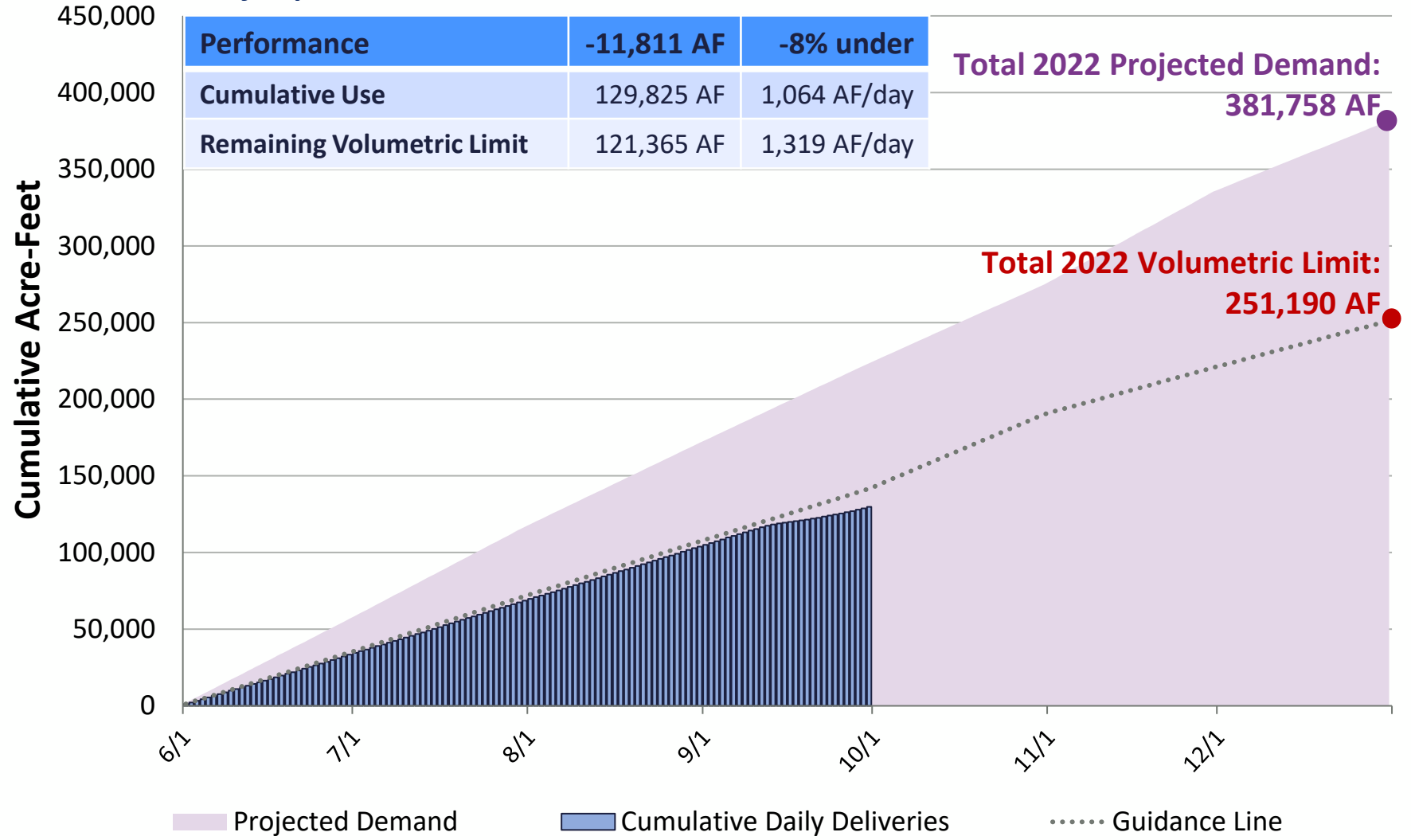
*\*Note: Reduced demands in September stemmed from high turbidity in Castaic Lake and operational decisions by member agencies to reduce deliveries from Metropolitan*

# All SWP Dependent Agencies Weekly Water Use Tracking

## June to December 2022

### All SWP Dependent Agencies: June to December 2022

as of September 30

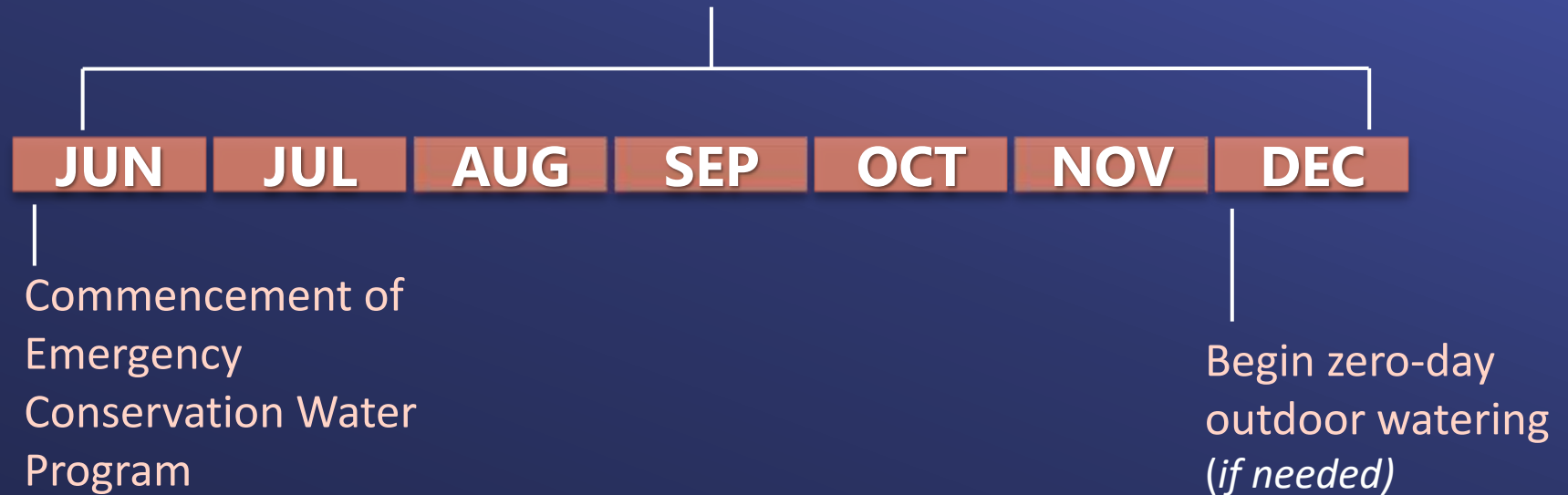


\*Demand projection as of April 26, 2022

# Timeline of Activity and Key Decision Points

## Weekly Tracking Update

*(Water use will be tracked for all affected agencies against their volumetric limit regardless of path selection)*

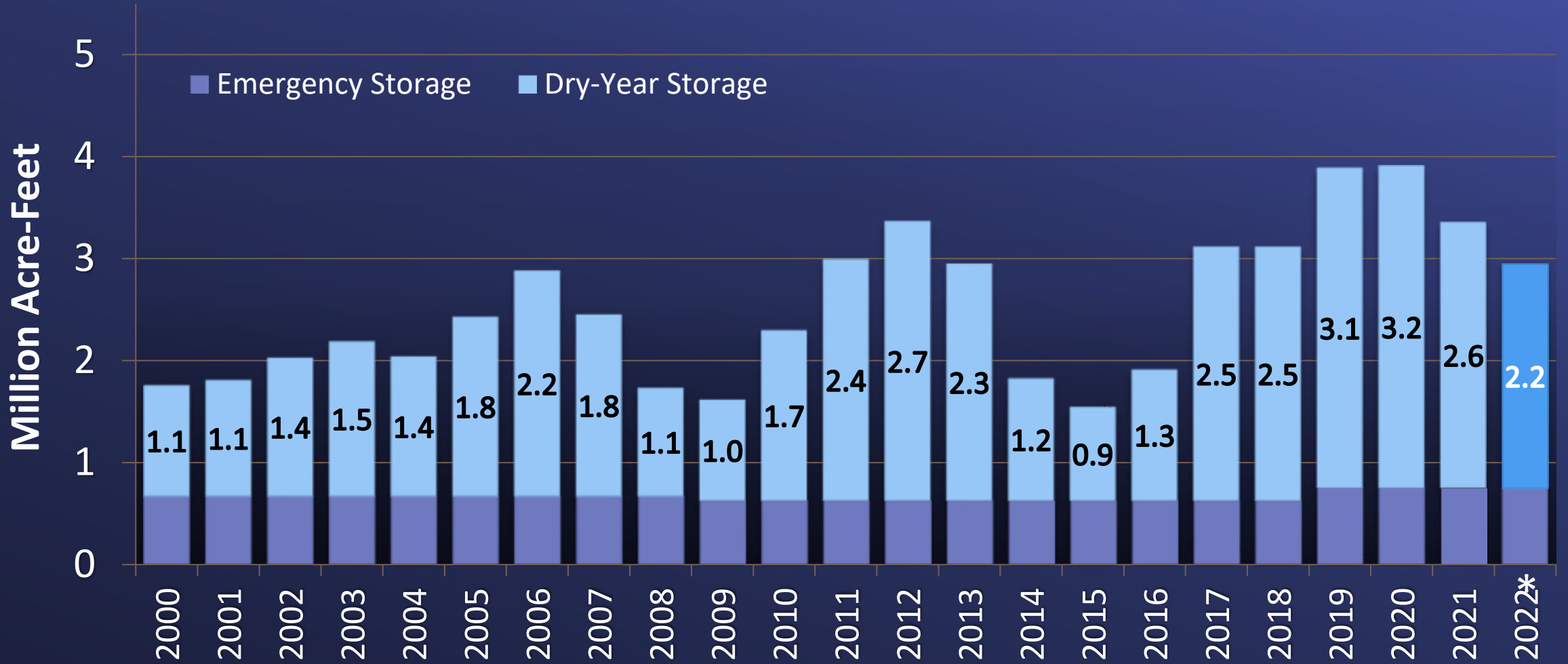


# Planning for Calendar Year 2023



# 2022 Storage Projected to be 2.2 MAF

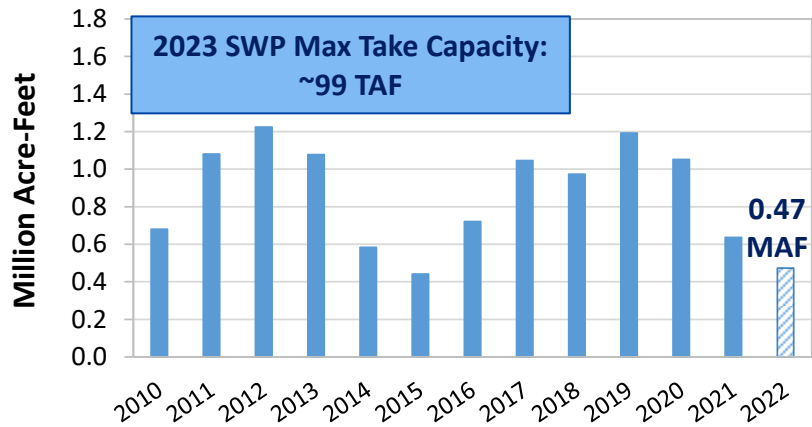
## End of Year Balances



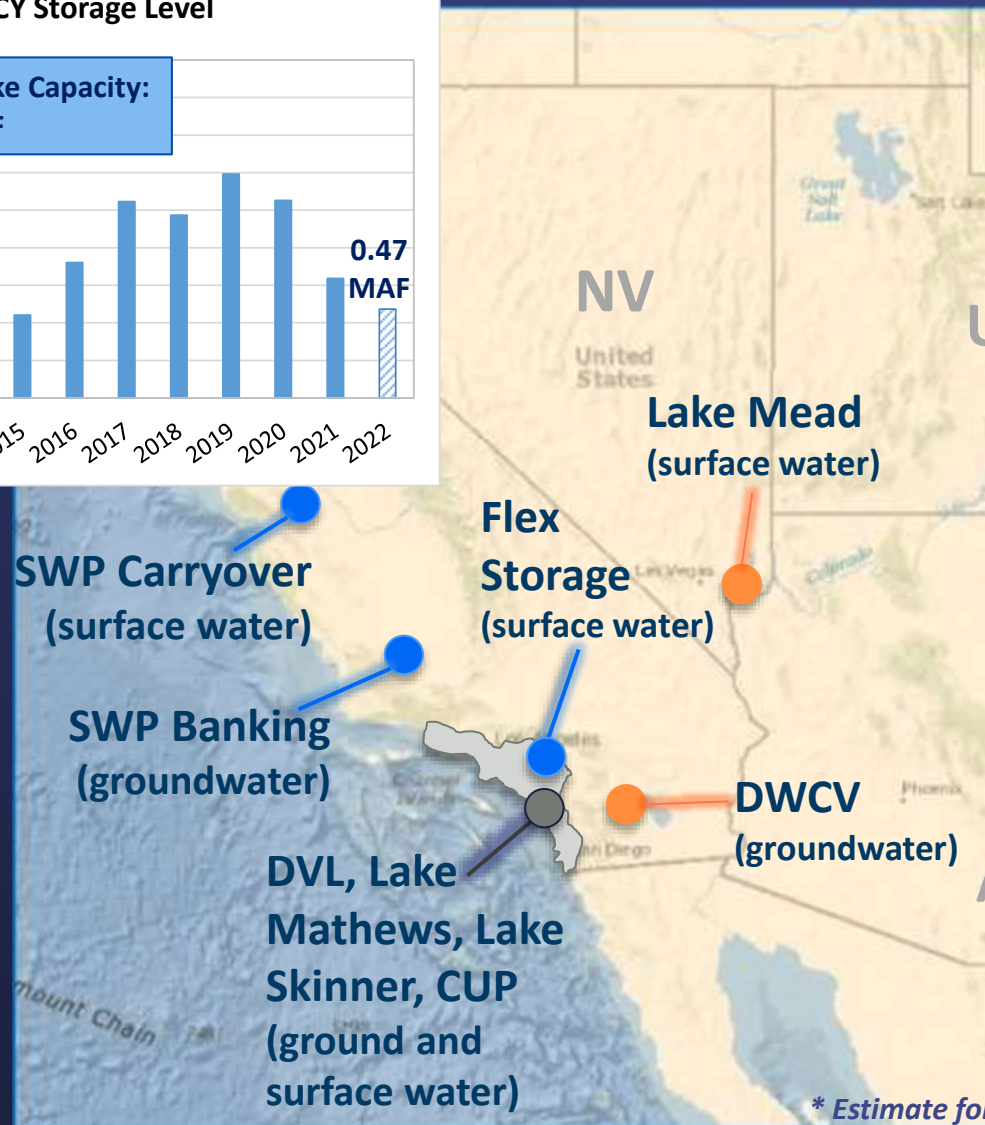
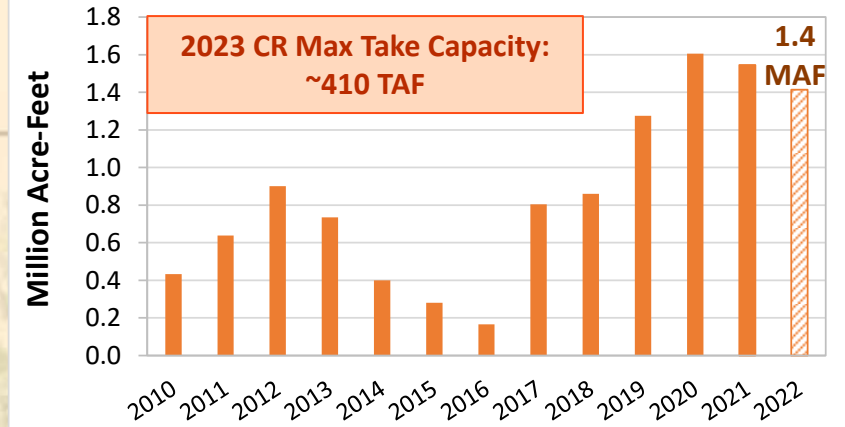
\* Estimate – May change based on supply/demand conditions

# End of Year Storage by Region

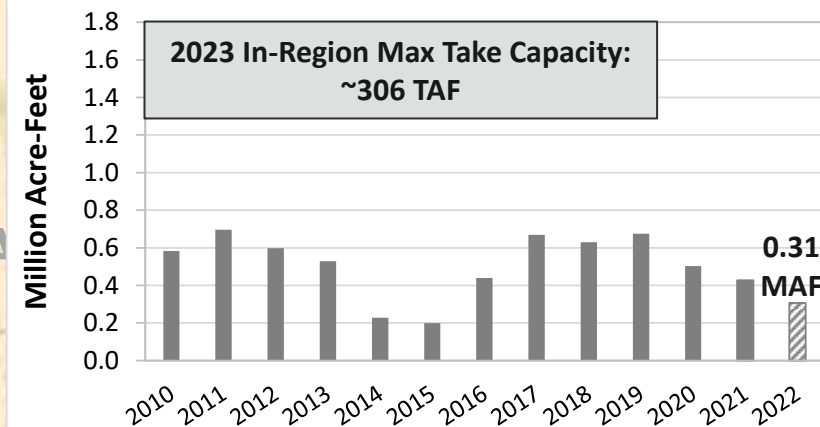
SWP End-of-CY Storage Level



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

