



Drought Update

December 14, 2021



Phoenix Lake, December 2021

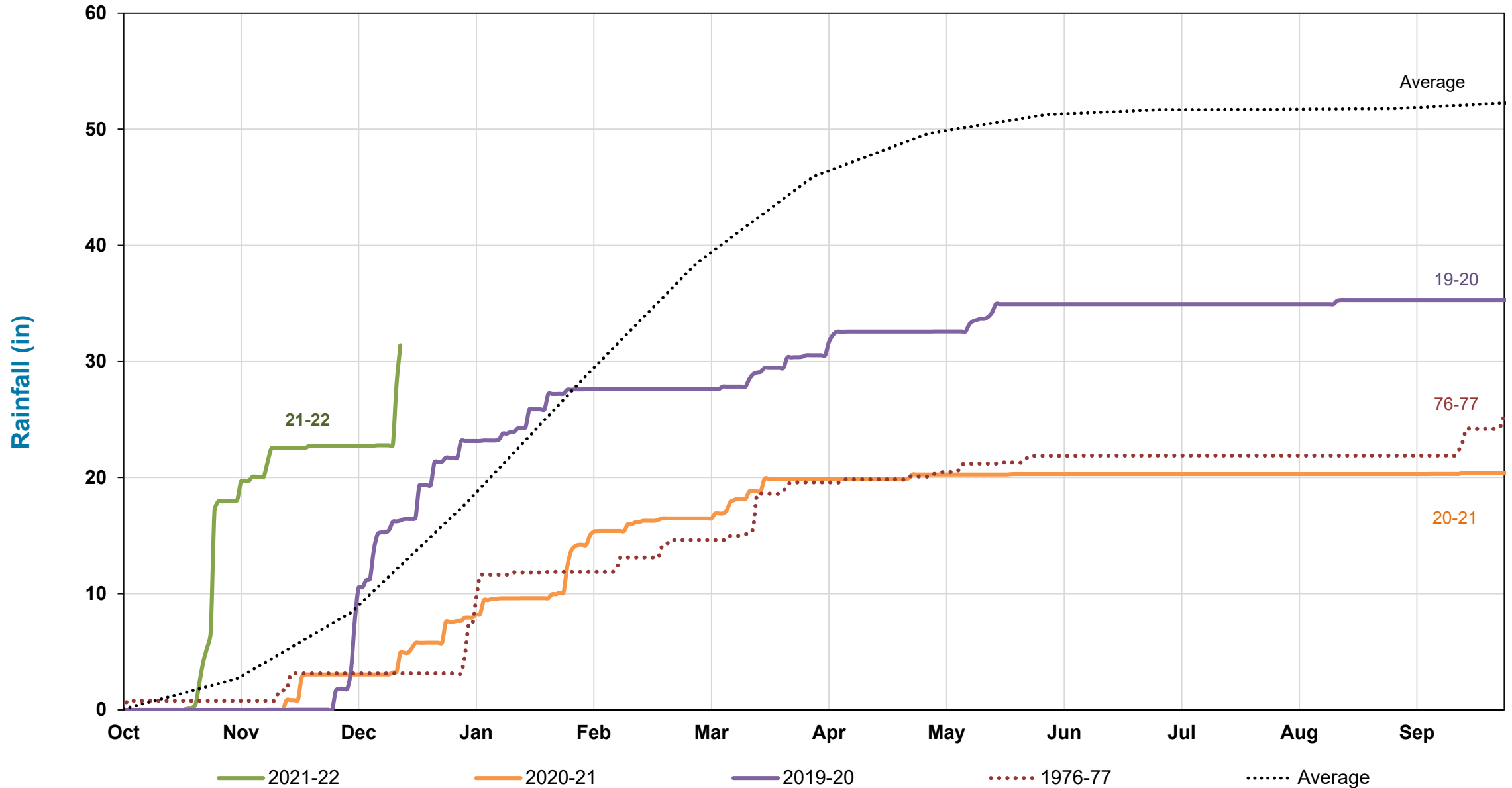
Photo by: Matt Cerkel, Senior Park Ranger, MMWD

Overview

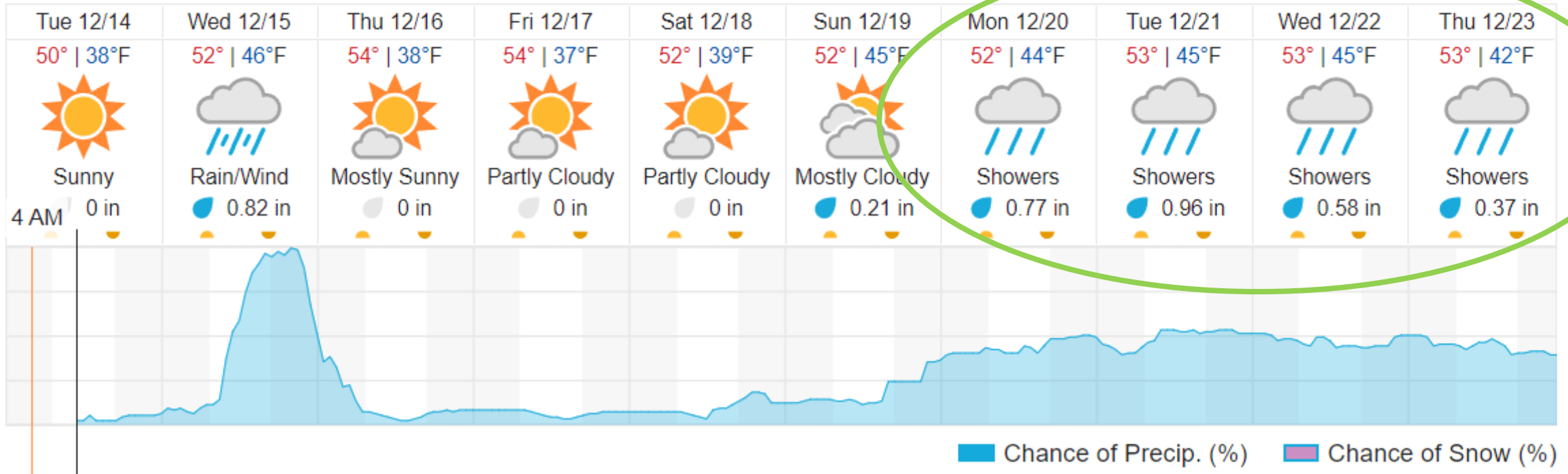
- Water Supply Update
- Drought Outreach
- Look ahead

Water Supply Update

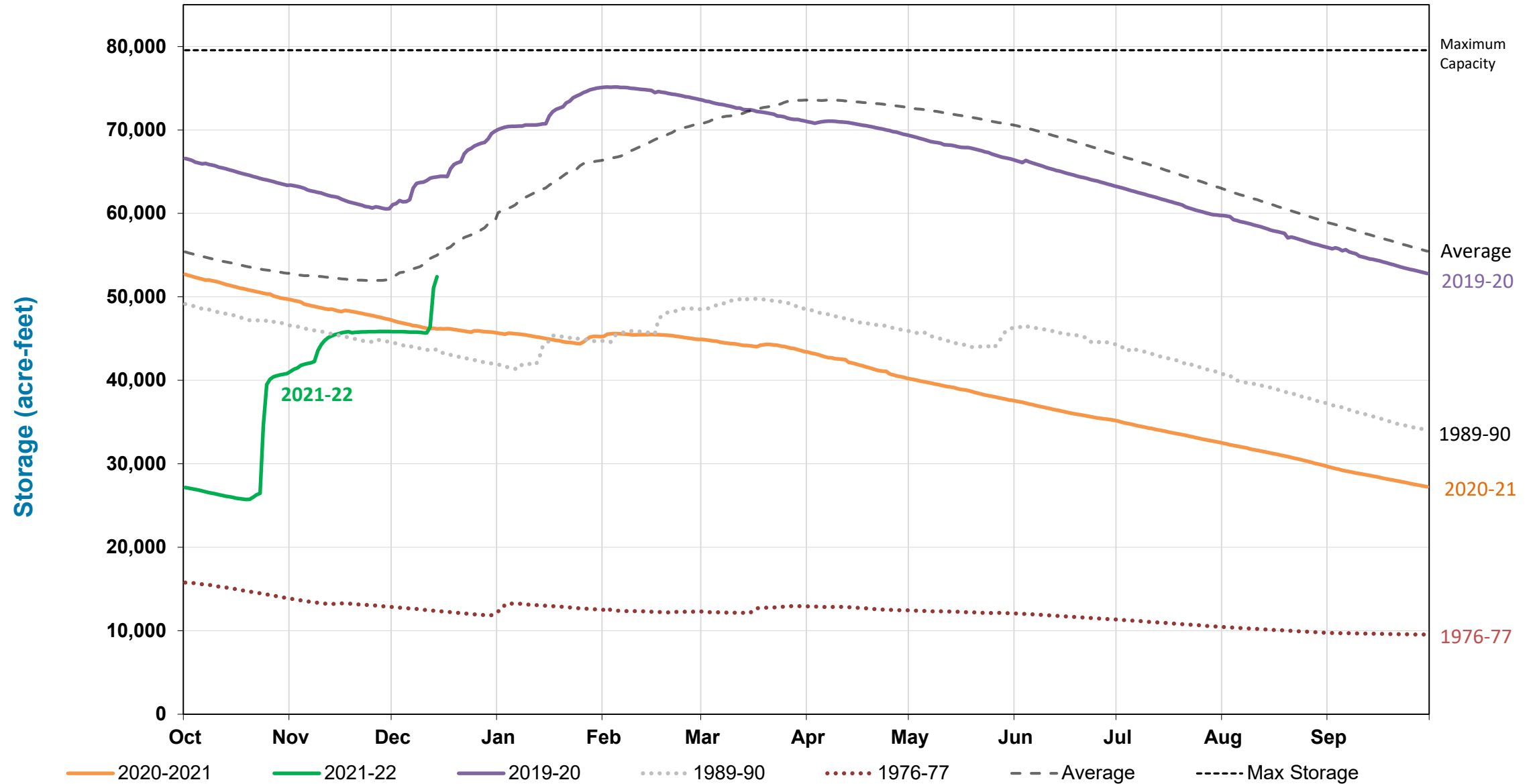
Cumulative Precipitation – Lake Lagunitas



Weather Outlook



Total Reservoir Storage

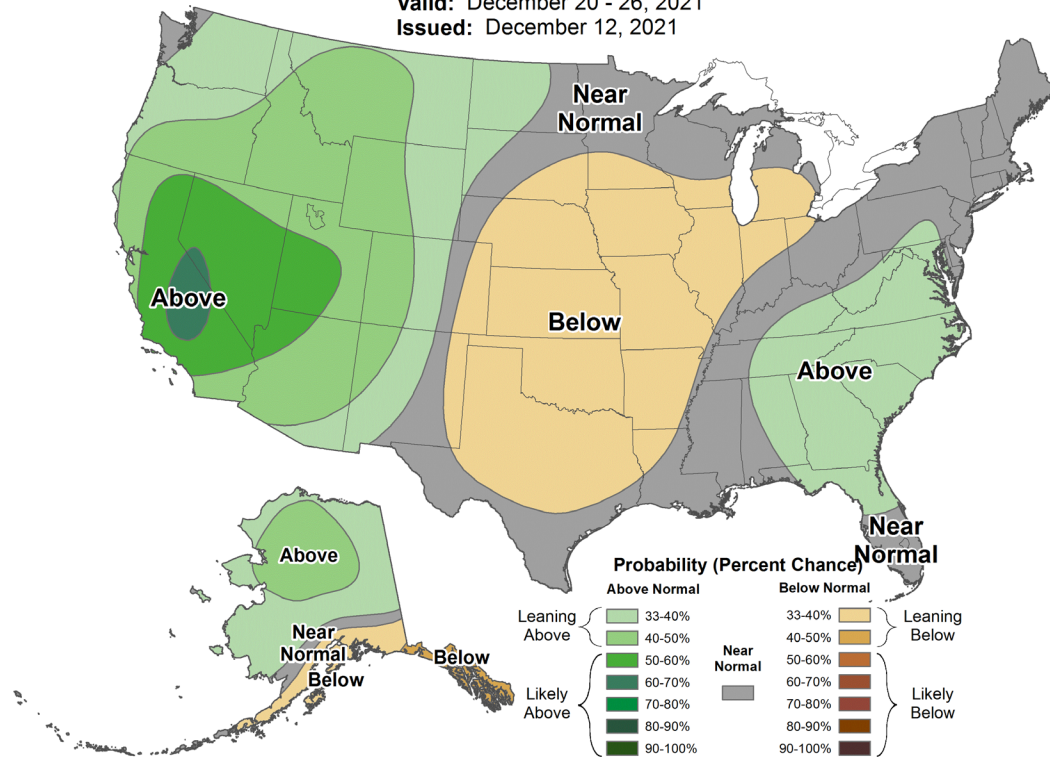


NOAA Precipitation Predictions



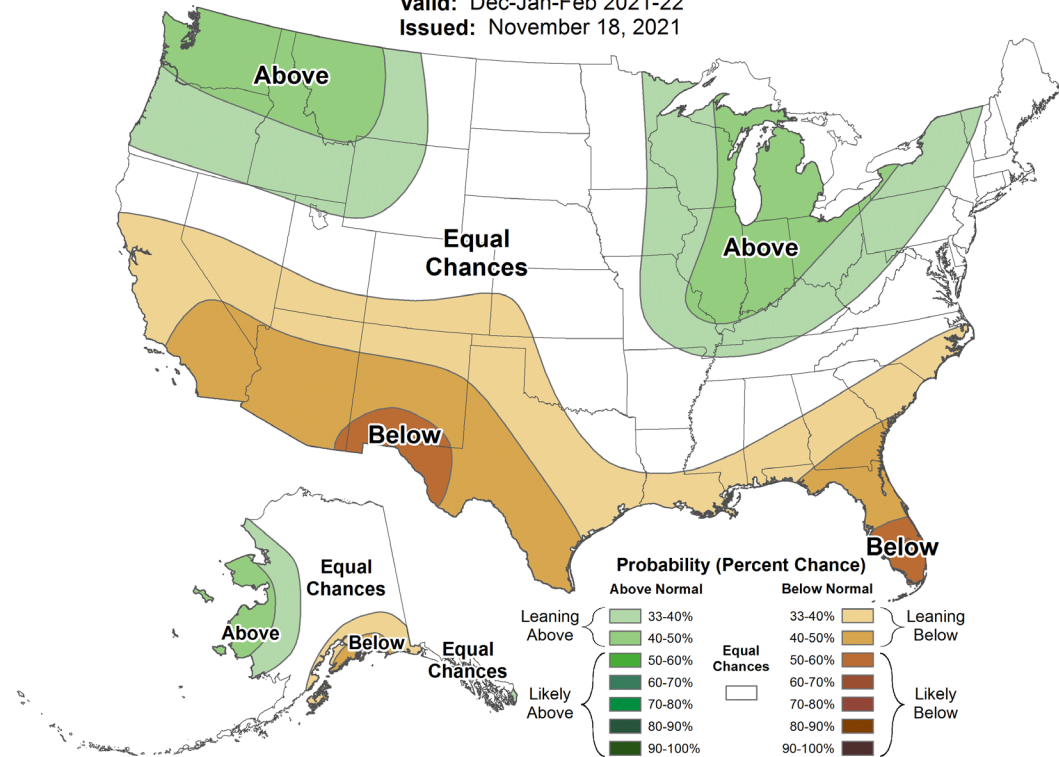
8-14 Day Precipitation Outlook

Valid: December 20 - 26, 2021
Issued: December 12, 2021

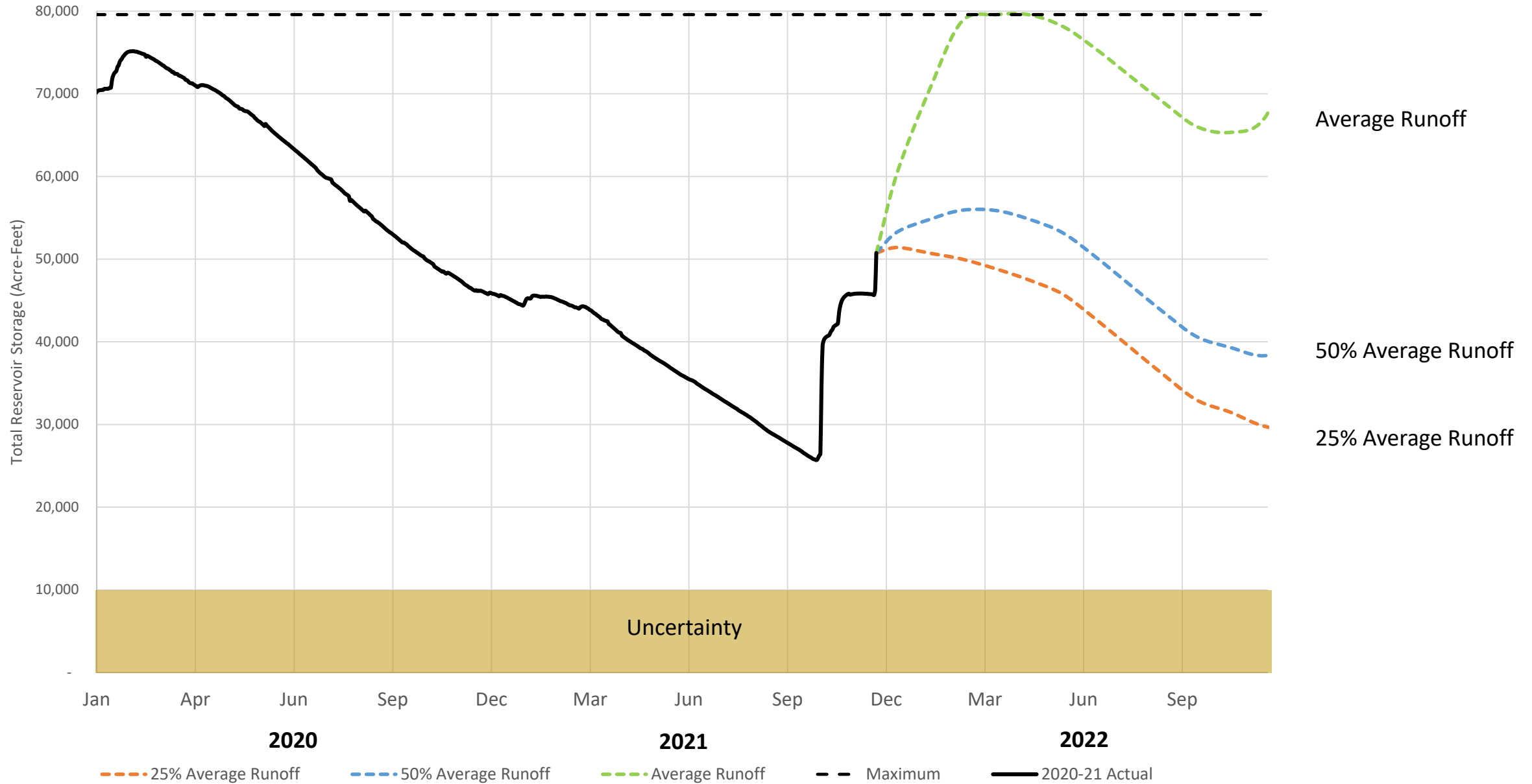


Seasonal Precipitation Outlook

Valid: Dec-Jan-Feb 2021-22
Issued: November 18, 2021



Projected Reservoir Storage



Adapting to Changing Supply Conditions

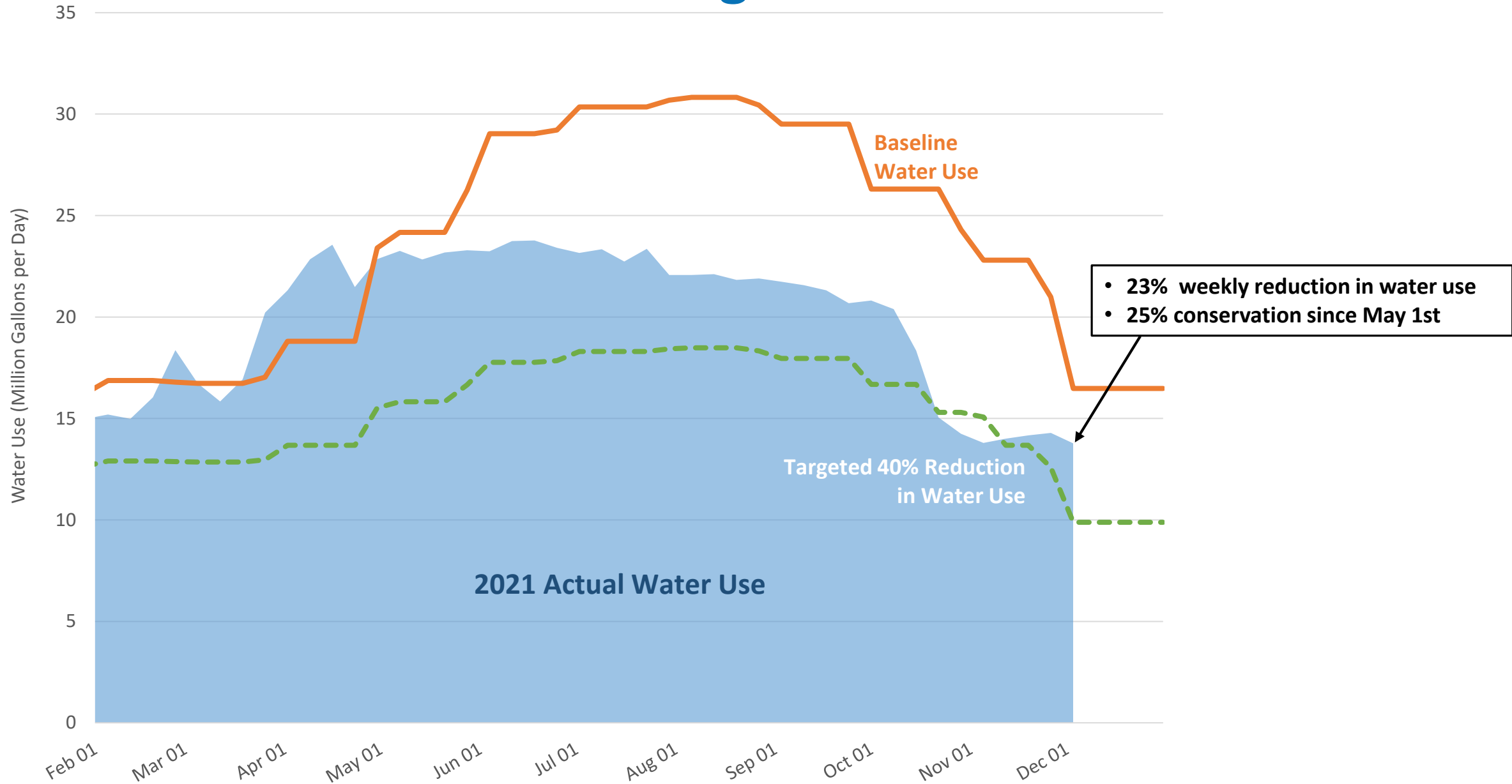
- In light of improved supply conditions staff are developing recommendations to roll back water use limits and penalties should storage conditions continue to improve further
- Discuss recommendations for the Board's consideration at the January 4th meeting

Drought Outreach

Looking Back on 2021

- **February 16:** Marin declares a drought and asks all customers to voluntarily conserve water
- **April 20:** Marin Water declares a water shortage emergency and adopts mandatory water use restrictions, including a 40% district-wide reduction goal
- **May 04:** Marin Water adopts irrigation restrictions limiting spray irrigation to 2 days/week
- **July 06:** Marin Water adopts tighter irrigation restrictions limiting spray irrigation to 1 day/week
- **July 20:** Marin Water adopts landscape restrictions for new service connections prohibiting the installation of new planting
- **September 21:** Marin Water establishes water use limits and excess use penalties limiting water use to 65 gallons per person per day for single family customers
- **October 19:** Marin Water adopts a district wide prohibition on winter irrigation (Dec-May) and pool filling

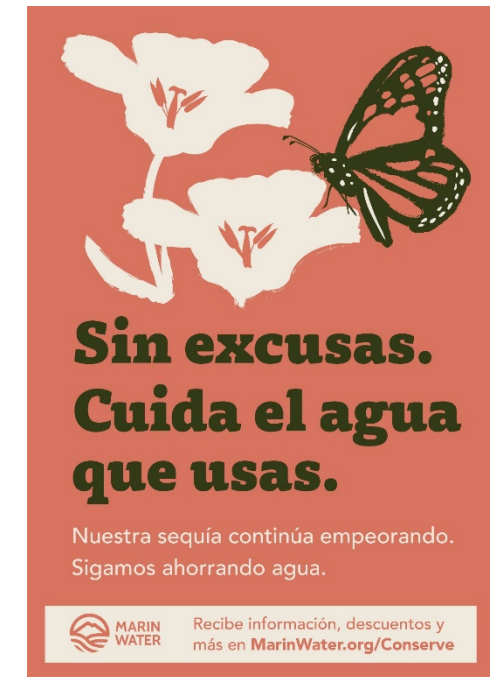
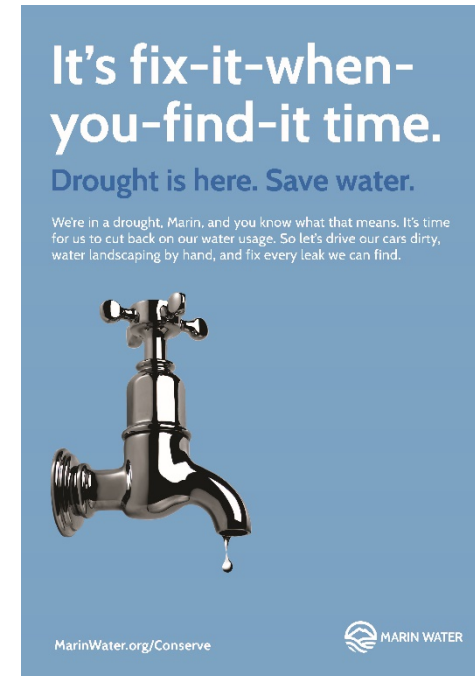
Actual vs. Targeted Water Use



Drought Outreach

Two distinct public awareness and conservation advertising campaigns

- Marin IJ (print and digital)
- Transit shelters
- Digital ads
- Bus back ads
- Radio
- Outdoor kiosks
- English and Spanish



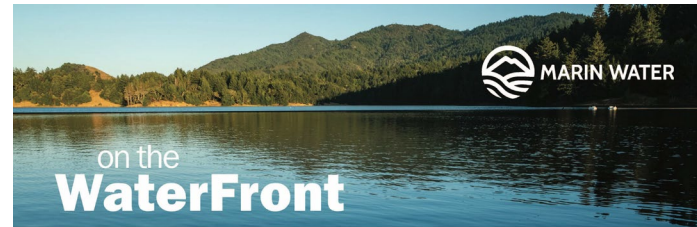
In the Community Events

- Tour de Drought Event
- Pond Farm Brewing Company collaboration



Outreach/ Community Engagement

- 60 Community Presentations: city and town councils; homeowners groups; chambers; rotaries; businesses, etc.
- 2 Drought Drive-Up Events
- PSA Video
- Youth Outreach
- 6 Customer mailings
 - 5 Drought bill inserts
- 4 District-wide mailings
- Social posts with over 1.1 million reach
- 389K gal Recycled Water Distributed Station
- 2 Community Conversations: Drought Webinars



CONSERVATION DURING DROUGHT CONDITIONS

It's been an unusually dry year, and the warmer and drier weather has created drought conditions throughout much of California. While the district is not in a declared drought, these unusually dry conditions have resulted in our water supply level running about 20% below average for this time of year.

With the uncertainty of what weather the winter months will bring, we are asking all of our customers to help us conserve water. Making some smart and simple adjustments to your daily routine will make a big difference in saving water. Saving water today ensures we have

an adequate supply, should there be dry weather ahead.

Taking shorter showers, turning off the water while brushing your teeth, and running your dishwasher and doing laundry only when you have a full load are all water-saving moves. Fixing leaking toilets and faucets will save water, and save you money.

With shorter daylight hours, your plants and garden need far less water. Reducing irrigation times and turning off your system several days a week will make a big difference.

Perhaps the best water-saving move you can make is trading in your

thirsty lawn for low-maintenance gorgeous landscaping with colorful blooms that require less water and less time. Marin Water offers rebates of \$1 for every square foot of lawn replaced. If you replace at least 500-square-feet of lawn, you can choose to have free mulching material and an irrigation conversion kit delivered directly to your home. You can learn more about these programs and all of our rebates at MarinWater.org/rebates.

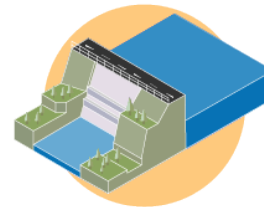
Need some help? Contact us at Conservation@MarinWater.org or call us at 415.945.1523 to schedule a free phone assessment.

NEW ANTENNA HELPS TRACK COHO SALMON



Lagunitas Creek. Lagunitas Creek, which begins above the district's reservoirs on Mt. Tamalpais, is a spawning and rearing ground for endangered coho salmon, and

about where fish thrive and where habitat enhancement efforts are most needed. Our salmon monitoring program also allows us to evaluate the effectiveness of our restoration



Drought Webinar Part II

October 21 | 5 - 7 p.m. 





Is Your Garden Rain Ready?



Rain Barrels and Cisterns

Rainwater harvesting is the practice of collecting rainwater from rooftops and storing it for later use. We are offering up to 50 cents per gallon of storage. Up to \$1,000 per site.

We're Here to Help

Not sure which program will work for you? We provide free phone consultations to help you find the conservation programs and rebates that best suit your needs. We also offer free water-efficient fixtures including hose shutoff nozzles, faucet aerators, showerheads, shower timers, and leak detection dye tablets.

Call us at 415.945.1527 or send us an email at Rebates@MarinWater.org to request fixtures or schedule a consultation.

Offers & Rebates

**Save Water
Save Money**

Para información en Español
Info@MarinWater.org
415.945.1523

Questions?

Email: Rebates@MarinWater.org
Call: 415.945.1527
Visit: MarinWater.org/Rebates

MarinWater.org/Rebates

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Drought Success by the Numbers

- 6 new water saving incentive programs launched
- Responded to over 10,000 customer calls and emails
- Converted over 500,000 sqft of turf
- 1,942 Flume devices installed
- 1,900 Yard Signs Distributed
- 5 Landscape Professional Drought Training Webinars
- 305 Variances
- 339 Pool Cover Rebates
- 7,728 Custom water use limit letters mailed



Rebates & Incentives

Make water conservation a part of the holiday season this year by participating in our rebate and incentive programs. Winter is a great time to focus on indoor savings by ensuring that fixtures are as efficient as possible.

Please visit marinwater.org/rebates for more information. Terms and conditions apply.



Cash for Grass - Thanks for Participating!

468 Marin Water customers have been approved for our Cash for Grass rebate. Together we've already helped replace over 160,000 square feet of lawn which will provide annual savings of 4 million gallons for years to come.

Communications: Looking Ahead

- Potential Shift in Messaging & Outreach Plan
 - Focus on the resiliency of our water system
 1. Water conservation as a way of life – continue practices to save the water we all rely on.
 2. Proposed operational and water supply projects in progress – ensuring a water system that can adapt and respond to changes for years to come.



Next Steps

- Continue to refine & enhance drought outreach and conservation efforts
- Continue operational and water supply projects
- Ongoing monitoring and reporting to the Board status as compared to established conservation goals

