



Water Surplus and Drought Management Update

Water Planning and Stewardship Committee

Item 6a

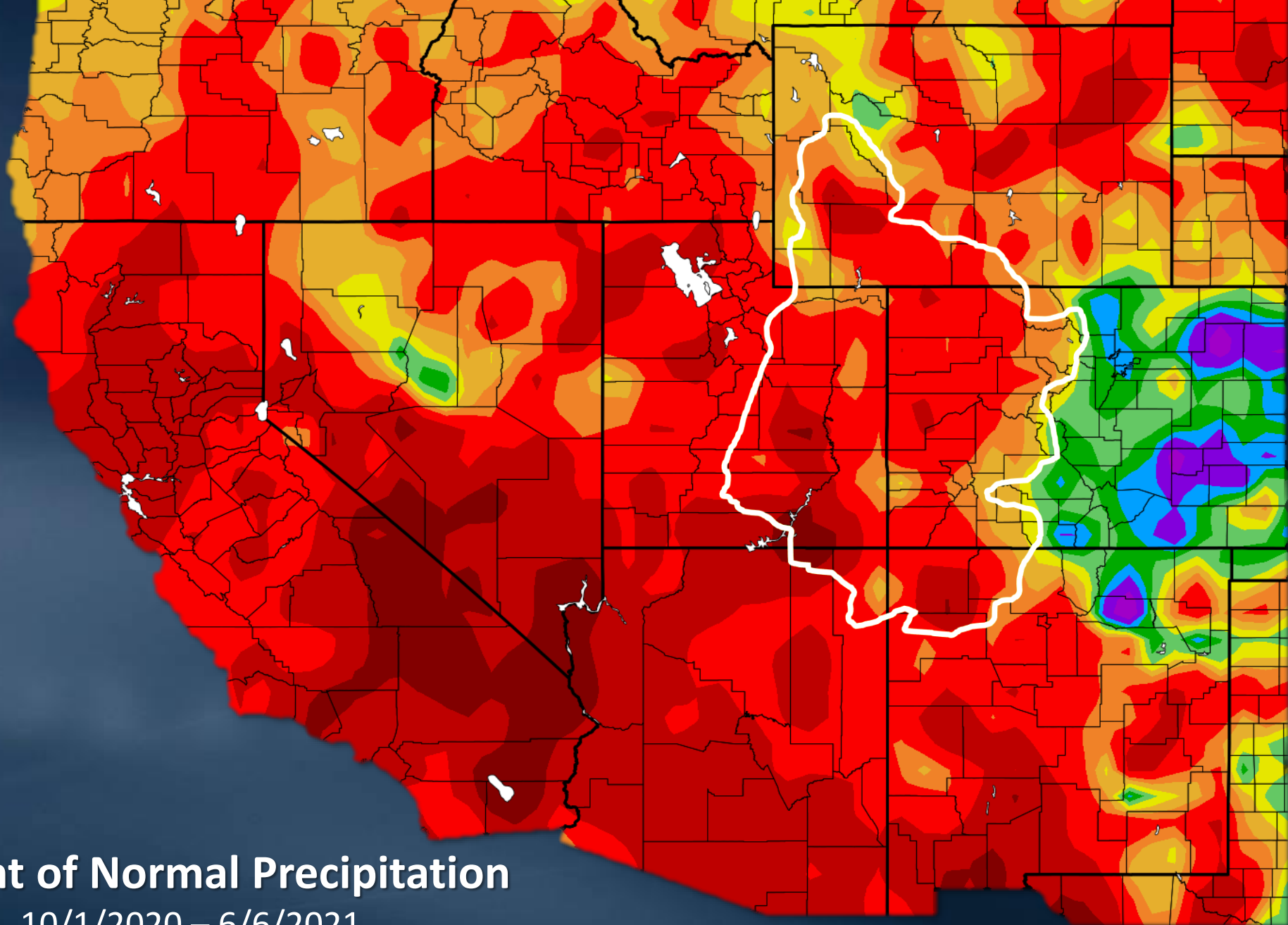
June 7, 2021

Outline

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

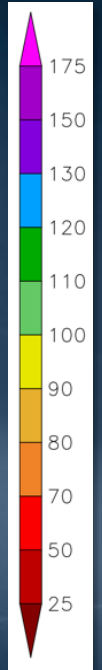
Hydrologic Conditions



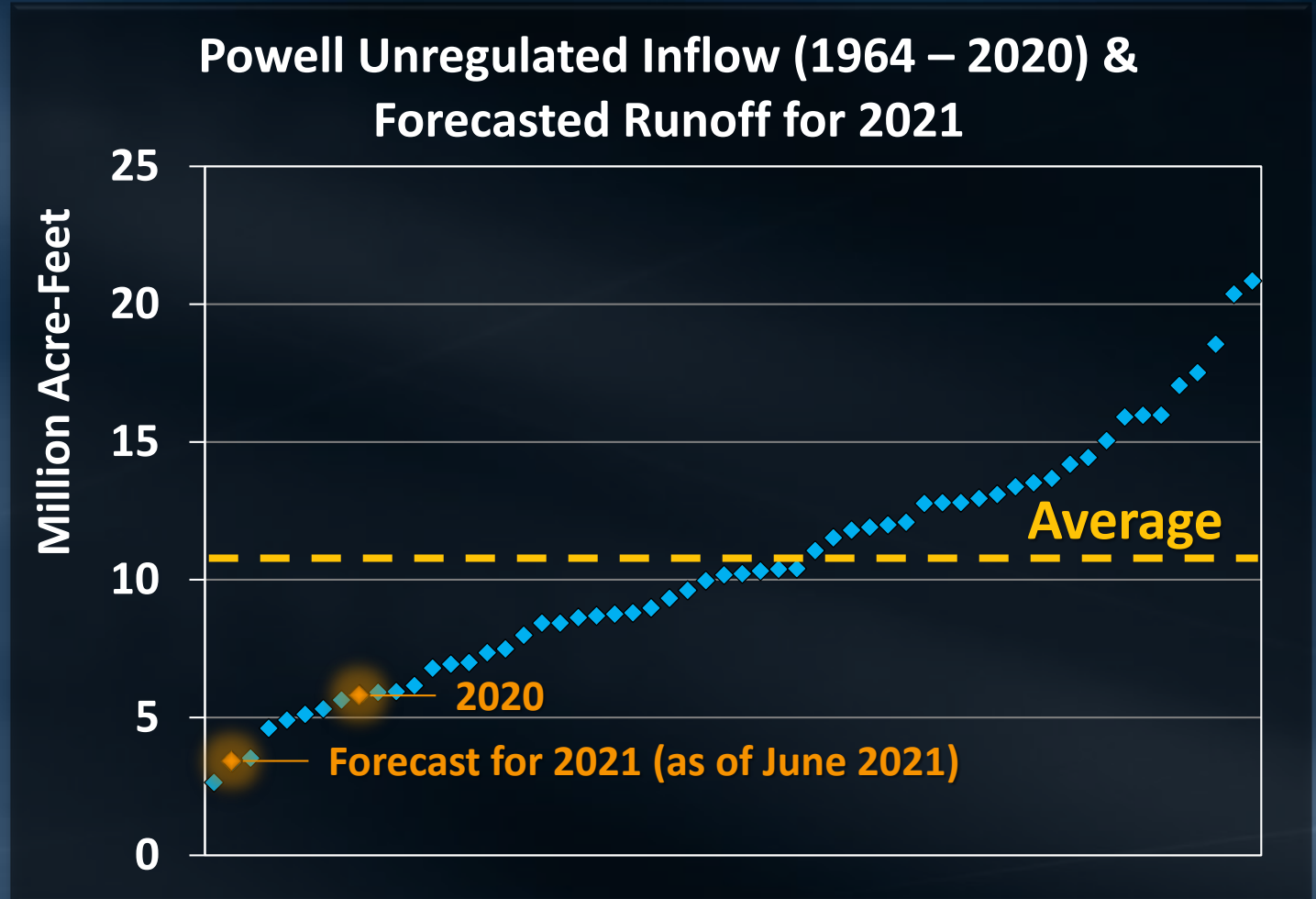
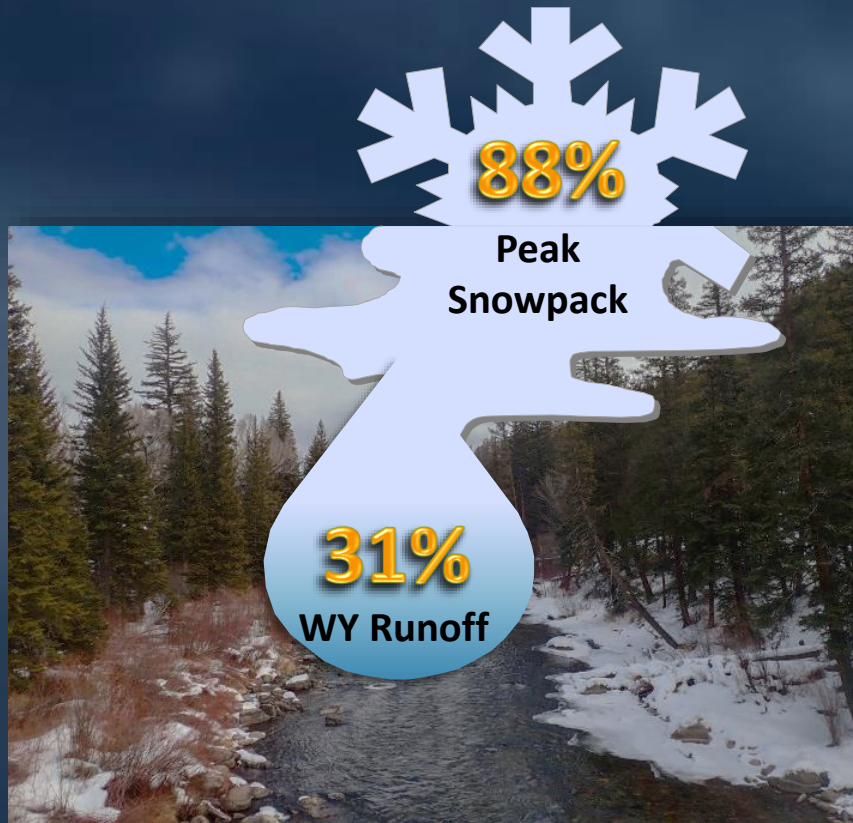


Percent of Normal Precipitation

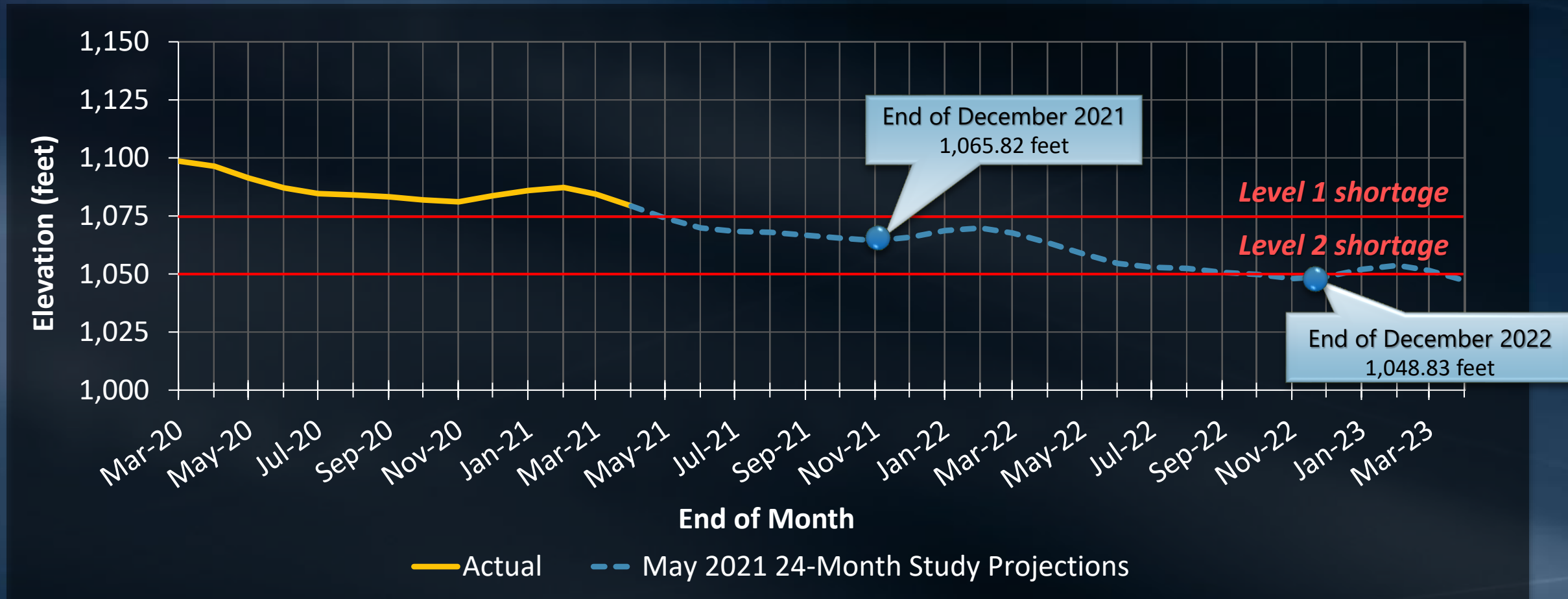
10/1/2020 – 6/6/2021



Below Normal Runoff Projected in the Upper Colorado River Basin



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

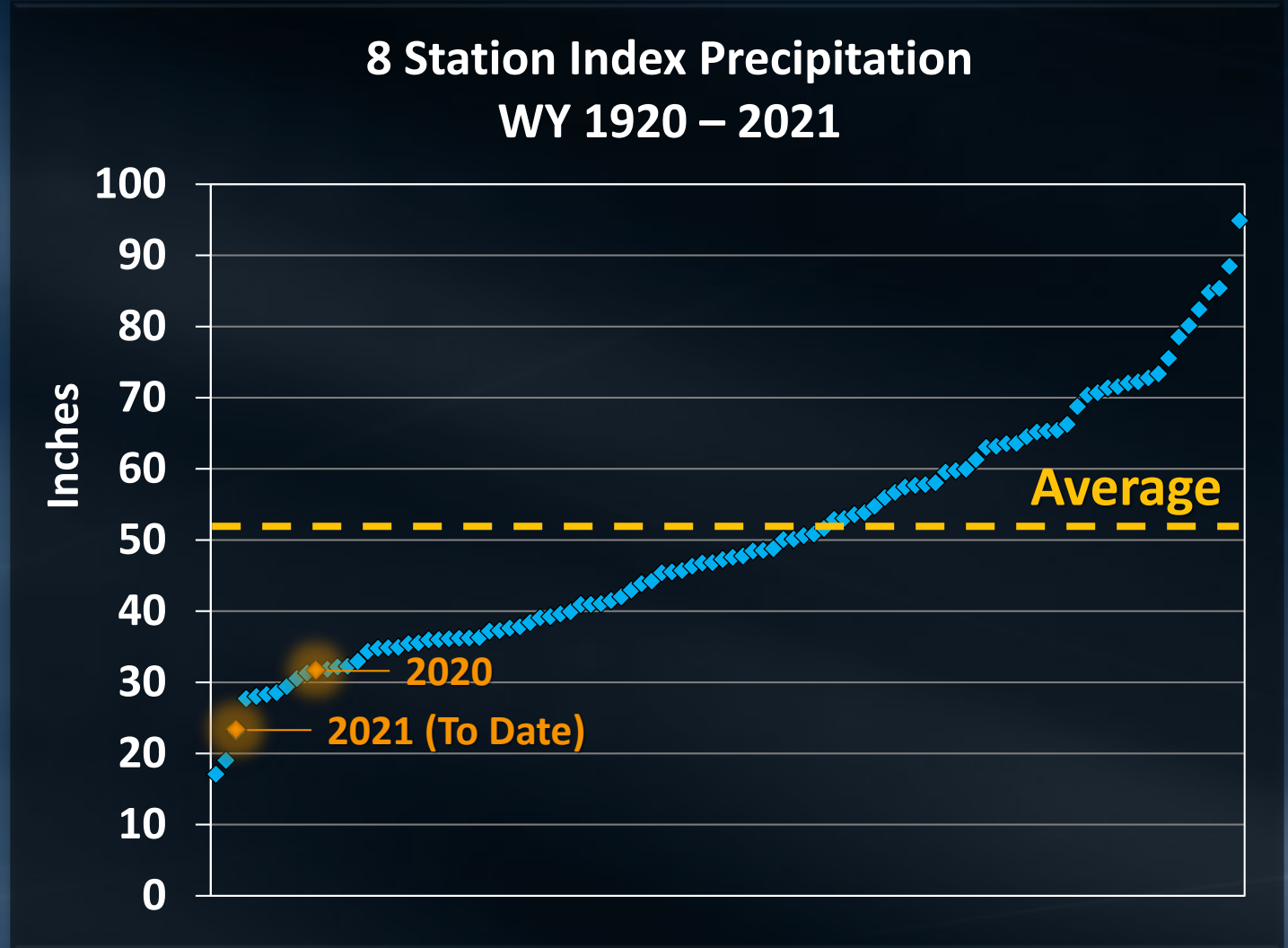
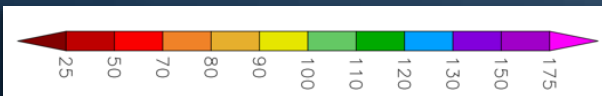
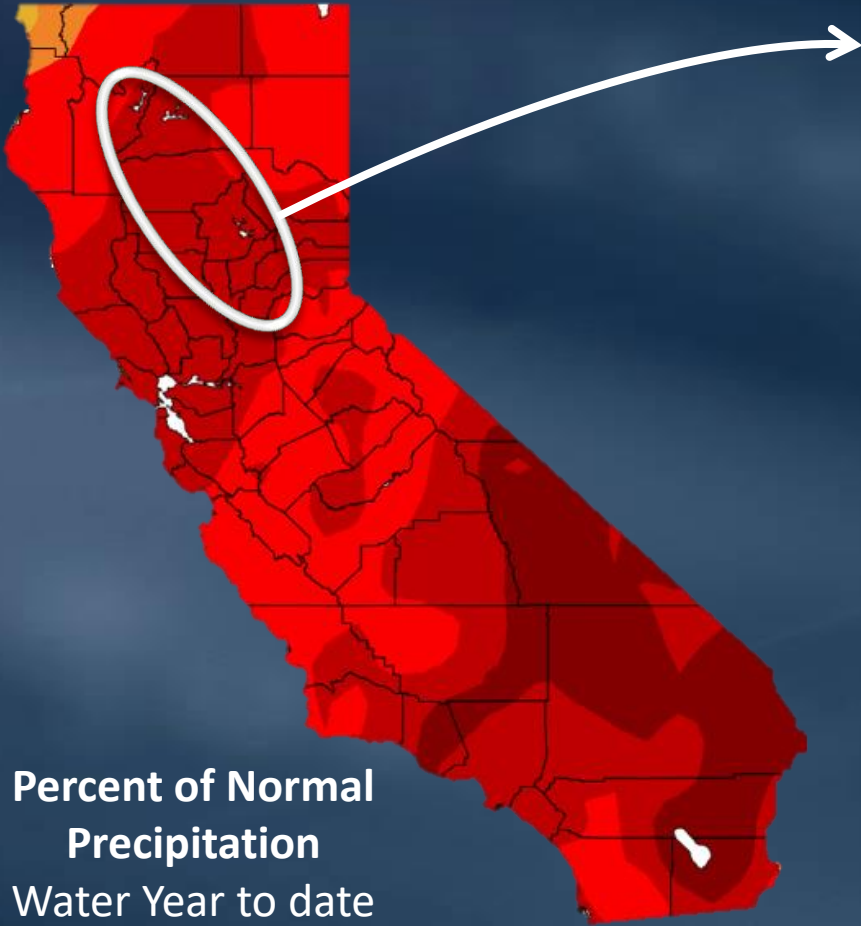


May 24-Month Study

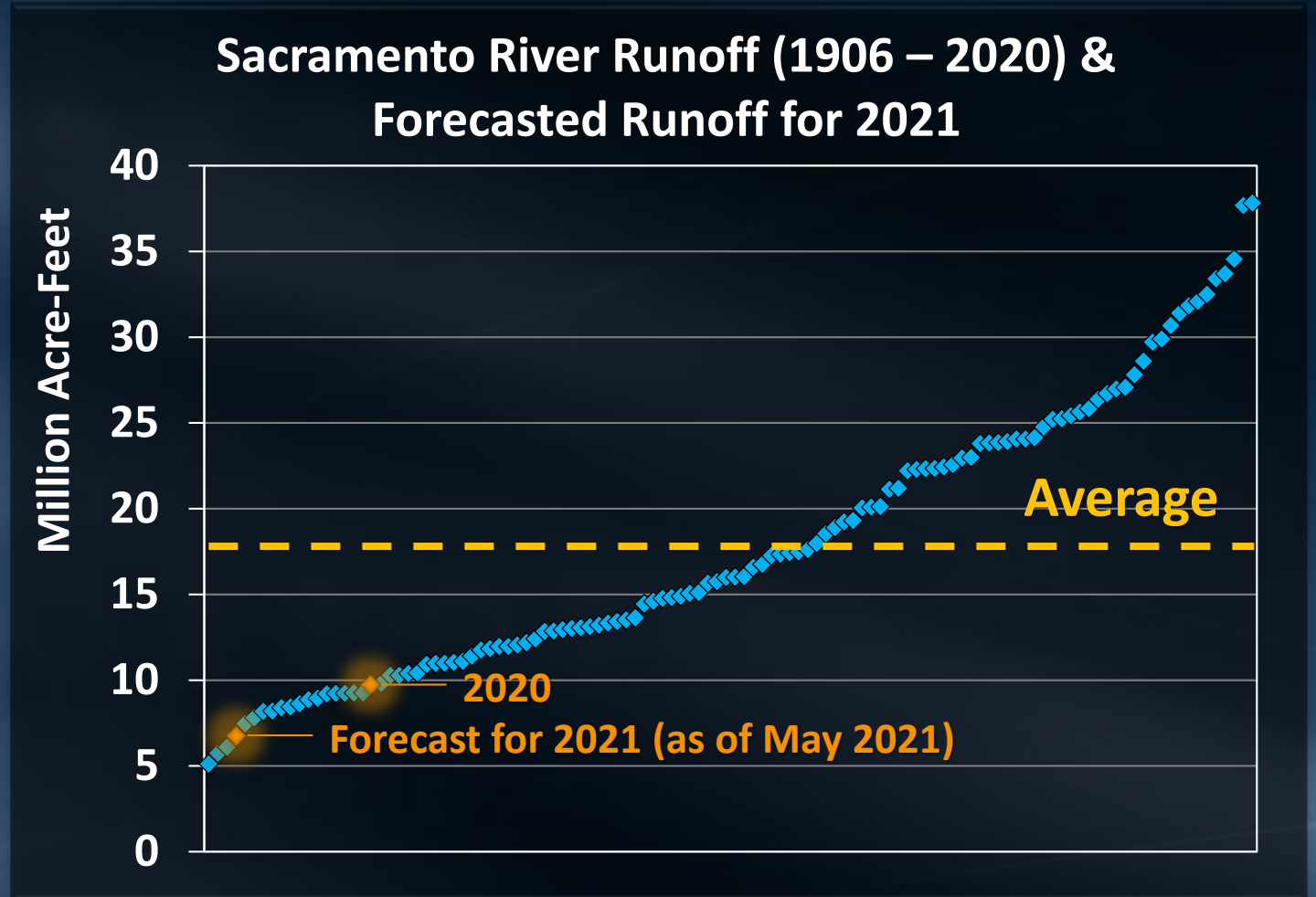
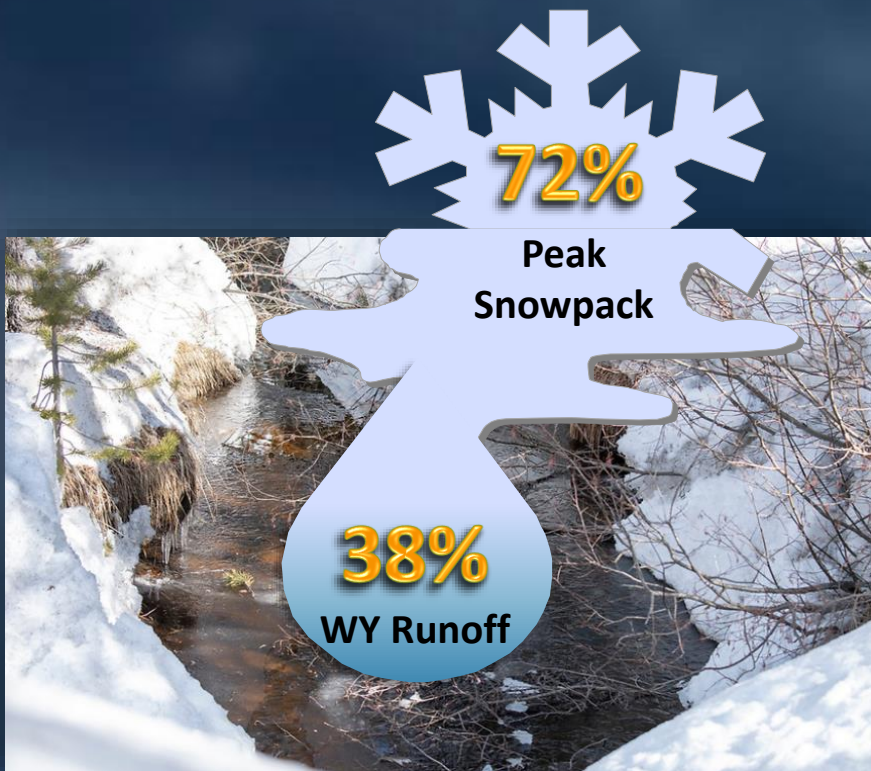


Below Normal Precipitation Statewide

As of 6/6/2021



Below Normal Runoff Projected for the Sacramento River



Drought Emergency Declaration Now Covering 41 Counties in California



Covers 30% of the State's Population

State and Federal Agencies Take Action to Respond to Drought Conditions

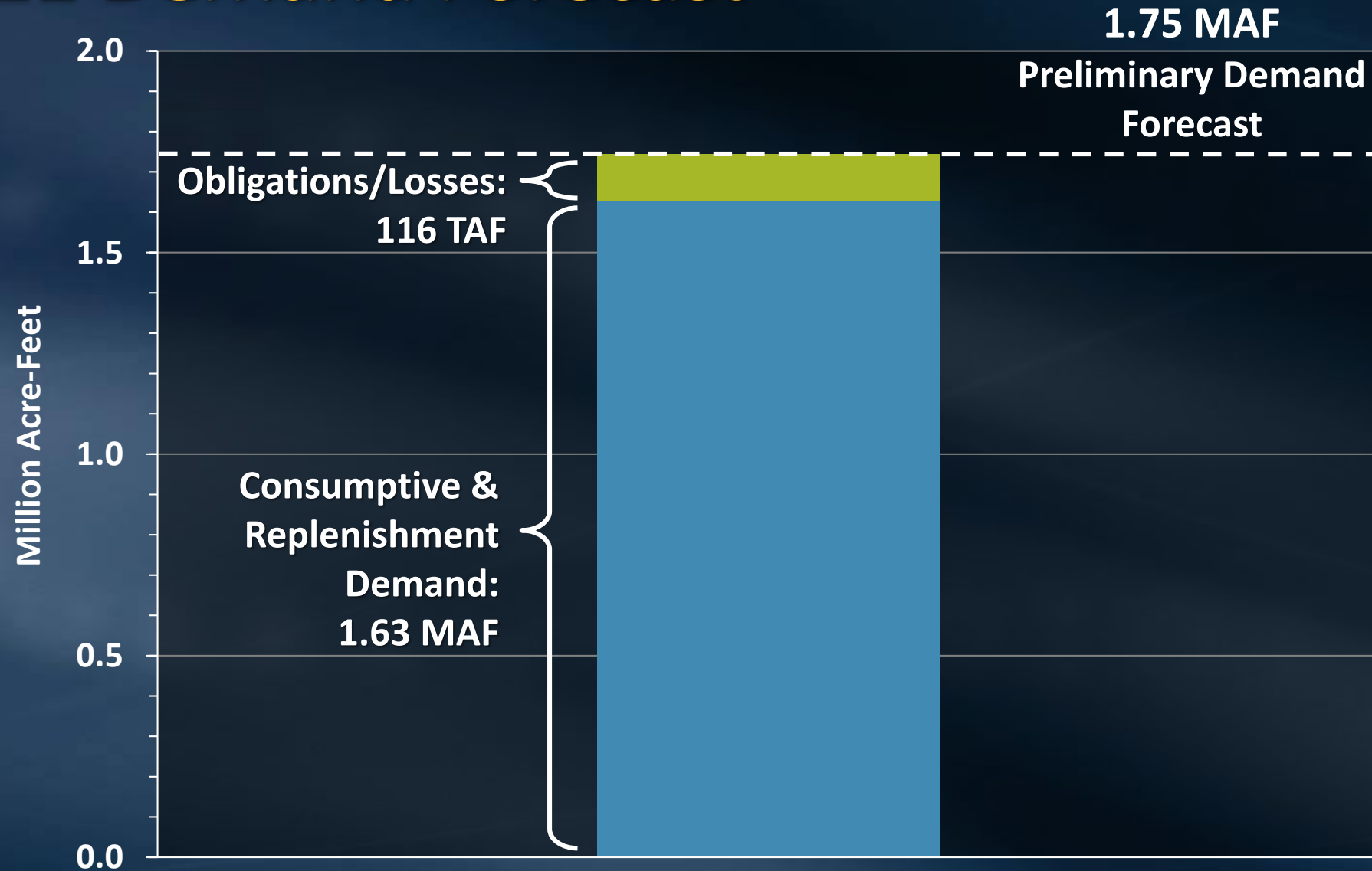
- DWR and USBR received conditional approval for the Temporary Urgency Change Petition
- DWR filed an application for water quality certification for the 2021 Emergency Drought Salinity Barrier Project



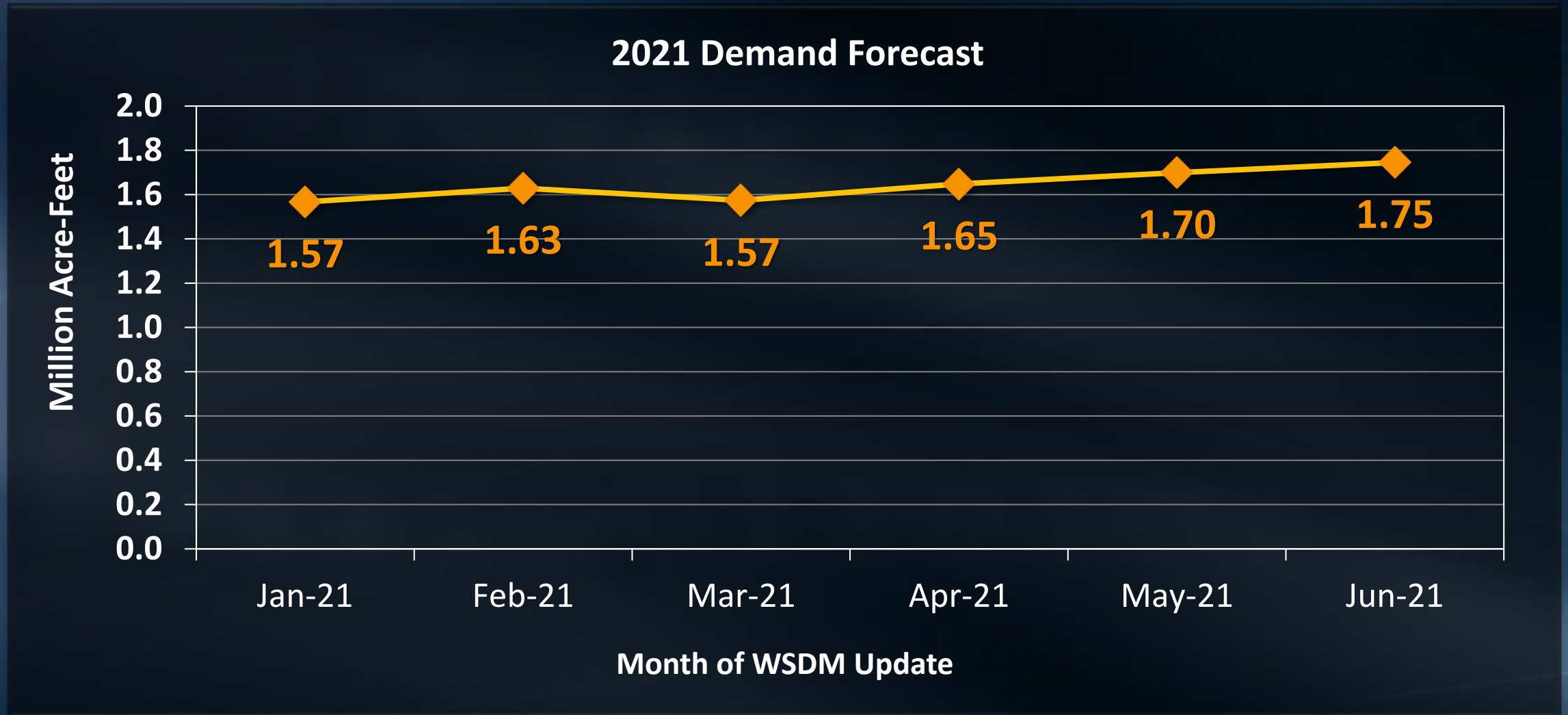
Emergency Drought Barrier Installation in 2015

2021 Supply/Demand Balance

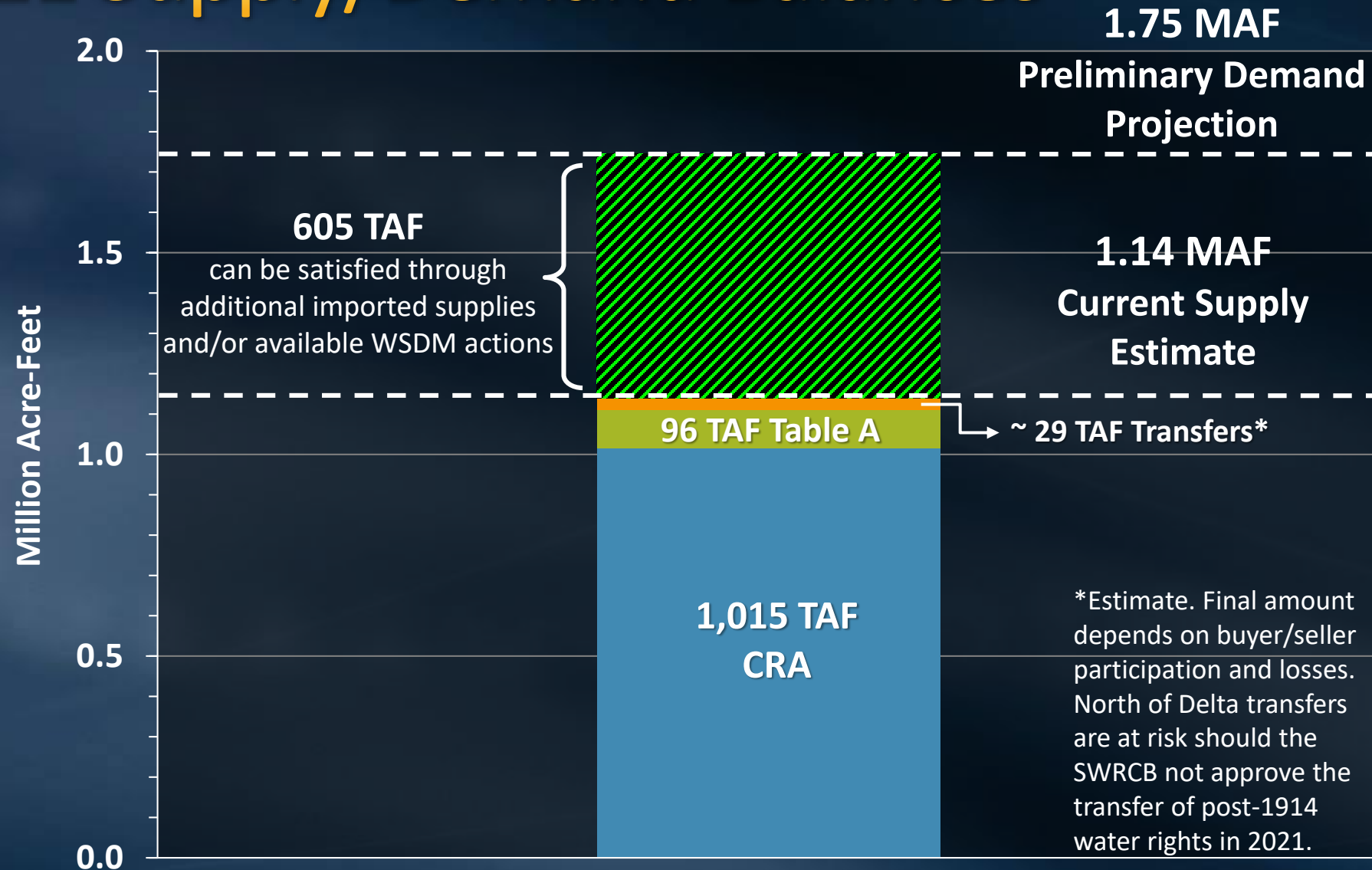
2021 Demand Forecast



Increasing Demand Forecast



2021 Supply/Demand Balances



Dry-Year WSDM Actions

Dry-Year WSDM Actions Underway



- Purchasing ~42 TAF of transfer supplies (~29 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

Summary

- Below normal runoff projected for both imported supply watersheds
- SWP allocation remains at 5%
- Drought emergency now covers 41 counties in California
- 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

