



# Valley Water

Clean Water • Healthy Environment • Flood Protection



# Update on 2020 Water Supply Conditions and Initial 2021 Outlook Scenarios

Presented by: Raw Water Division

# 2020 Water Supply Conditions

- Dry 2020: San Jose rainfall 62% of average
- Local reservoirs: 63% of 20-year average to date
- Very healthy local groundwater basins
- Semitropic groundwater storage bank: 99% full
- Semitropic withdrawal: 15,000 acre-feet (AF)
- Water use reduction (Jan. to May 2020):  
17% compared to 2013

## Water Shortage Contingency Plan Stage

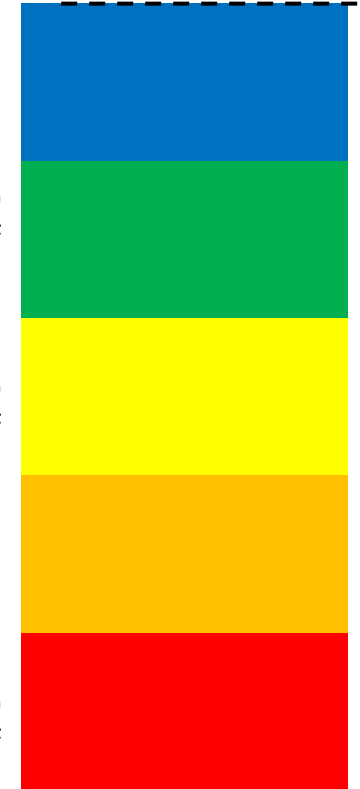
Normal (Stage 1)  
Above 300,000 AF

Alert (Stage 2)  
250,000 – 300,000 AF

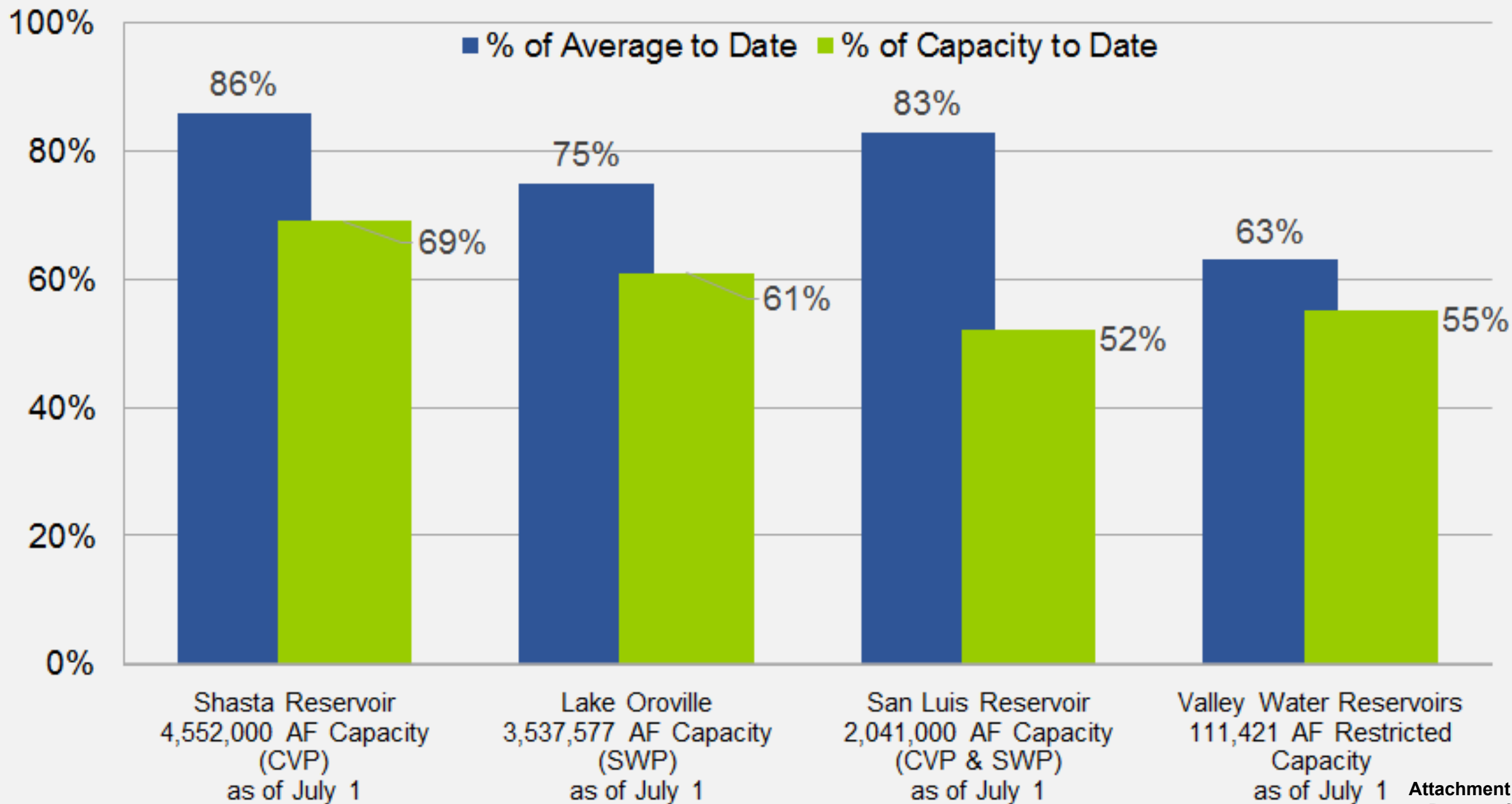
Severe (Stage 3)  
200,000 – 250,000 AF

Critical (Stage 4)  
150,000 – 200,000 AF

Emergency (Stage 5)  
Below 150,000 AF



EOY 2020:  
350,000 AF



# 2020 Water Supply Conditions (Cont'd)

- FERC Order dated Feb. 20, 2020: Start drawdown of Anderson Reservoir no later than Oct. 1
- Valley Water will maximize the beneficial use of Anderson water through:
  - Deliveries to water treatment plants
  - Recharge in Coyote Creek
- Water supply remains in good shape



# 2021 Outlook and Carryover Supply

- Too early to predict winter 2020-21 hydrology
- Even if 2021 is dry, groundwater storage at end of 2021 is likely to remain in Stage 1 (Normal)
- Carryover amount from 2020 to 2021: 40,000 to 60,000 AF
  - Carryover storage benefits vs. risk of San Luis Reservoir spill
  - Provides substantial cushion after Anderson drawdown



# Water Supply Master Planning

- Water Supply Master Plan adopted November 2019
- Annual Monitoring and Assessment Plan (MAP) report and board update, fall 2020
  - Updated project information
  - Updated demand forecasts
- New demand model
  - Continued post-drought water conservation savings
  - Expect forecasts through 2040 to be lower than the Water Supply Master Plan 2040 projections

Calendar Year	2014 <sup>1</sup>	2015	2016	2017	2018	2019
Annual Retailer Water Savings	13%	27%	28%	21%	20%	21%

<sup>1</sup>Retailer reporting to Valley Water began February 2014.

## Near-term Timeline

Demand model  
and forecasting  
completed

Board Meeting:  
MAP Report  
and Demand  
Forecast Update

Continued  
demand and  
project analysis  
(continues)



# Board Update Schedule

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- *Fall 2020:* Water Supply Master Plan 2040 MAP and demand forecasts
- *Spring 2021:* Updated assessment of water supply conditions





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