



Pasadena Water and Power

IMPLEMENT LEVEL 1 WATER SUPPLY SHORTAGE PLAN AND LIFT TEMPORARY 15 PERCENT VOLUNTARY WATER-USE REDUCTION TARGET

May 8, 2023
Item 16





Overview

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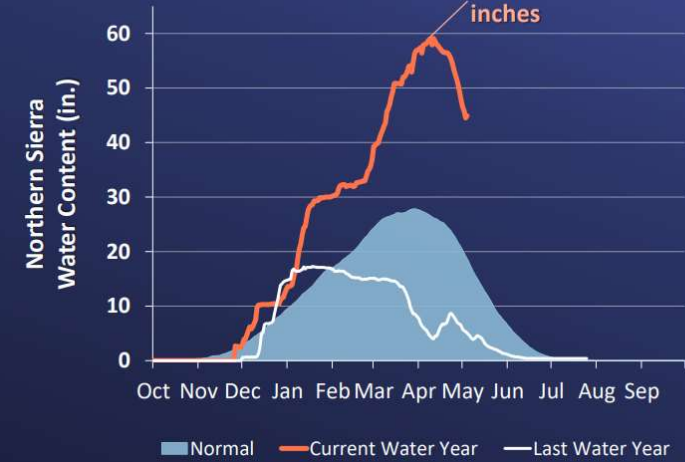
- Water supply conditions update: One of the wettest winters on record
- State (Governor's executive order) easing statewide water restrictions, while maintaining other drought measures
- Recommend moderately scaling back drought restrictions
 - > Continue to implement a water shortage level, as still vulnerable to extreme and variable weather in California and Colorado River reservoirs remain low
 - > Move down to Level 1 Water Supply Shortage Plan based on water supply and demand conditions
 - > Lift temporary 15 percent water-use reduction goal
 - > Wasteful watering practices continue to be banned
- Capturing surplus State Water Project supplies and continuing to save water for the future



Winter Storms Produced Near-Record High California Snowpack

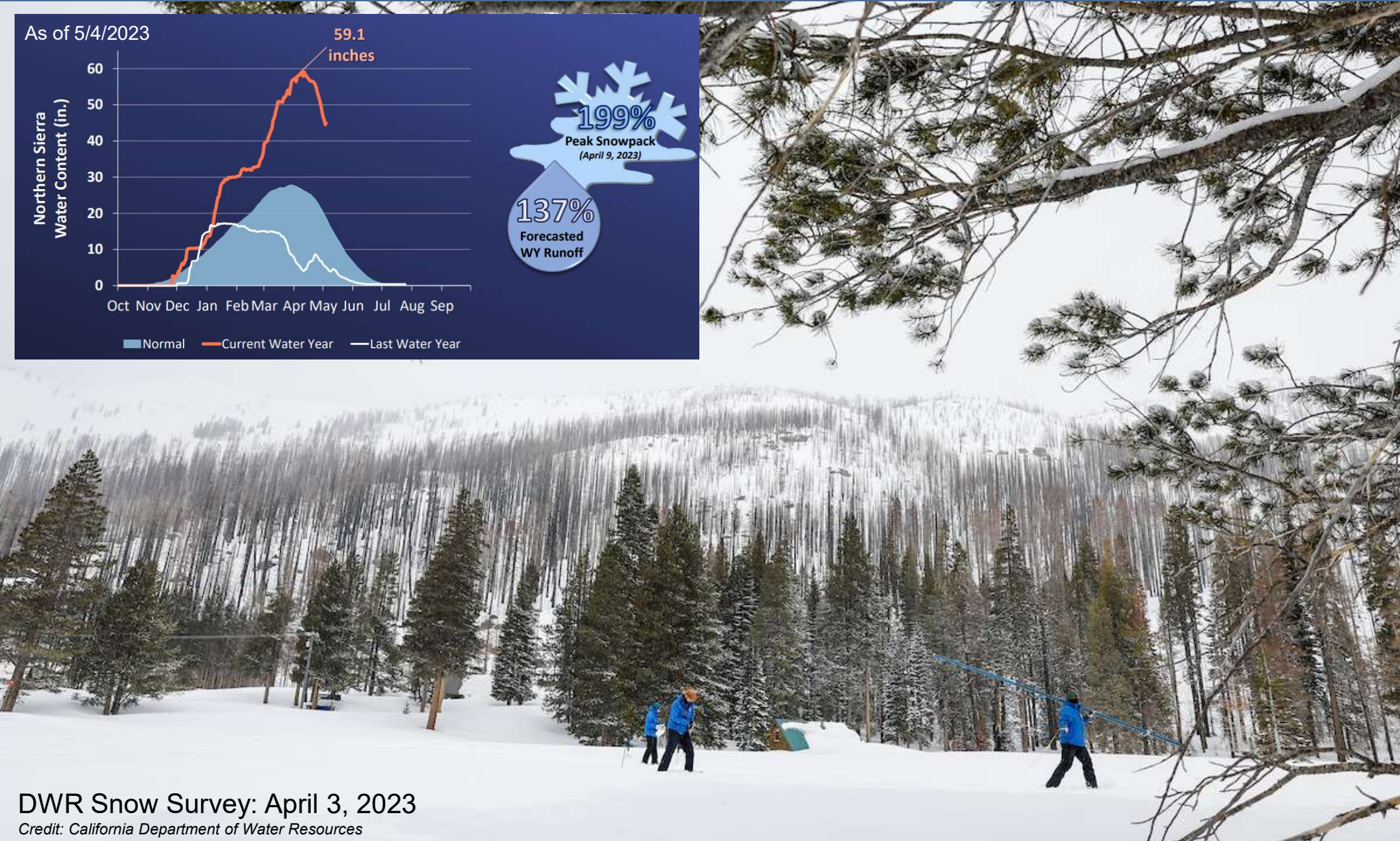
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As of 5/4/2023



199%
Peak Snowpack
(April 9, 2023)

137%
Forecasted
WY Runoff



DWR Snow Survey: April 3, 2023

Credit: California Department of Water Resources



Significantly Improved Water Supply Conditions – State Water Project

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Major State Water Project reservoirs now full or near full



Lake Oroville expected to fill by end of May

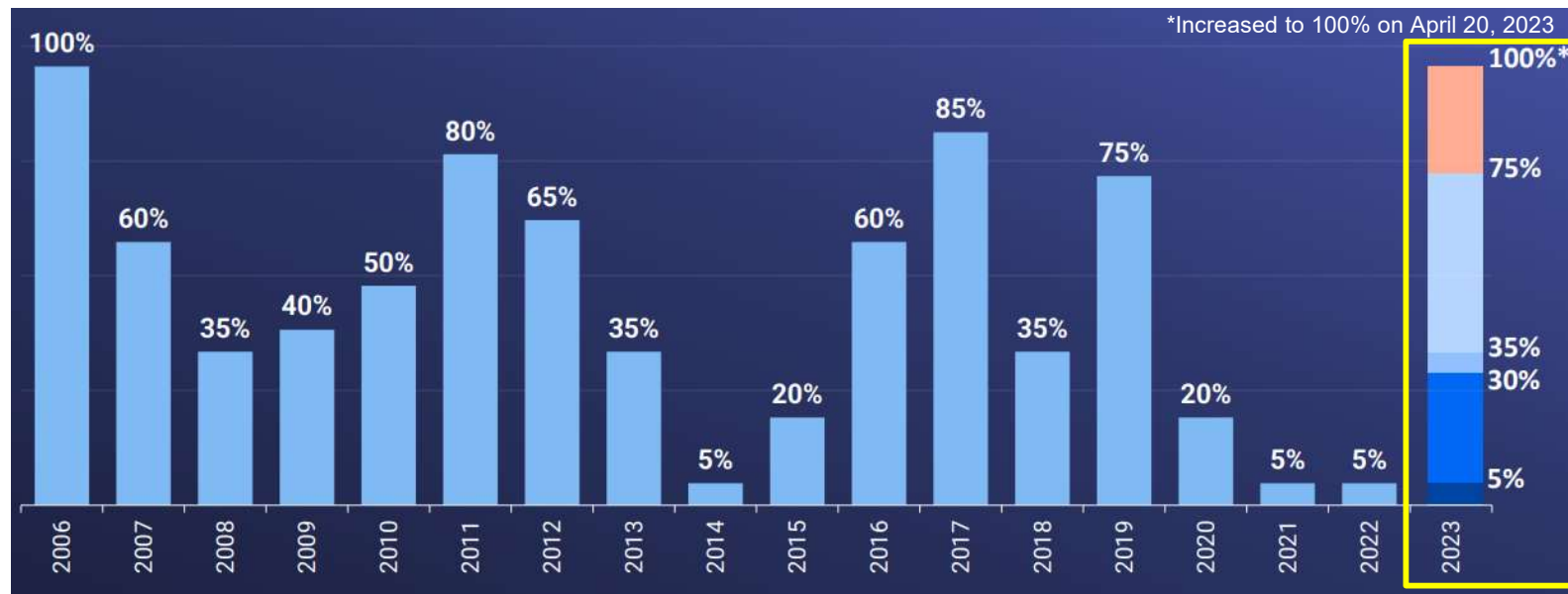
Credit: California Department of Water Resources



Water releases from Oroville Spillway

Credit: California Department of Water Resources

State Water Project allocation increased to 100%: an extraordinary year





State Easing Some Drought Measures, Maintaining Others

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San Luis Reservoir Now Full

Credit: California Department of Water Resources



California Aqueduct

Credit: California Department of Water Resources

In response to improved conditions, on March 24, 2023, Governor Newsom issued orders that:

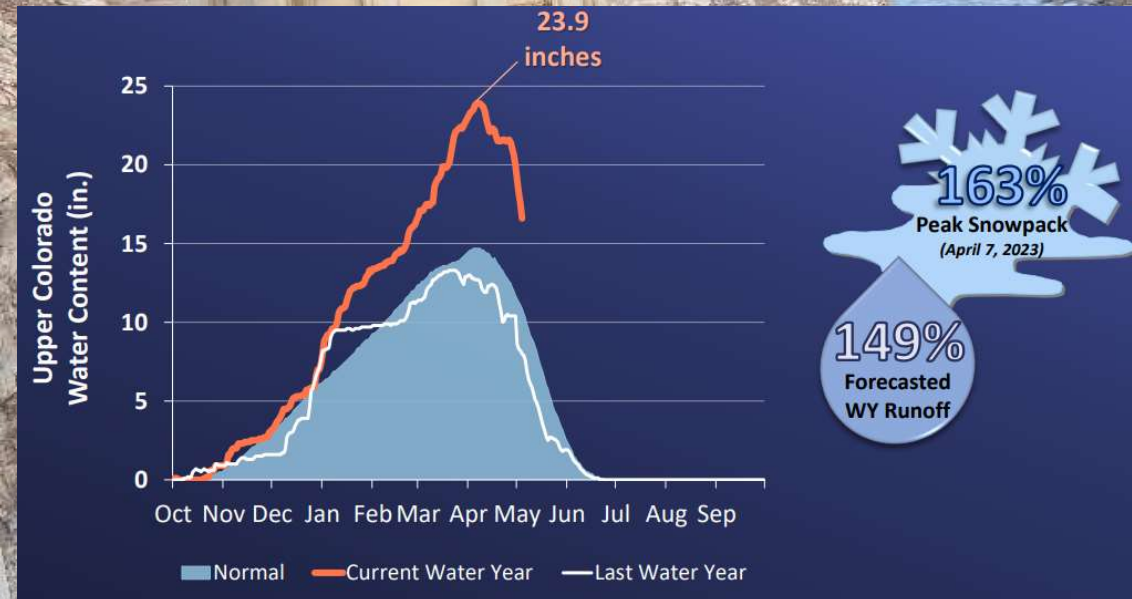
- > Ends the voluntary 15% water conservation goal, continues to encourage using water wisely
- > Ends requirement that local water agencies implement level 2 drought contingency plans
- > Maintains ban on wasteful water uses, like watering ornamental grass on commercial grounds
- > Retains state of emergency for all 58 counties so response and recovery efforts can continue

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Less Severe Colorado River Basin Conditions

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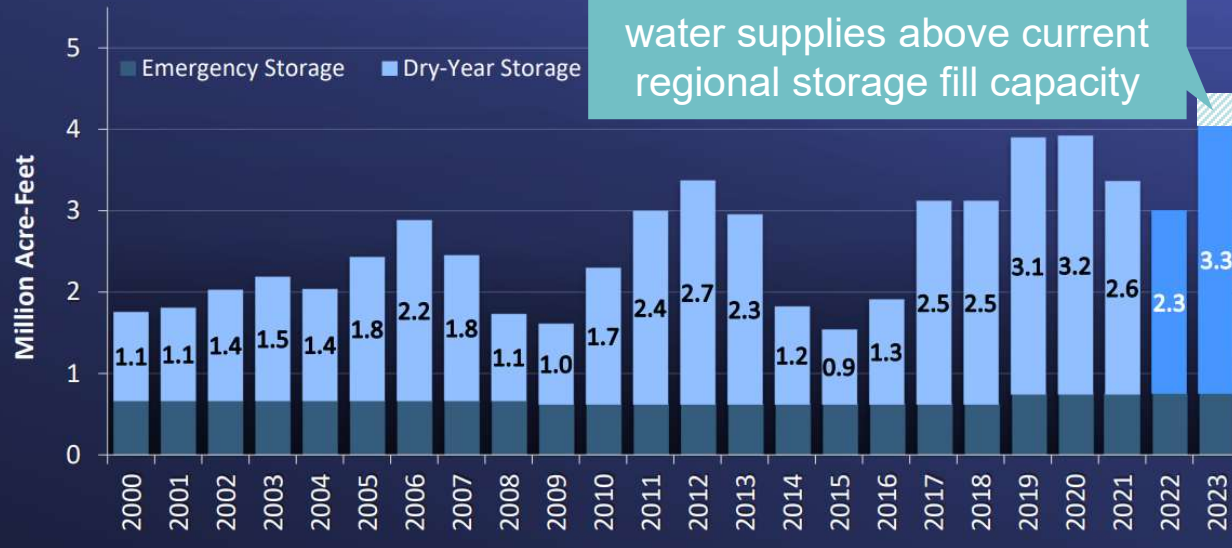
Lake Mead projected to rise more than 20 feet this year, but still low after 23 years of drought



Overall Surplus Conditions in 2023: Replenishing Regional and Local Storage

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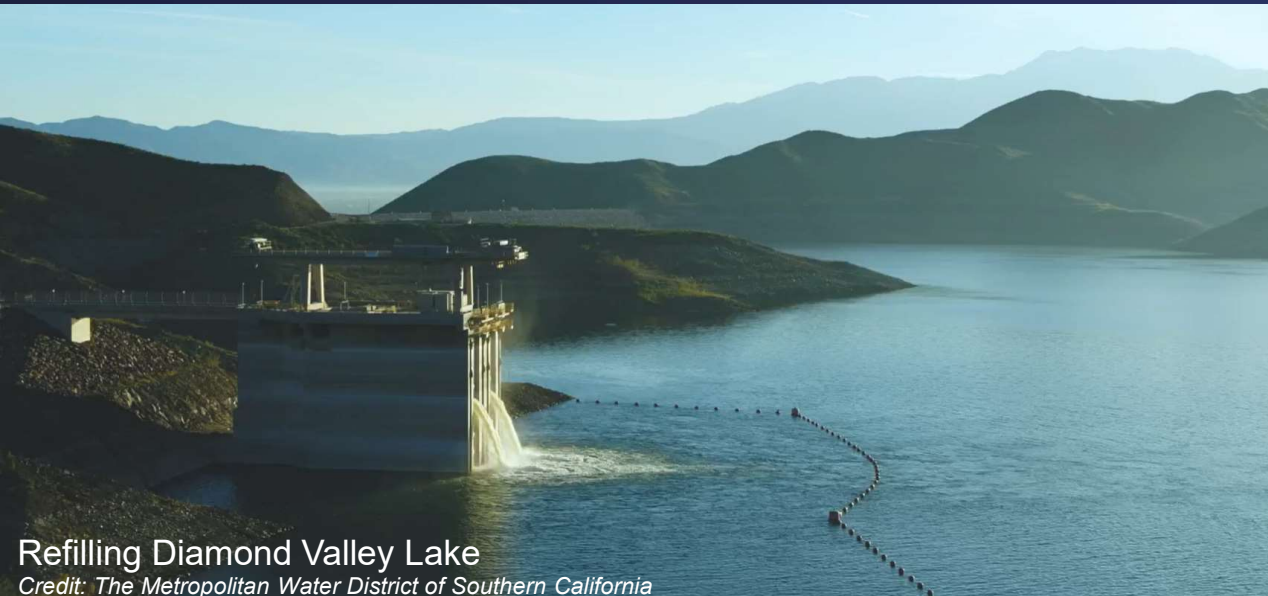
Metropolitan Projecting to Refill Storage Accounts End-of-Year Balances



PWP proactively capturing surplus State Water Project supplies for local groundwater replenishment



Initiated In-Lieu Program with Metropolitan, significantly reducing groundwater pumping



Refilling Diamond Valley Lake
Credit: The Metropolitan Water District of Southern California



Recommend Moderate Easing of Local Drought Restrictions

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- Recommendations
 - > Move to Level 1 Water Supply Shortage Plan
 - Restricts outdoor watering to up to 3 days per week in summer, 1 day per week in winter
 - Wasteful watering practices continue to be banned
 - > Lift temporary 15 percent voluntary water-use reduction target
- Accompanying Messaging
 - > Encourage less days a week of outdoor watering if possible
 - > Continue to maintain tree health
 - > Must continue to use water wisely
 - > PWP is here to help with rebates, classes, water-saving tips, and more



Recommend Moderate Easing of Local Drought Restrictions

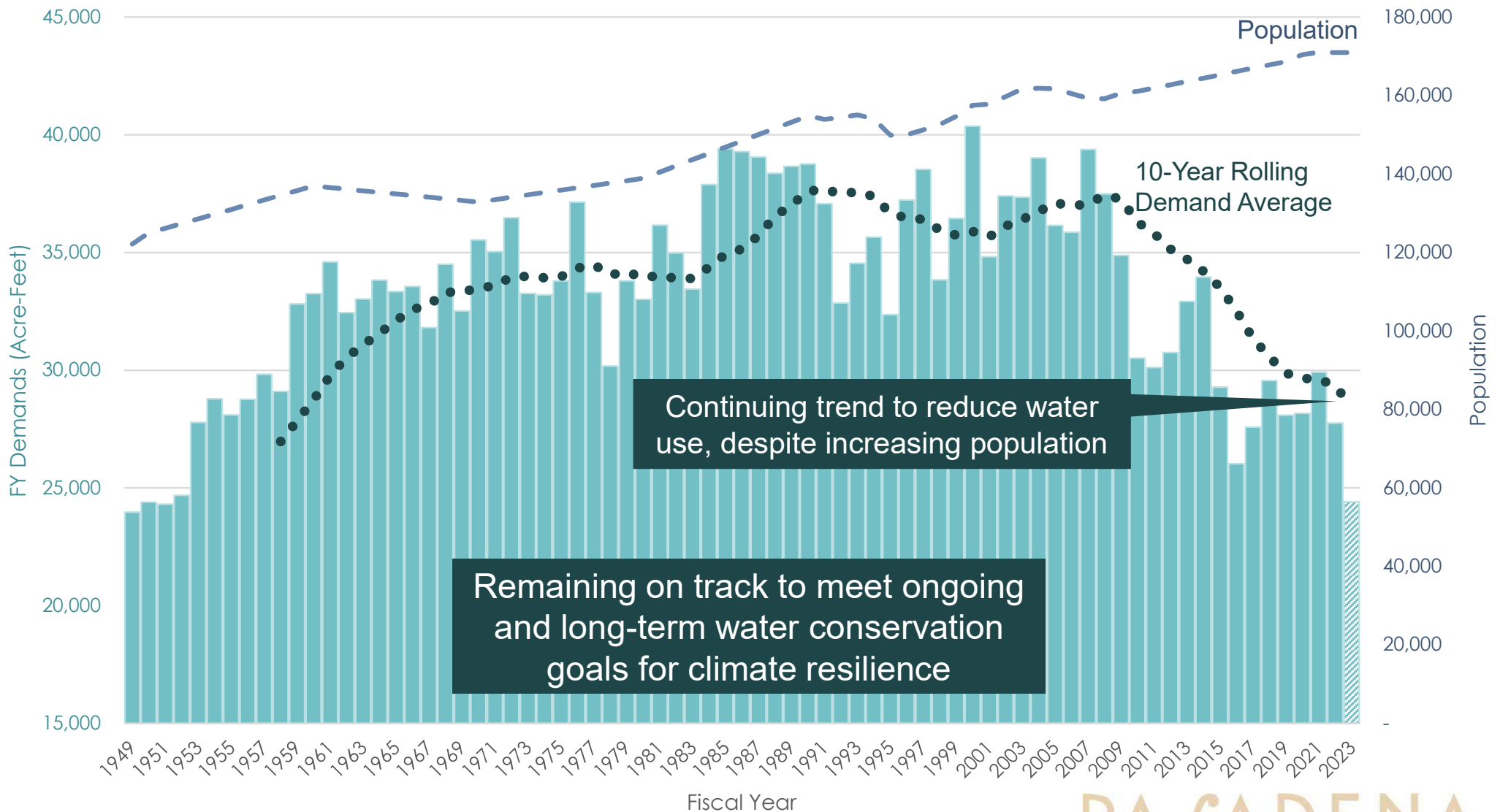
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- Driving Factors
 - > Balanced approach consistent with overall supply/demand conditions, state/regional actions, and Pasadena Ordinance
 - Continue to implement a water shortage level
 - Reduce mandated water restriction intensity
 - > Adaptive water management: flexibility to manage through extreme conditions
 - Allows for flexibility to replenish stressed landscapes, including trees
 - > Maximizing groundwater replenishment with surplus State Water Project supplies
 - > Continuing water-use efficiency efforts and building climate resilience



Continuing Foundation of Water Conservation for Climate Resilience

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Continuing Foundation of Water Conservation for Climate Resilience

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- Level 1 Outreach & Education
 - > Direct messaging
 - > Citywide mailer
 - > Press releases
 - > Daily updates: City website, Facebook, Twitter

Three Day Watering Schedule

Even-numbered addresses may water			Odd-numbered addresses may water			
Mon	Wed	Fri	Tue	Thu	Sat	Sun
☔	☔	☔	☔	☔	☔	×

Before 9 am and after 6 pm



PASADENA Water & Power SERVING THE COMMUNITY SINCE 1904

Water is a precious resource. Please do your part to conserve and water only as needed. PWPweb.com/SaveWater

- Ongoing: Continue to Build Climate Resilience
 - > Programs
 - Irrigation Check-Up
 - Landscape Retrofits
 - Spray-To-Drip
 - Greywater
 - Leak Detection
 - Water Surveys and Direct Install
 - Rebates and Incentives
 - > Grants
 - > Water is Climate Campaign
 - > Community Workshops
 - > Partnership with Public Works – Stormwater/Rainwater Capture



Recommendation

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- California Environmental Quality Act (“CEQA”) Exemption
 - > State CEQA Guidelines Section 15307
 - > Protection of Natural Resources
- Pursuant to Pasadena Water Waste Prohibitions and Water Supply Shortage Plans Ordinance (PMC 13.10)
 - > Implement Level 1 Water Supply Shortage Plan
 - > Lift the temporary 15 percent voluntary water-use reduction target



Backup Slides

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Recommend Moderate Easing of Local Drought Restrictions

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Pasadena Water Shortage Plan Levels

	Level 1 (Recommended)	Level 2 (Current)	Level 3	Level 4
Watering Days Per Week	3 summer 1 winter	2 summer 1 winter	1 summer 1 winter	No watering or irrigating
Obligation to Repair Leaks, Breaks	72 hours after notification	48 hours after notification	36 hours after notification	24 hours after notification
Additional Prohibitions	N/A	Filling ornamental lakes and ponds	Filling ornamental lakes and ponds	Filling ornamental lakes, ponds, residential pools or spas No new potable water service provided
*Summer: April 1 – October 31; Winter: November 1 – March 31				

Limits on Watering Hours: prohibited between the hours of 9:00 a.m. and 6:00 p.m. on any day, except by use of a hand-held bucket or similar container or a hand-held hose equipped with a water shut-off nozzle or device