



# Water Surplus and Drought Management Update

Water Planning and Stewardship Committee

Item 6b

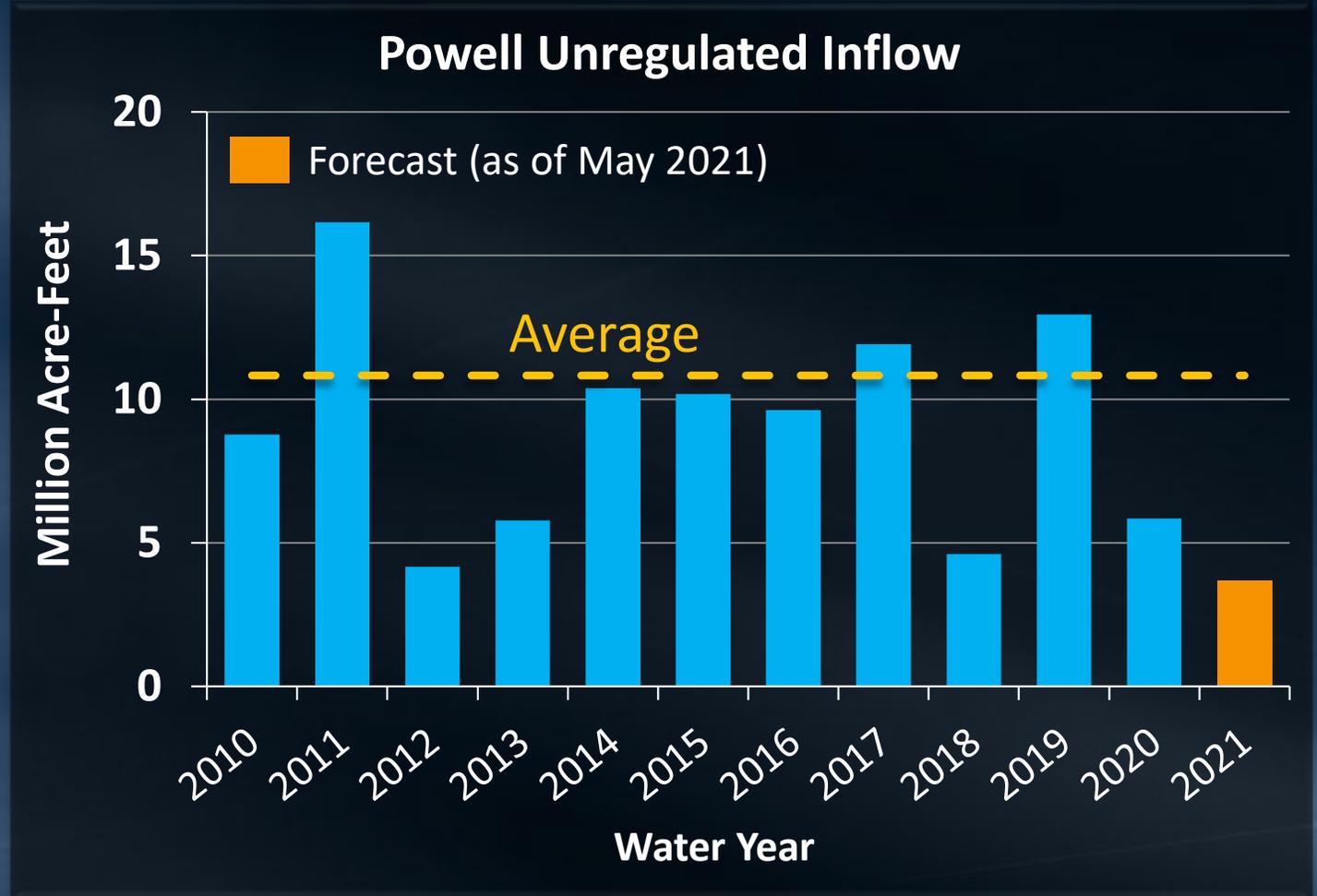
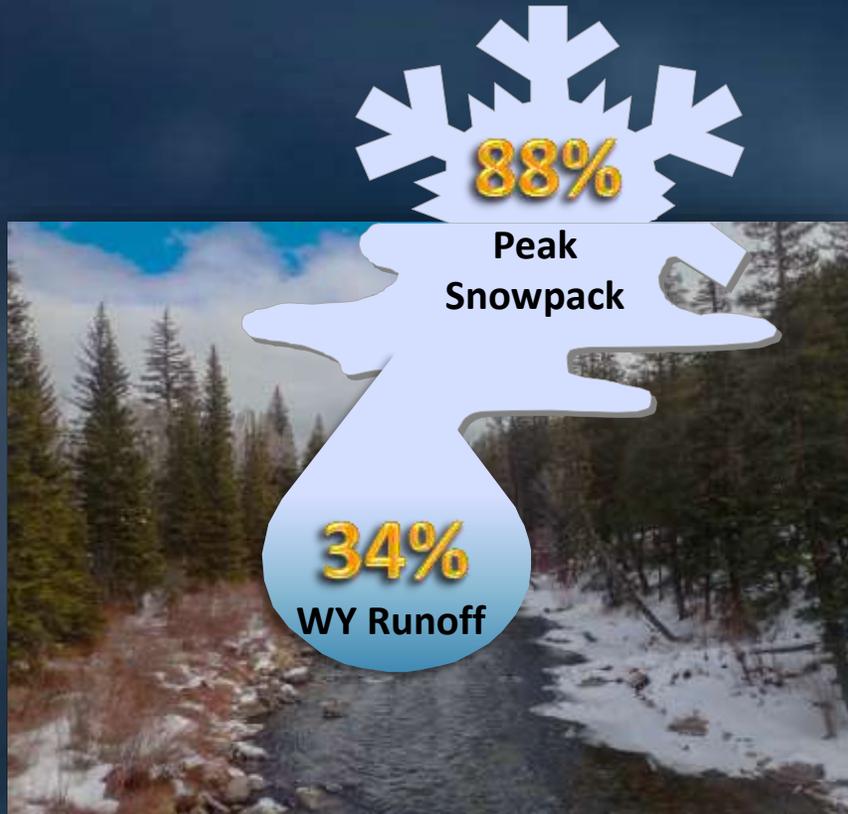
May 10, 2021

# Outline

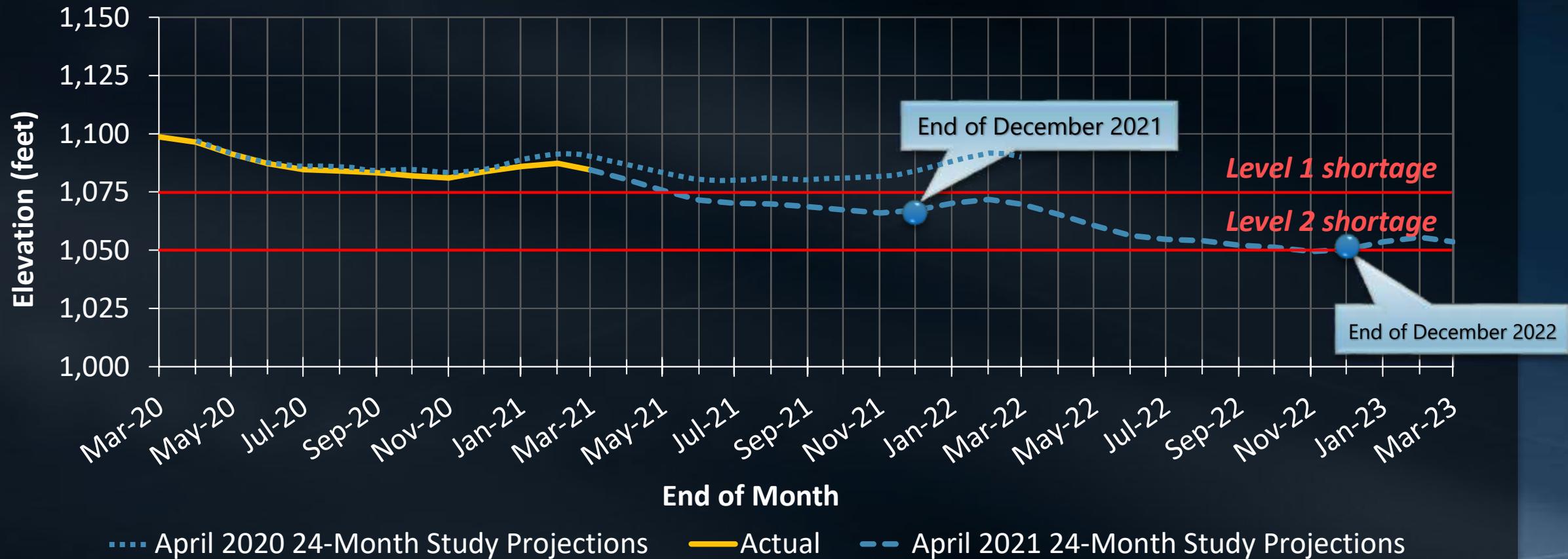
- Hydrologic Conditions
- Governor's Drought Proclamation
- 2021 Supply and Demand Balance
- Dry-Year WSDM Actions Underway
- Projected End-of-Year 2021 Storage Balance

# Hydrologic Conditions

# Below Normal Runoff Projected in the Upper Colorado River Basin



# USBR's 24-Month Study Continues to Project Declining Lake Mead Elevation



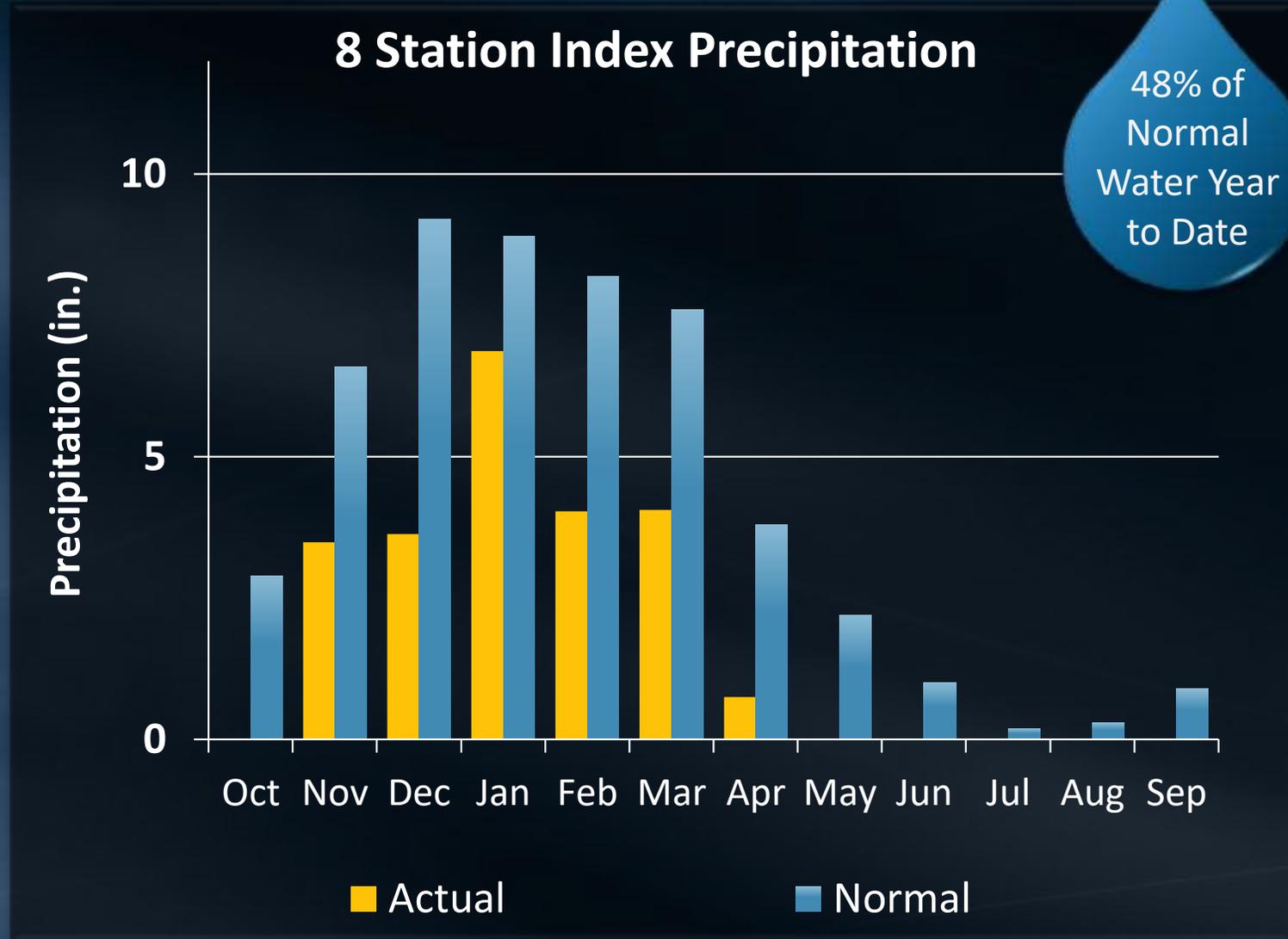
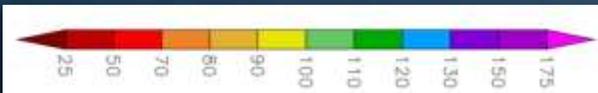
April 24-Month Study

# Contribution to Support Lake Mead

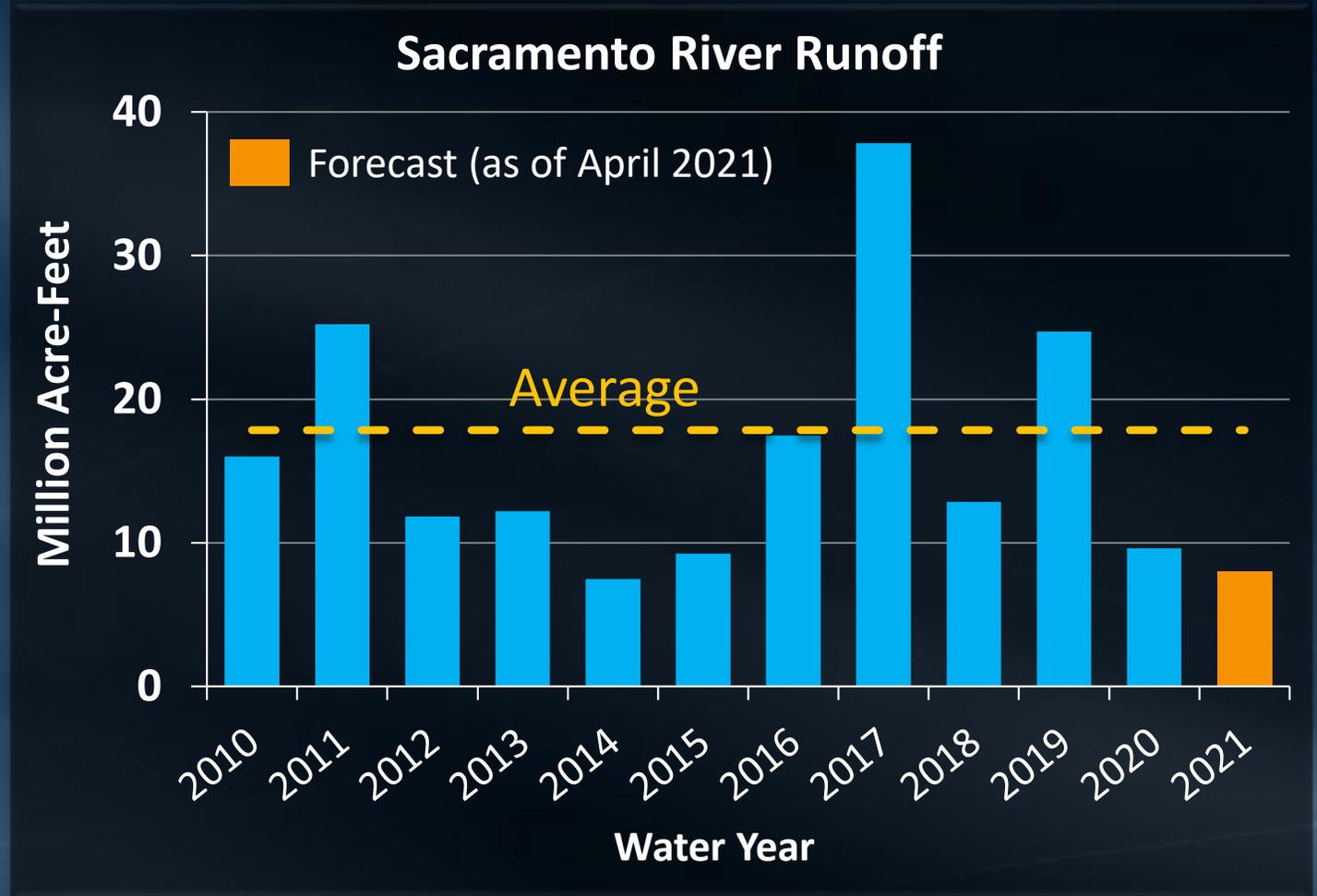
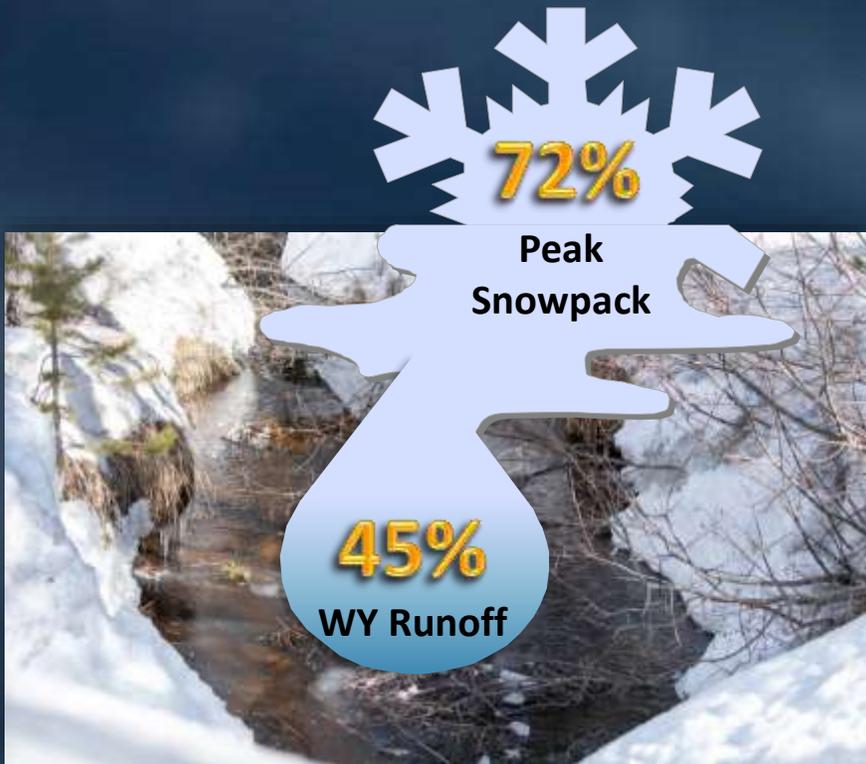


# Below Normal Precipitation Statewide

As of 5/5/2021



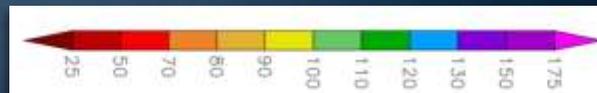
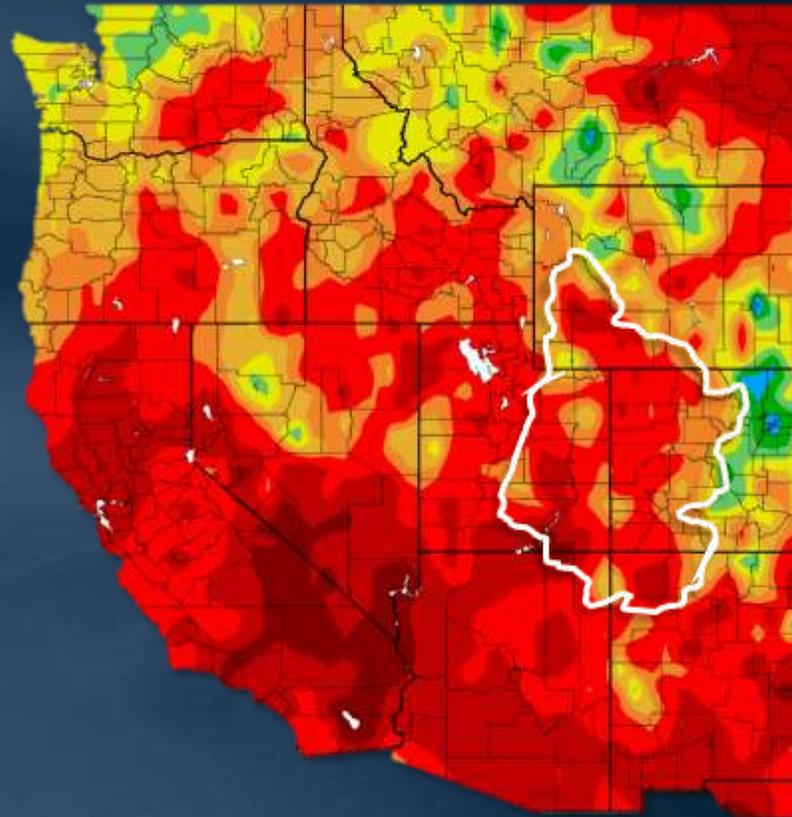
# Below Normal Runoff Projected for the Sacramento River



# How Dry is this Water Year?

## Percent of Normal Precipitation

10/1/2020 – 5/5/2021



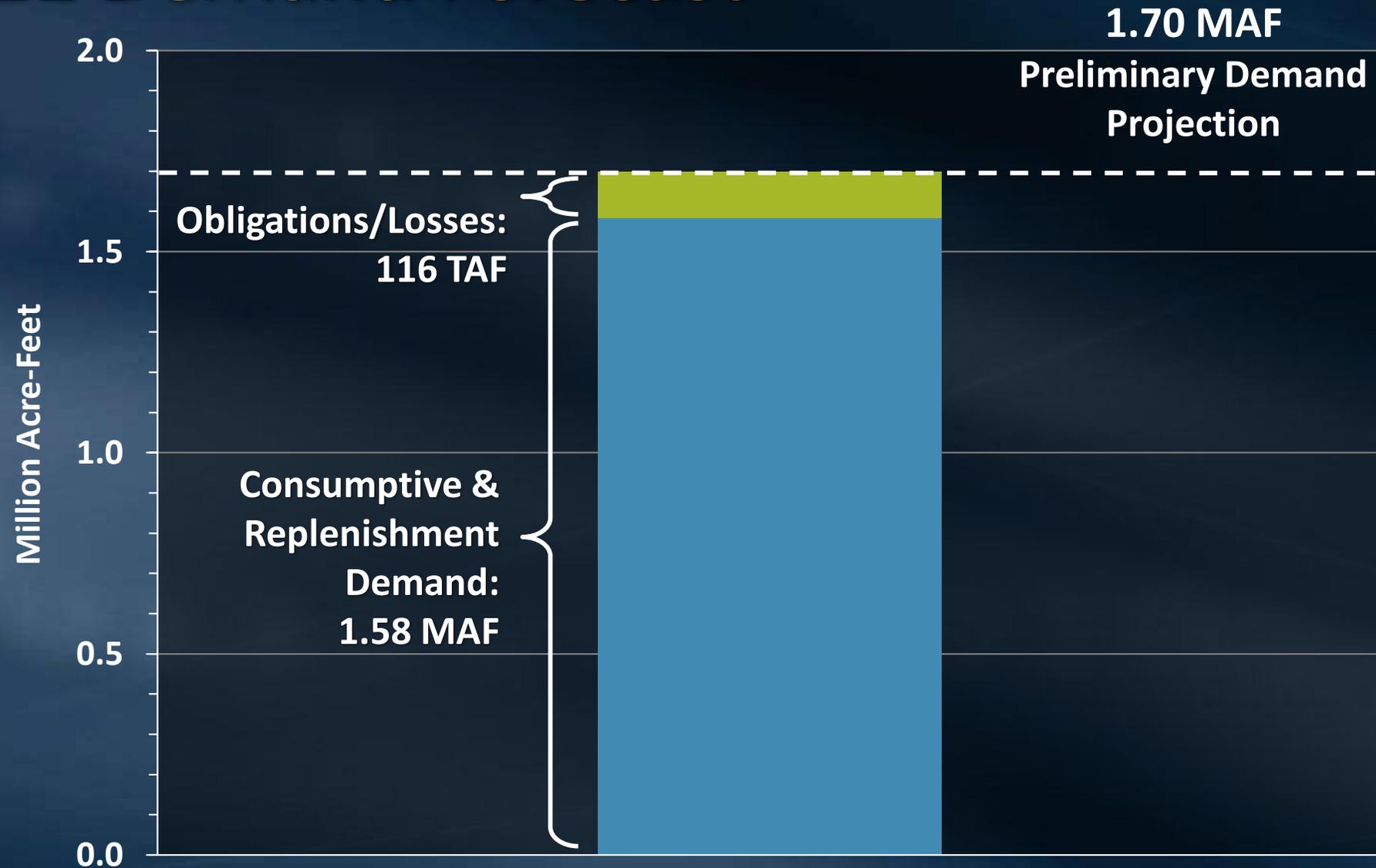
# Governor Newsom Takes Action to Respond to Drought Conditions

- Governor's drought proclamation on April 21, 2021
  - Limited drought emergency in two counties in Northern California
  - Directs state agencies to work with regional and local governments to direct drought actions as needed
  - Encourage submittal and posting of water management plans and water shortage contingency plans

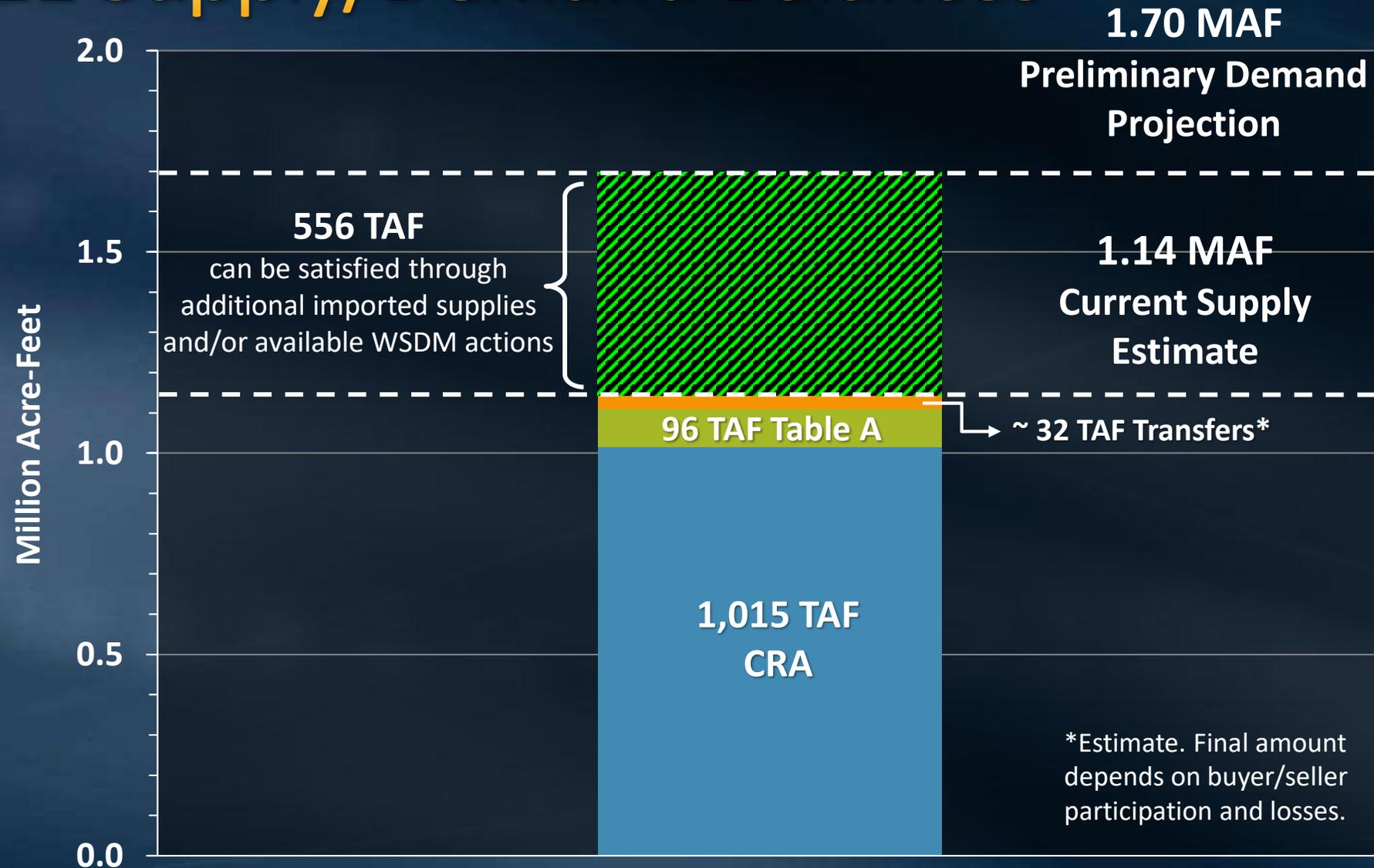


# 2021 Supply/Demand Balance

# 2021 Demand Forecast



# 2021 Supply/Demand Balances



# Dry-Year WSDM Actions

# Dry-Year WSDM Actions Underway



- Purchasing ~46 TAF of transfer supplies (~32 TAF after losses)
  - State Water Contractors Buyers Group
  - Yuba Accord supplies
- Withdrawing from dry-year storage
  - Flex Storage (Castaic and Lake Perris)
  - Conjunctive Use Programs
  - SWP Groundwater Banking Programs
  - ICS and DWCVC Advanced Delivery Account

# Ongoing Operational Actions and Member Agency Coordination to Preserve SWP Supplies

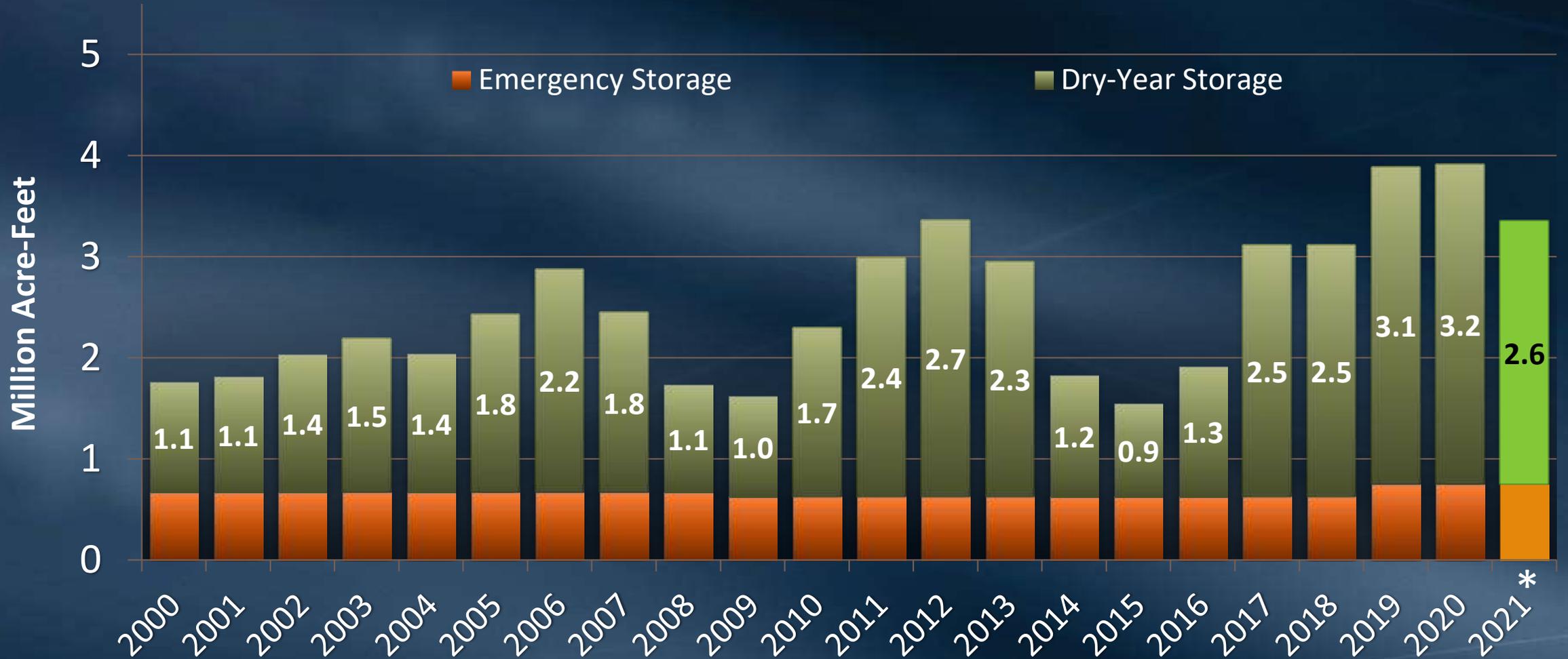


- DVL to Lakeview
- DVL to Mills
- Greg Ave Pumping
- Shifting agency demands

# Projected End-of-Year 2021 Storage Balance

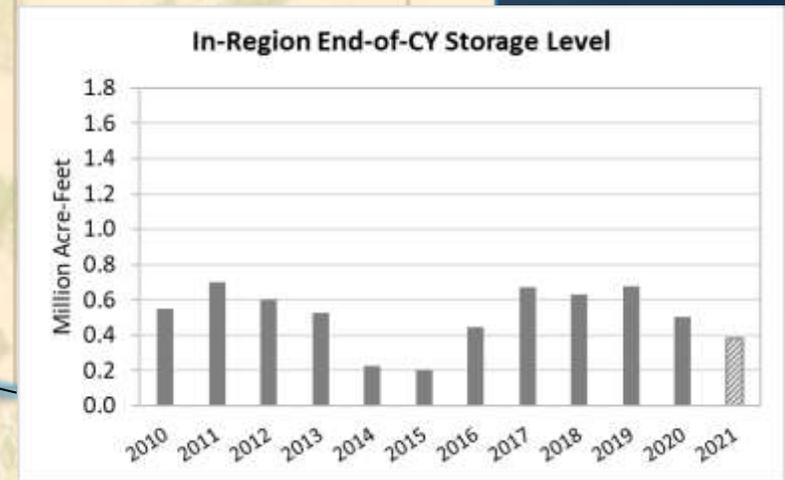
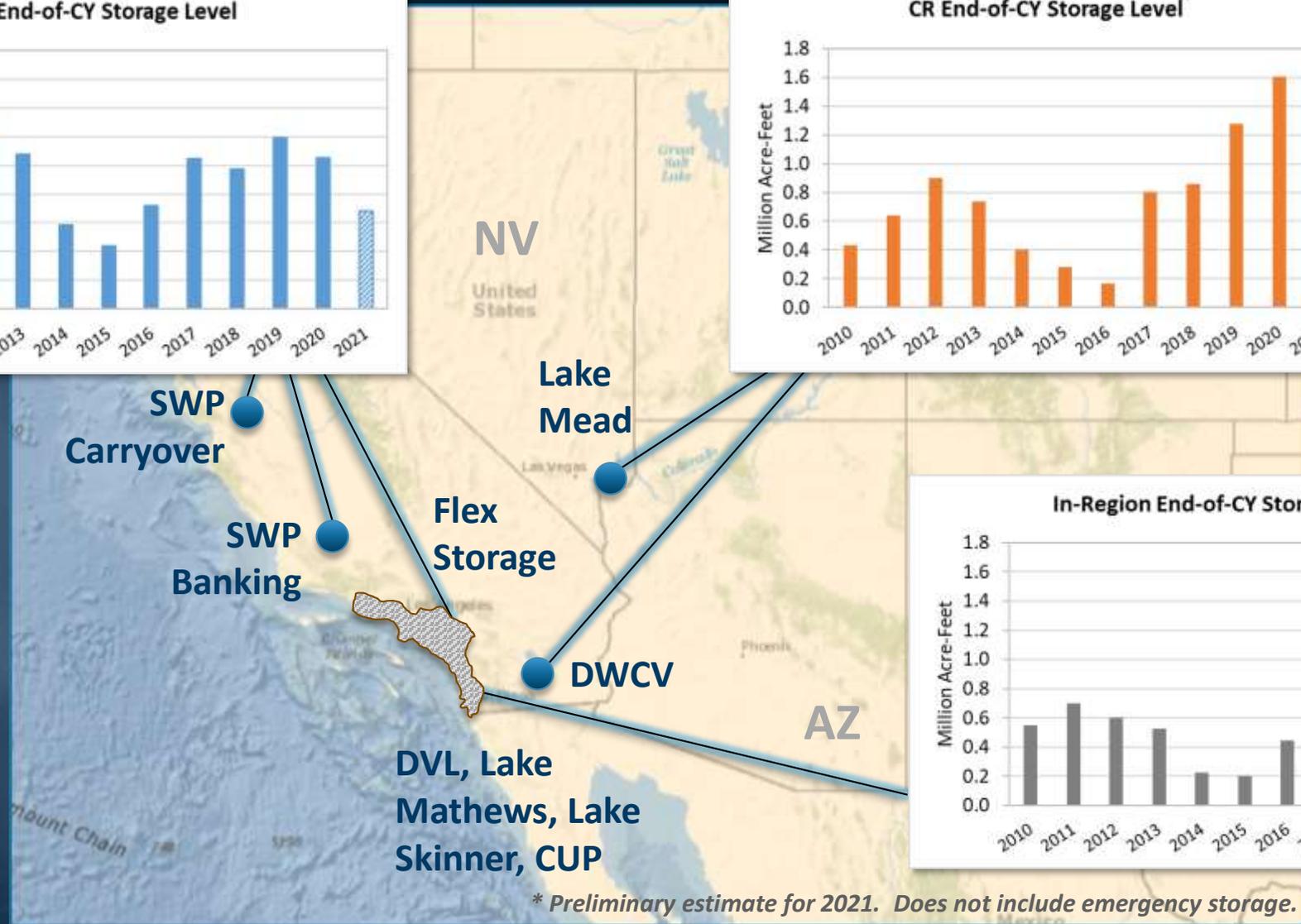
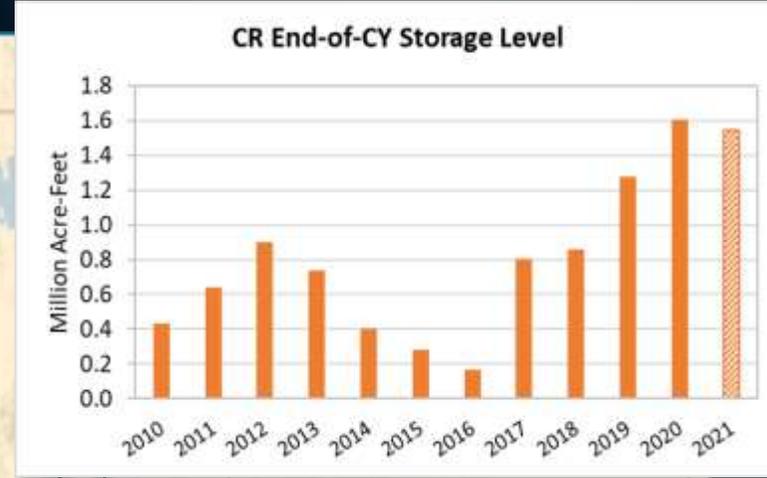
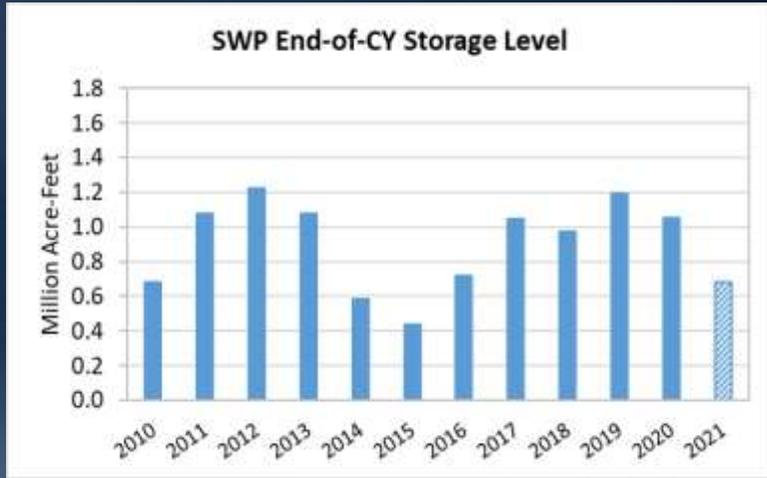
# Projected Metropolitan Storage Balances

## End of Year Balances



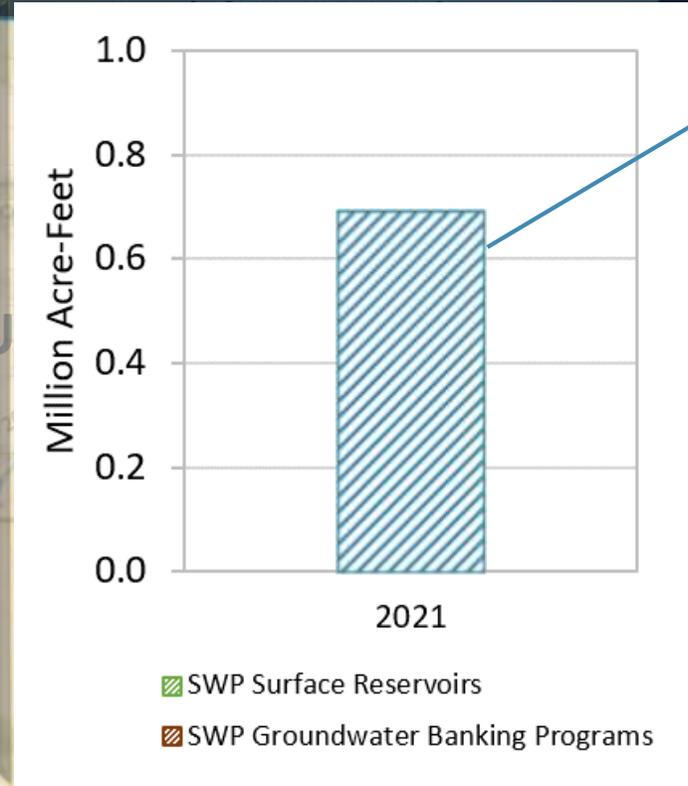
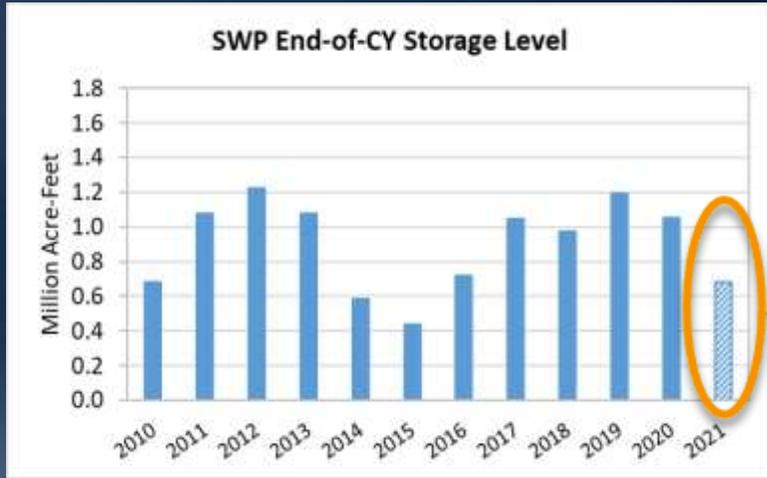
\* Preliminary estimate (if only storage withdrawal)

# End-of-Year Storage Balances\*

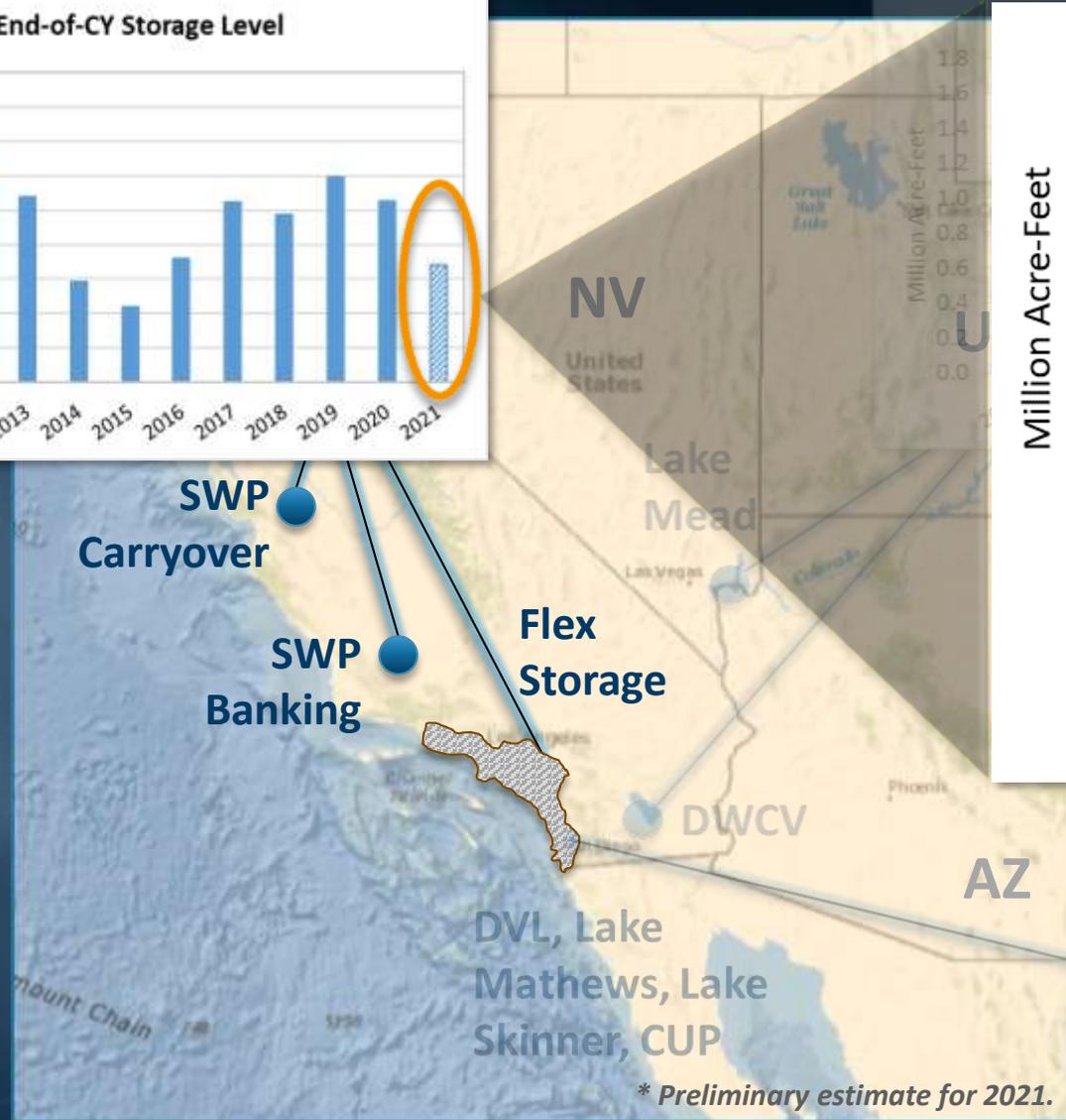


\* Preliminary estimate for 2021. Does not include emergency storage.

# End-of-Year Storage Balances\*



Actions to preserve SWP supplies in 2021 will increase SWP Carryover going into 2022



\* Preliminary estimate for 2021. Does not include emergency storage.

# Summary

- Below normal runoff projected for both imported supply watersheds
- SWP allocation remains at 5%
- Limited state of emergency declared
- USBR studies indicating possible first shortage declaration for 2022 for the Colorado River System
- Implementing WSDM actions to satisfy 2021 supply-demand gap and preserve SWP Carryover storage for 2022

