



# Update on Water Surplus and Drought Management

Water Planning and Stewardship Committee

Item 6a

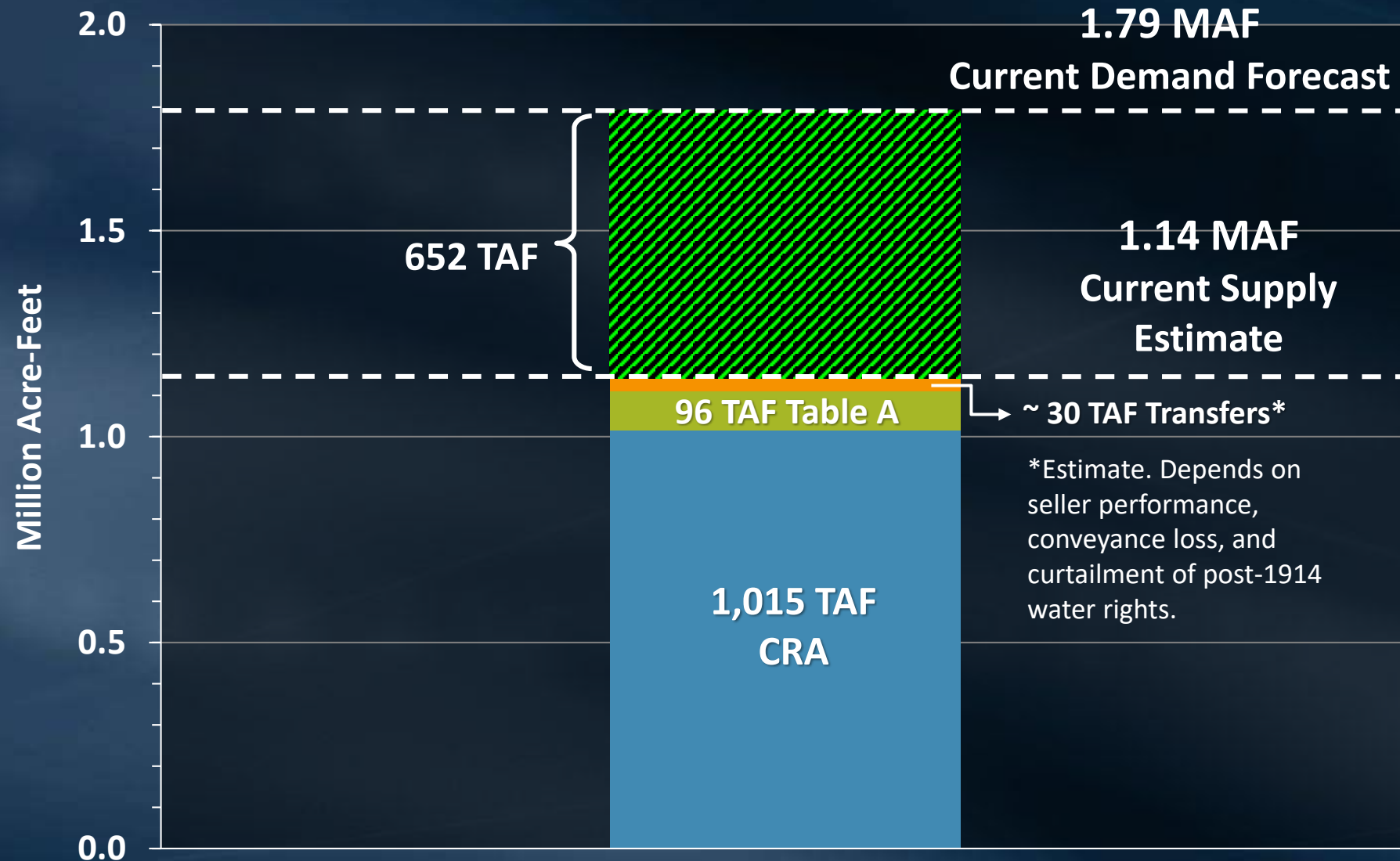
September 13, 2021

# Outline

- 2021 Supply/Demand Balance and Actions
- Updates on Department of Water Resources Actions

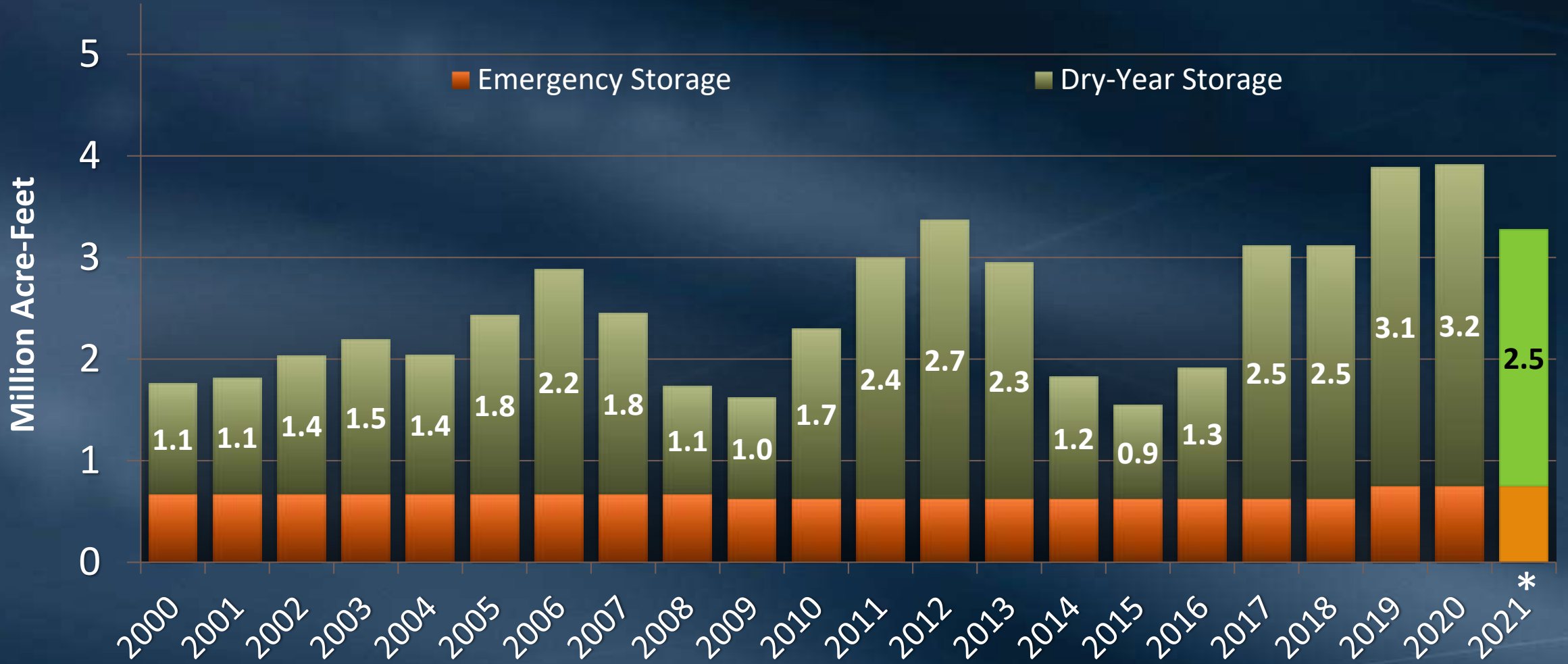
# 2021 Supply/Demand Balance and Actions

# Drafting Storage in 2021 for Supply/Demand Balance



# Projected Metropolitan Storage Balances

## End of Year Balances



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

# Many Targeted Actions to Respond to Potential Historic Dry Conditions Began in January

## Jan 2021

Began releases from DVL to serve connections on the Lakeview Pipeline



Minimize operational flow of SWP to areas that can receive both SWP and CRW

## Feb 2021

Metropolitan began pump-back operations at Lake Perris to withdraw flexible storage to meet Mills demands



## Mar 2021

Returns from Semitropic Storage Program and Kern Delta Storage Program began

## Apr 2021

Began operating CRA at full capacity for the first time since 2015





Board voted to explore purchasing transfers north of the Delta

Bulkheads installed to allow deliveries from DVL to Mills Plant

Eastern MWD began shifting deliveries, when possible



# Many Targeted Actions to Respond to Potential Historic Dry Conditions Began in January

May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021
Board approved new Operational Shift Cost Offset Program (OSCOP)	Greg Avenue pumping station tests completed and began operation	West Basin MWD began shifting demands	Began receiving exchange of surface water supplies from the storage	TVMWD began shift through OSCOP
Lakeview Pipeline improvements completed				
	Amended with DWR to increase stated max flow rate for DVL to Mills Plant operation		discuss with agencies	
DVL to Mills Plant in operation for the first time in Metropolitan's history			a Water Billing for consumers and businesses to voluntarily reduce their water use	

*Conserving roughly 140 - 180 TAF of SWP supplies*

# Metropolitan Evaluates New Drought Actions for the Near and Long Term

- Generated 132 creative ideas
  - ~50 selected for further development

## Project Categories



*System and Operations*



*Shift Timing of Deliveries*



*Increase Local Supplies*



*Increase Conservation*



*Expand WSDM Programs*



# Updates on Department of Water Resources Actions

# Bleak Outlook for State Water Project



*April 2021*

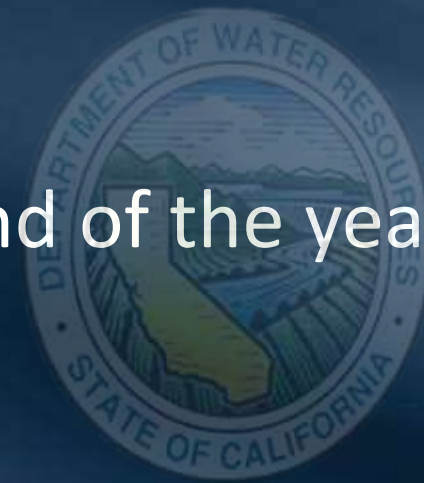


*July 2021*

- Anticipating a zero percent initial 2022 SWP Allocation
  - Oroville storage may end the year at record low levels
  - Competition for storage in San Luis Reservoir
  - Roughly even chance of 20 percent SWP allocation in 2022

# Reclamation Borrows from DWR Supplies in San Luis Reservoir

- Reclamation and DWR may exchange water per written agreement and a Consolidated Place of Use (CPOU) Order from the State Water Resources Control Board (SWRCB)
- Reclamation borrowed 100 TAF so far:
  - 50 TAF on July 15
  - 25 TAF on August 26
  - 25 TAF on August 27
- Reclamation to pay back DWR by the end of the year



# DWR is Requesting an Assessment of SWP Contractor 2022 Health and Safety Needs

- Article 18 (a) stipulates that if required, DWR may allocate SWP supplies on the basis of meeting minimum demands of contractors domestic, fire protection, or sanitation water needs during the year.
- Metropolitan's interpretation of this minimum demand includes the following components:

## Health & Safety Needs



*Drinking Water*



*Sanitation*

## Critical Needs



*Fire Suppression*



*Commercial  
Industrial  
Institutional*



# Access Storage from Southern SWP Reservoirs

- Exploring opportunities to utilize DWR southern reservoir storage (primarily “emergency storage”) in anticipation of a low allocation as we start CY 2022
  - Need is at West Branch and Rialto Pipeline
- Metropolitan intends to return this water by the end of next year





# Temporarily Modify SWP Pump-In Policy

- Some pump-in programs limited by water quality
- Consider impact & offsetting benefits on downstream stakeholders if modifying pump-ins
- Initiate discussions with DWR and the facilitation group



# Summary

- Implementing WSDM and extraordinary drought actions to satisfy 2021 supply-demand gap and preserve SWP Carryover storage for 2022
- Ongoing coordination with DWR
  - Metropolitan has interest in the return of all water borrowed by Reclamation by the end of the calendar year
  - Metropolitan is preparing Health and Safety needs assessment for Metropolitan's SWP constrained areas for 2022
  - DWR is indicating actions may require a drought emergency declaration within Metropolitan's service area

