



Water Supply Update

Board of Directors

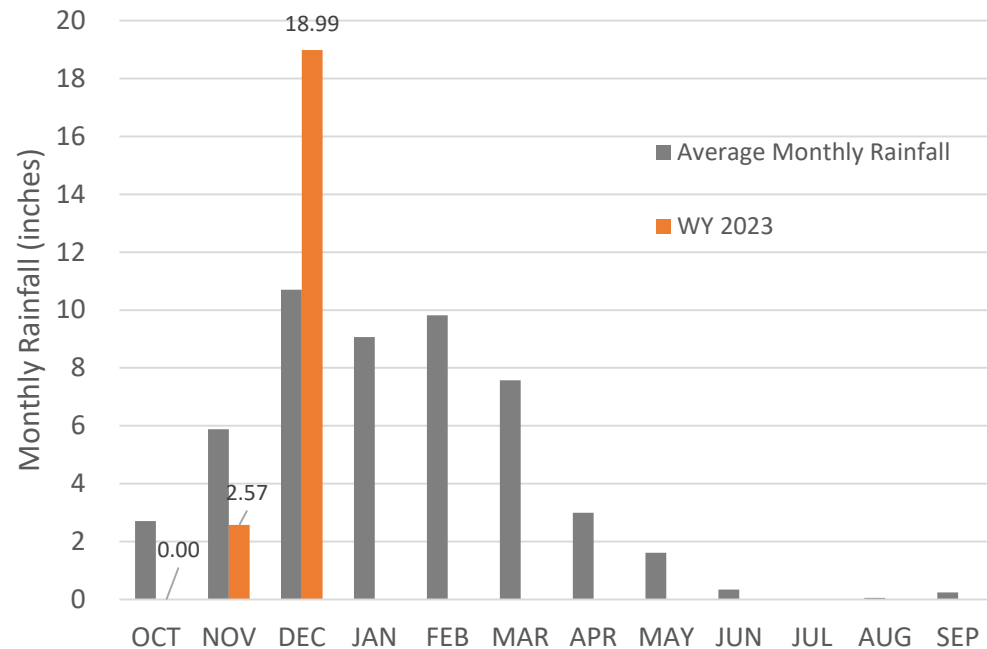
January 3, 2023



Water Supply Update: Overview

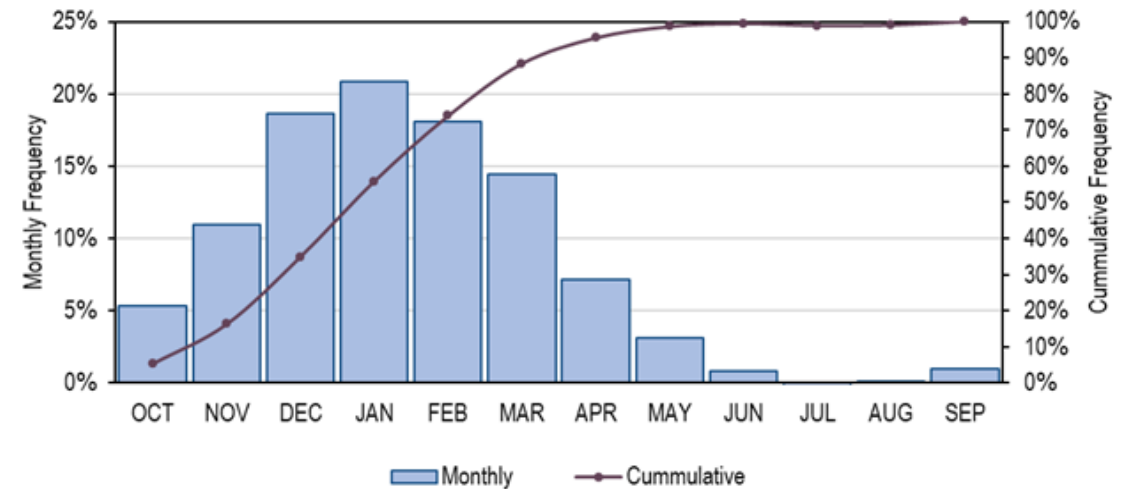
- Current Water Supply
- Water Supply Projection
- NOAA Forecast
- Strategic Water Supply Update
- Summary

Water Supply Update: Monthly Rainfall Totals



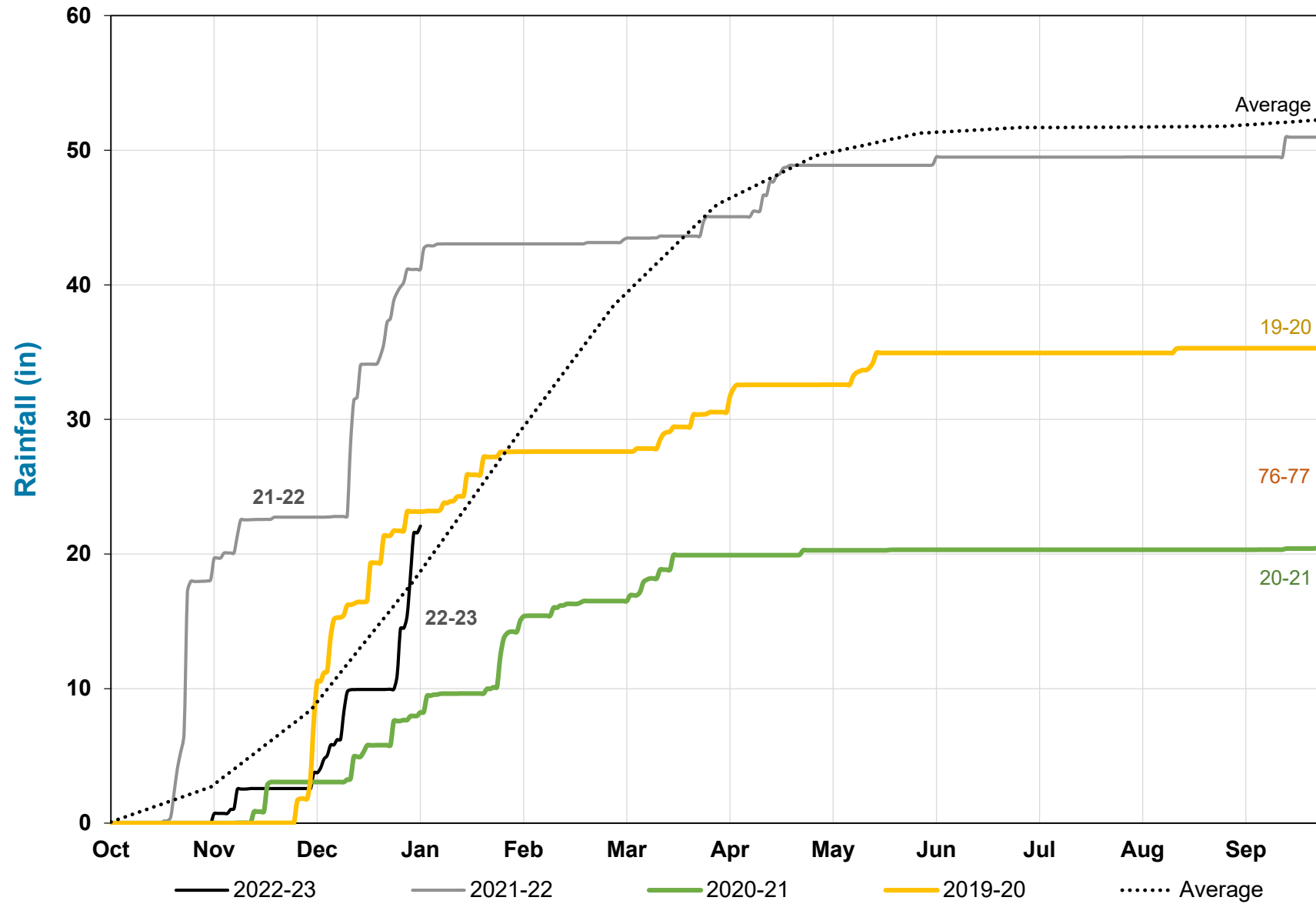
Rainfall Stats:

- Most recent storm rainfall ~ 11.6-inches
- Since Oct 1, 2022 – 22.07 inches
- Average since Oct 1 – 17.4 inches

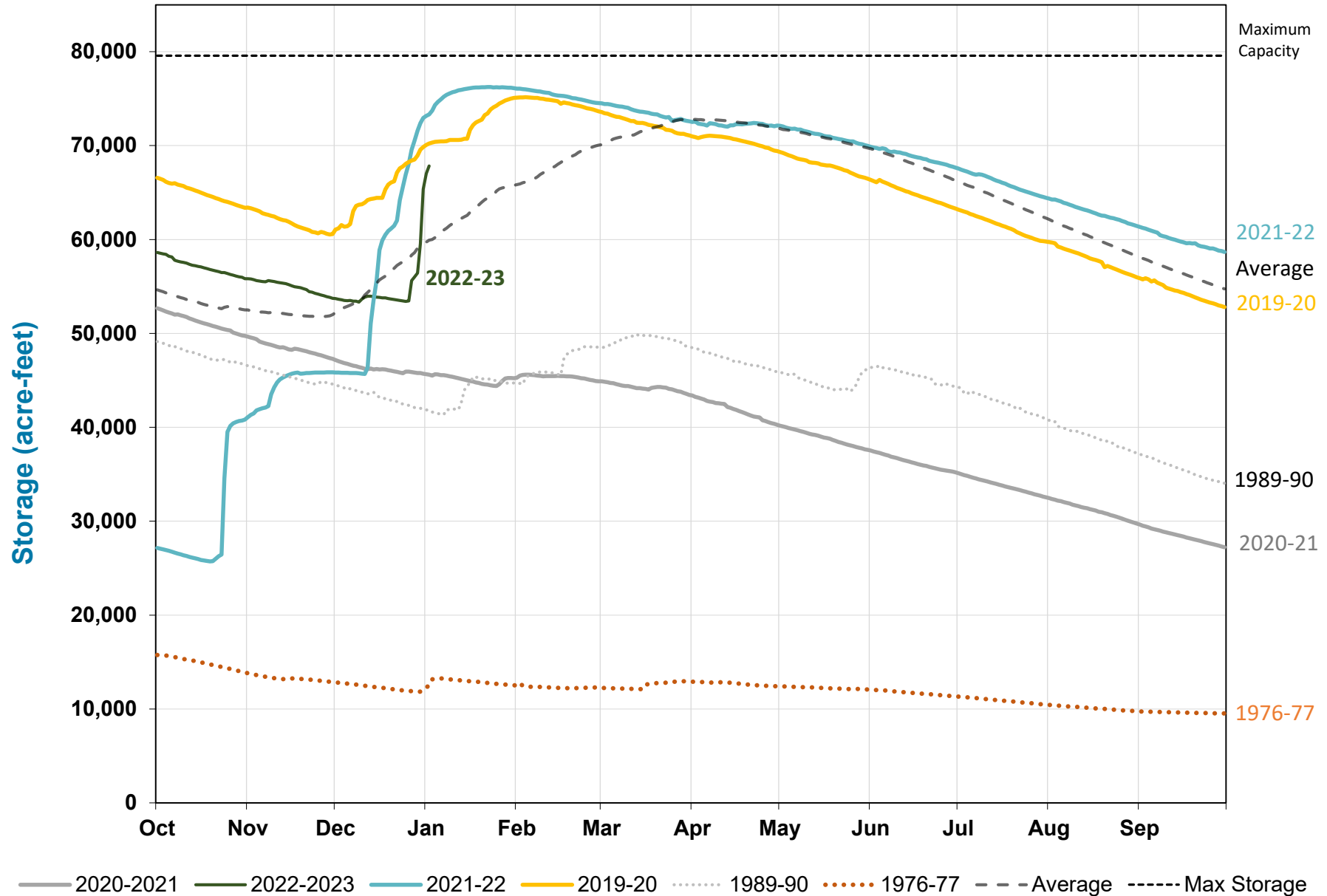


Cumulative Precipitation

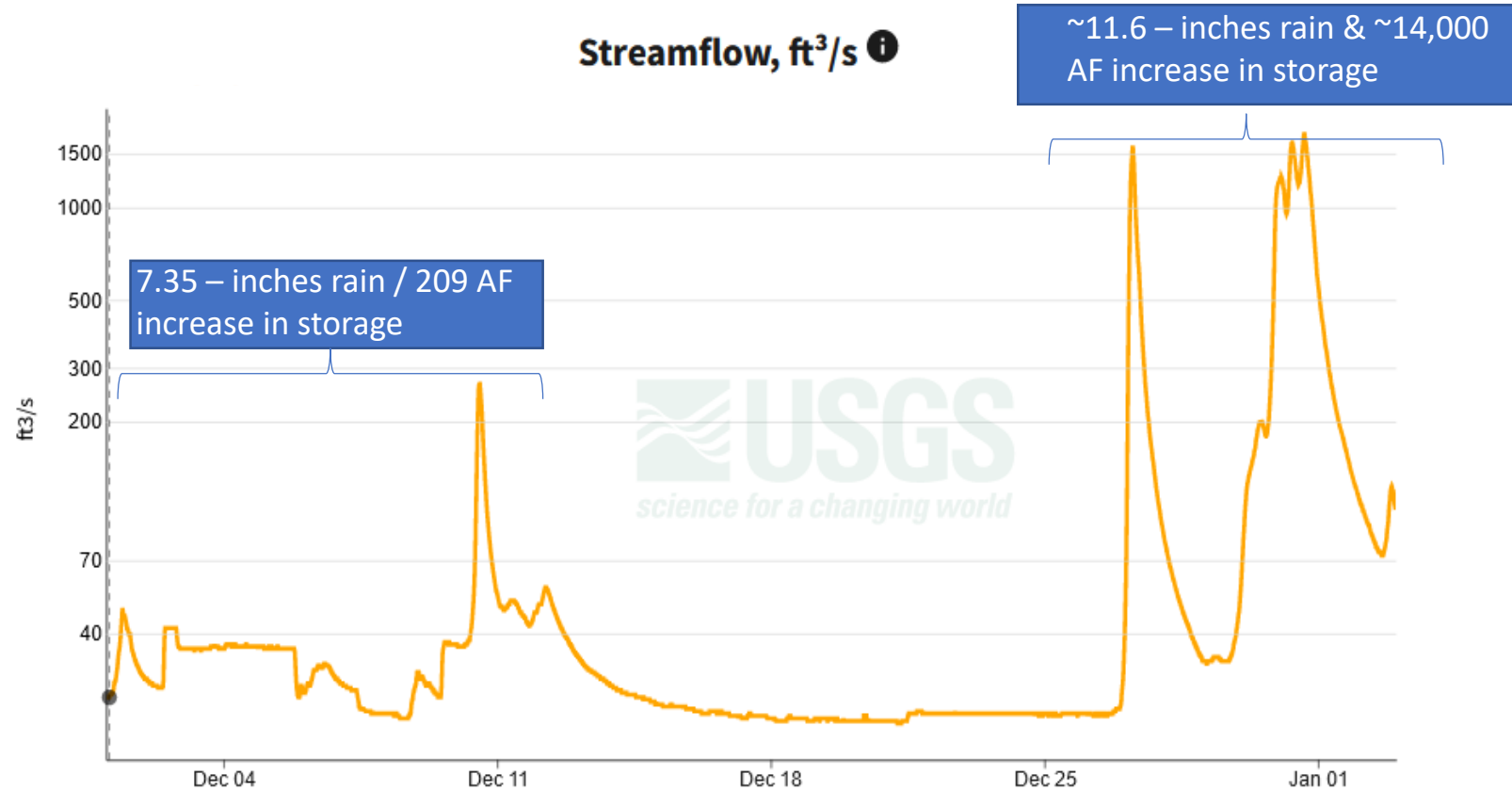
Lake Lagunitas Rain Gauge



Current Water Year Total Reservoir Storage



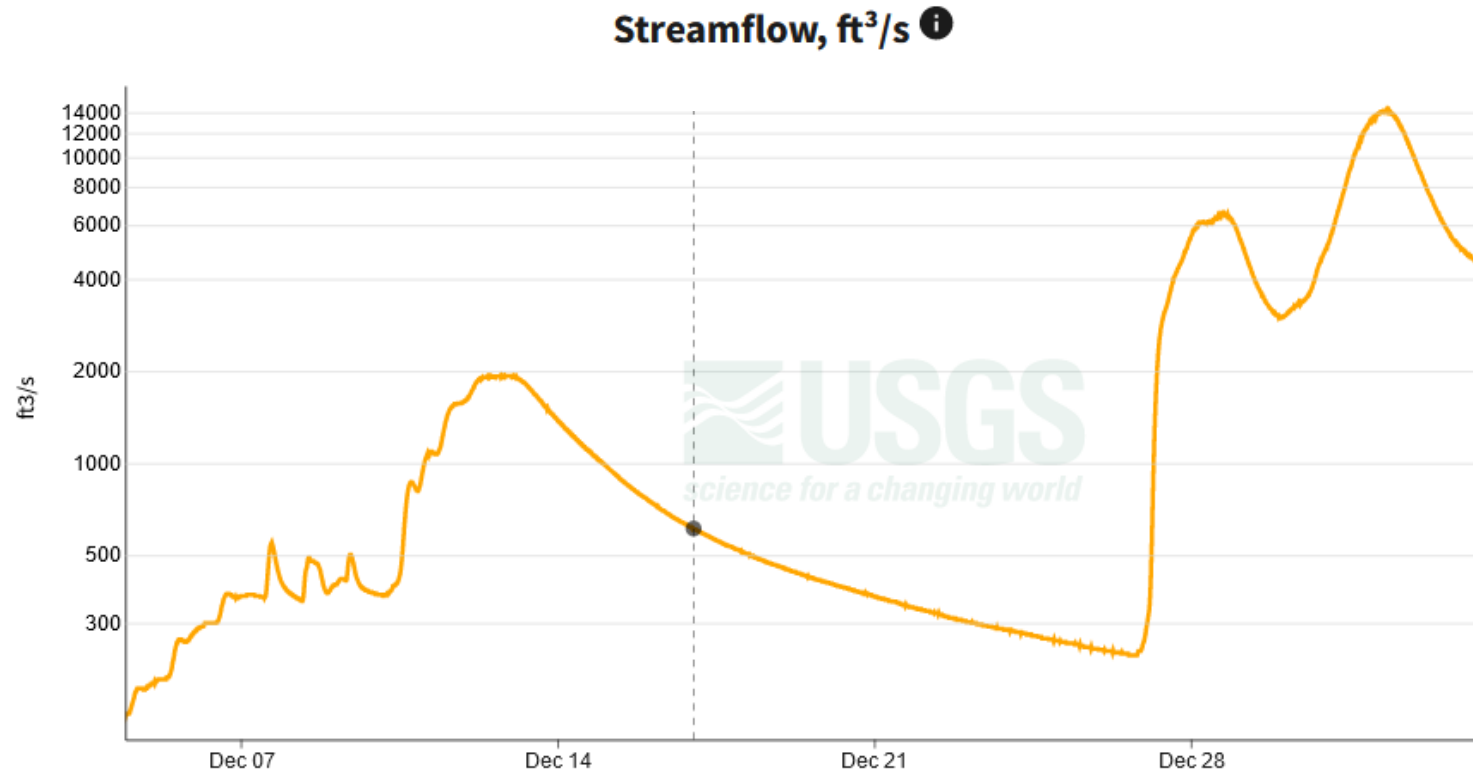
Rainfall and Streamflow



USGS Stream Gauge 11460400

1 ft³/s = 7.48 gal/s

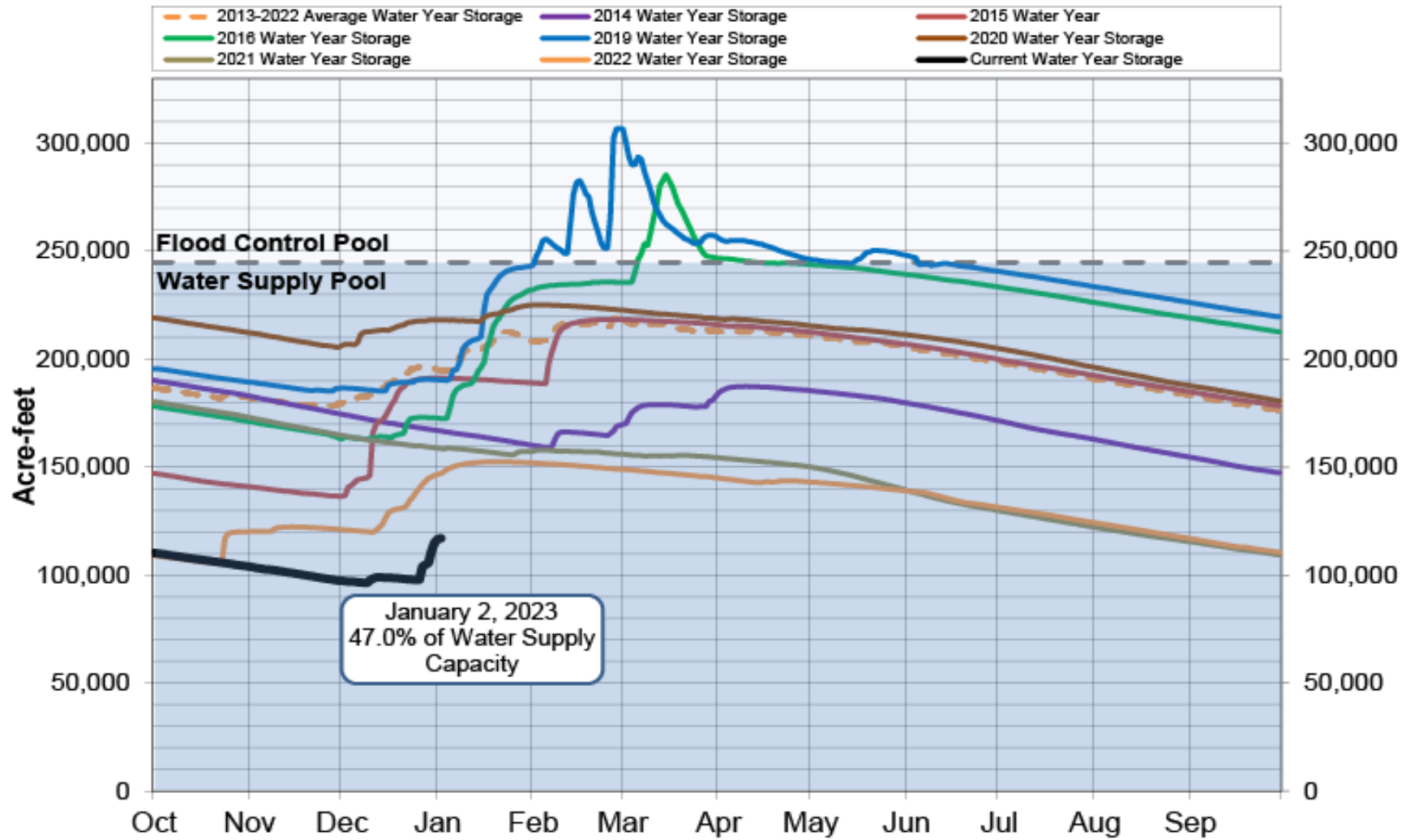
Russian River Flow at Hacienda Bridge Stream Gauge



14,000 ft³/s is equivalent to 9 billion gallons per day and could almost fill Kent lake in a little more than a day.

USGS Stream Gauge 11467000

Lake Sonoma Storage



Average storage for
this time of year
195,974 AF

Dec 30, 2022
storage level
106,560 AF or
~54% of average

Water Supply Update: Water Use Savings



Monthly Savings Tracker

Percent of water saved compared to the same period in 2020



Average Daily Water Use

(in millions of gallons)

Average Daily Use
December 2022

14.0

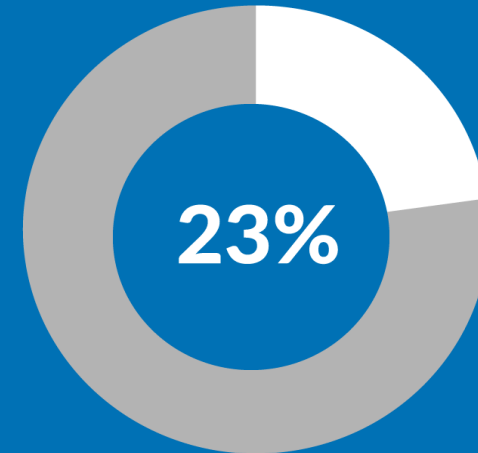
Average Daily Use
December 2020

18.3



Drought Water Savings Tracker

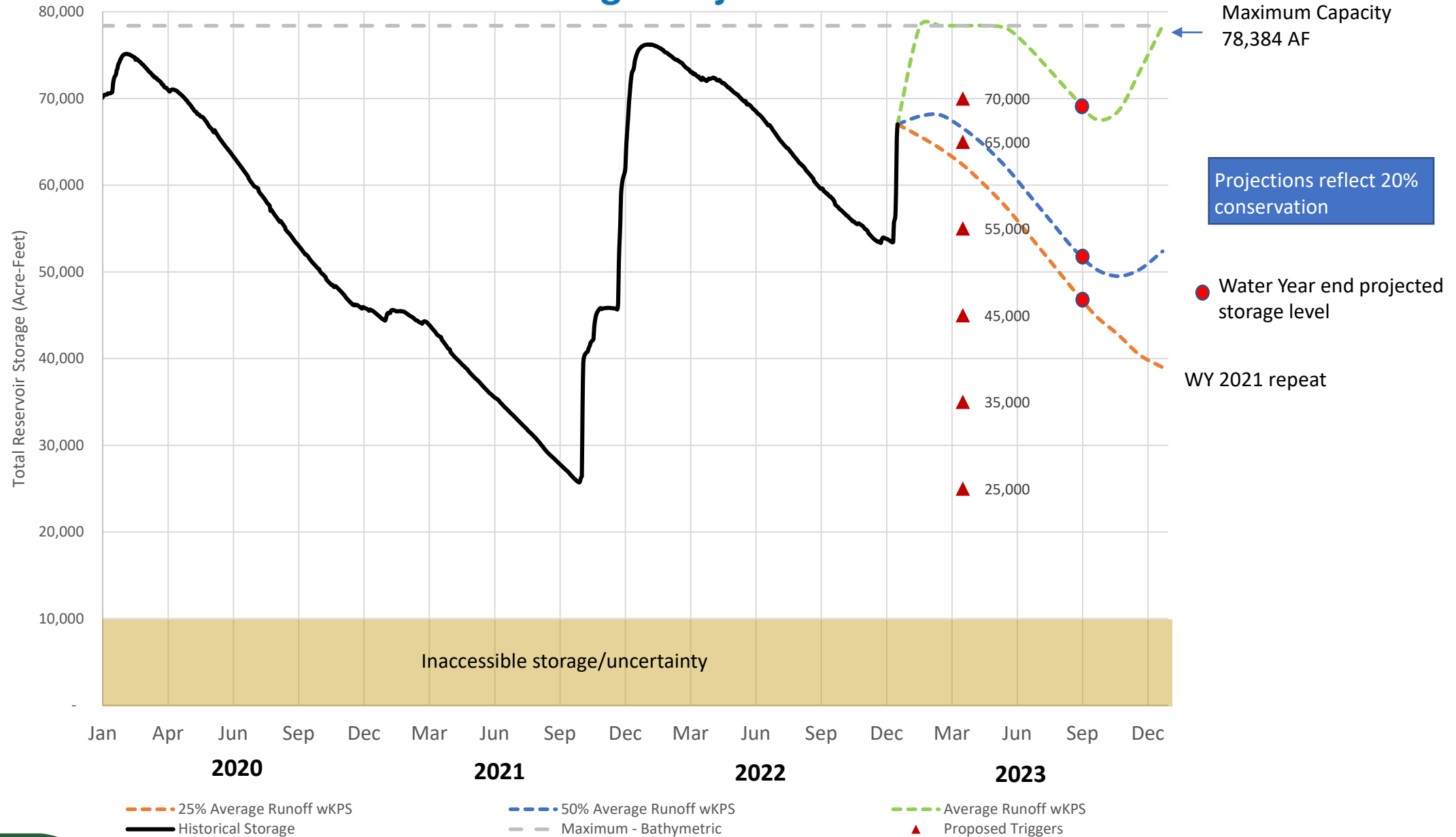
Percent of water saved from
July 2021 - December 2022
compared to the same period in 2020/21



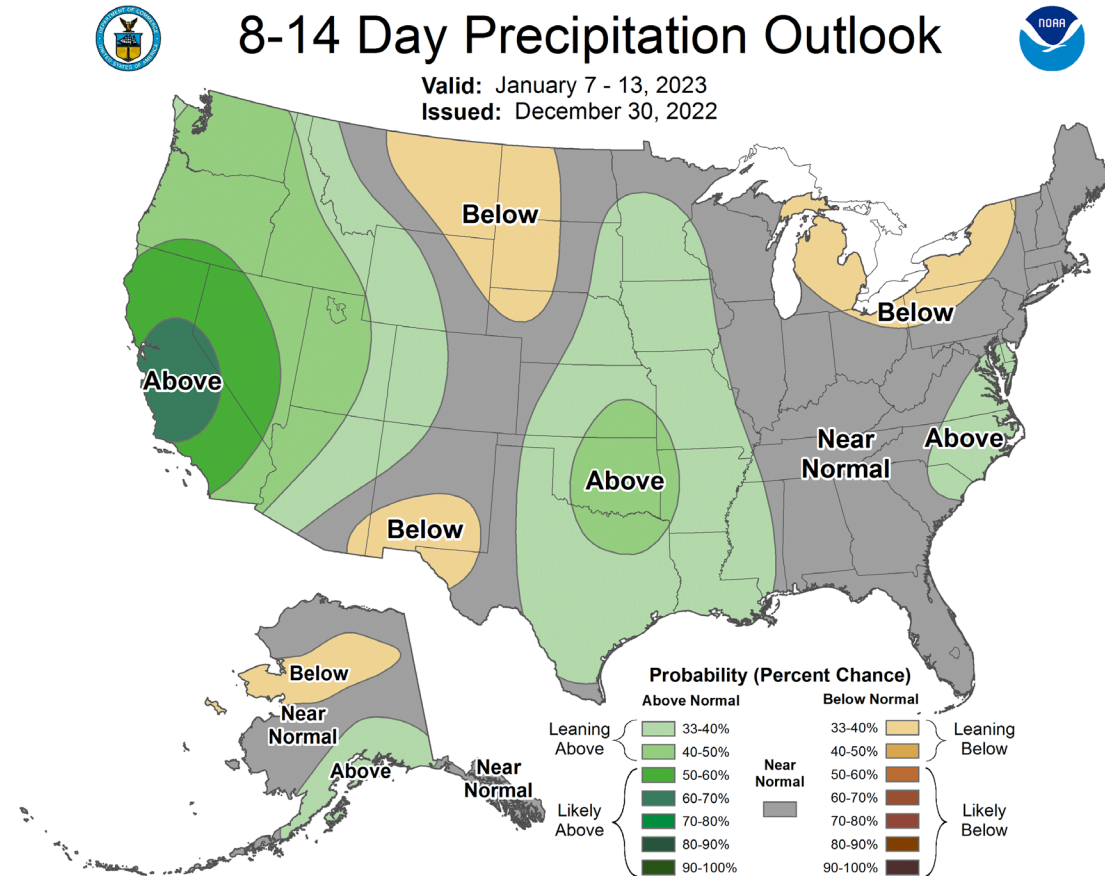
State Water
Savings Target: **15%**

Water use in 2022 is 23% lower than in 2020 (state target is 15% reduction)

Reservoir Storage Projections

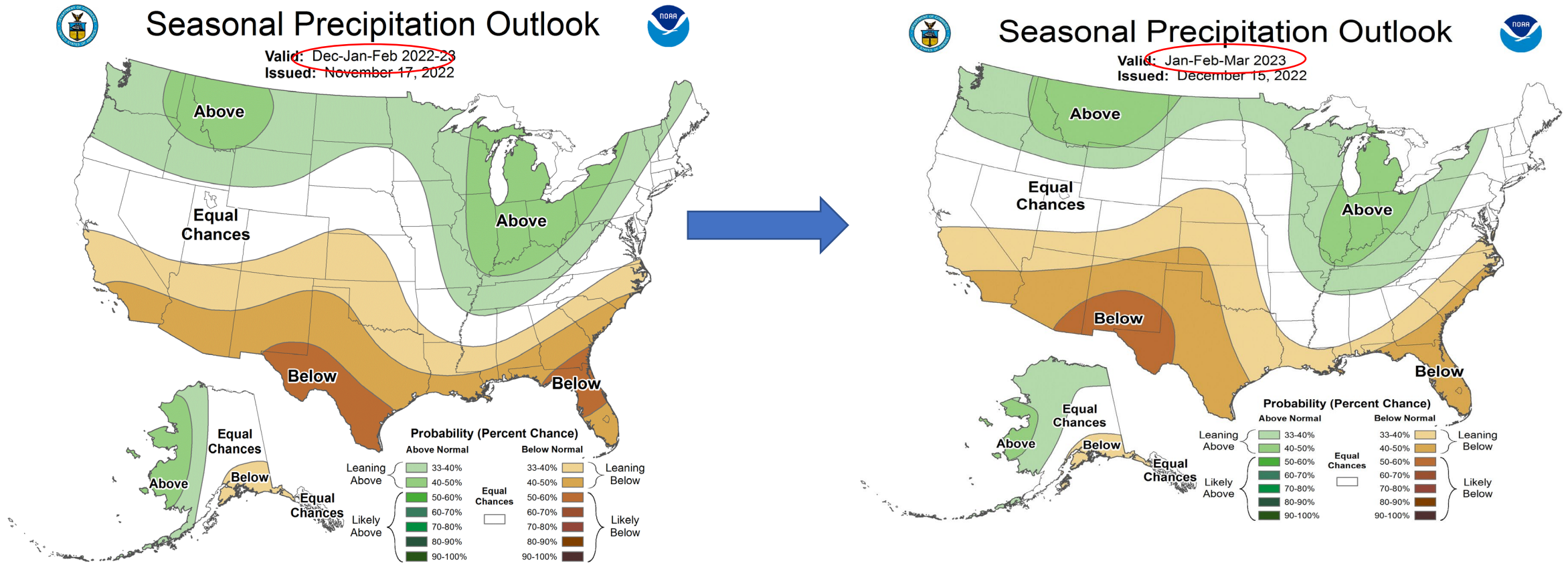


Water Supply Update: NOAA Short Term Forecast



Significant rainfall projected over the next ten days

Water Supply Update: NOAA Seasonal Precipitation Outlook



Strategic Water Supply Assessment Update

- Report is under staff review
- Portfolios presented December 13
- Roadmap(s) presentation January 24

Summary

- Reservoir storage is above average for this time of year and expected to increase with these next storms
- Conservation 23% compared to 2020
- NOAA's 3 month forecast indicates equal chance of dry or wet spring
- Strategic Water Supply Assessment
 - January 24 draft Roadmap(s) Presentation