Water Supply Update

Board of Public Utilities Meeting

September 21, 2023

Claire Nordlie – Water Use Efficiency Coordinator

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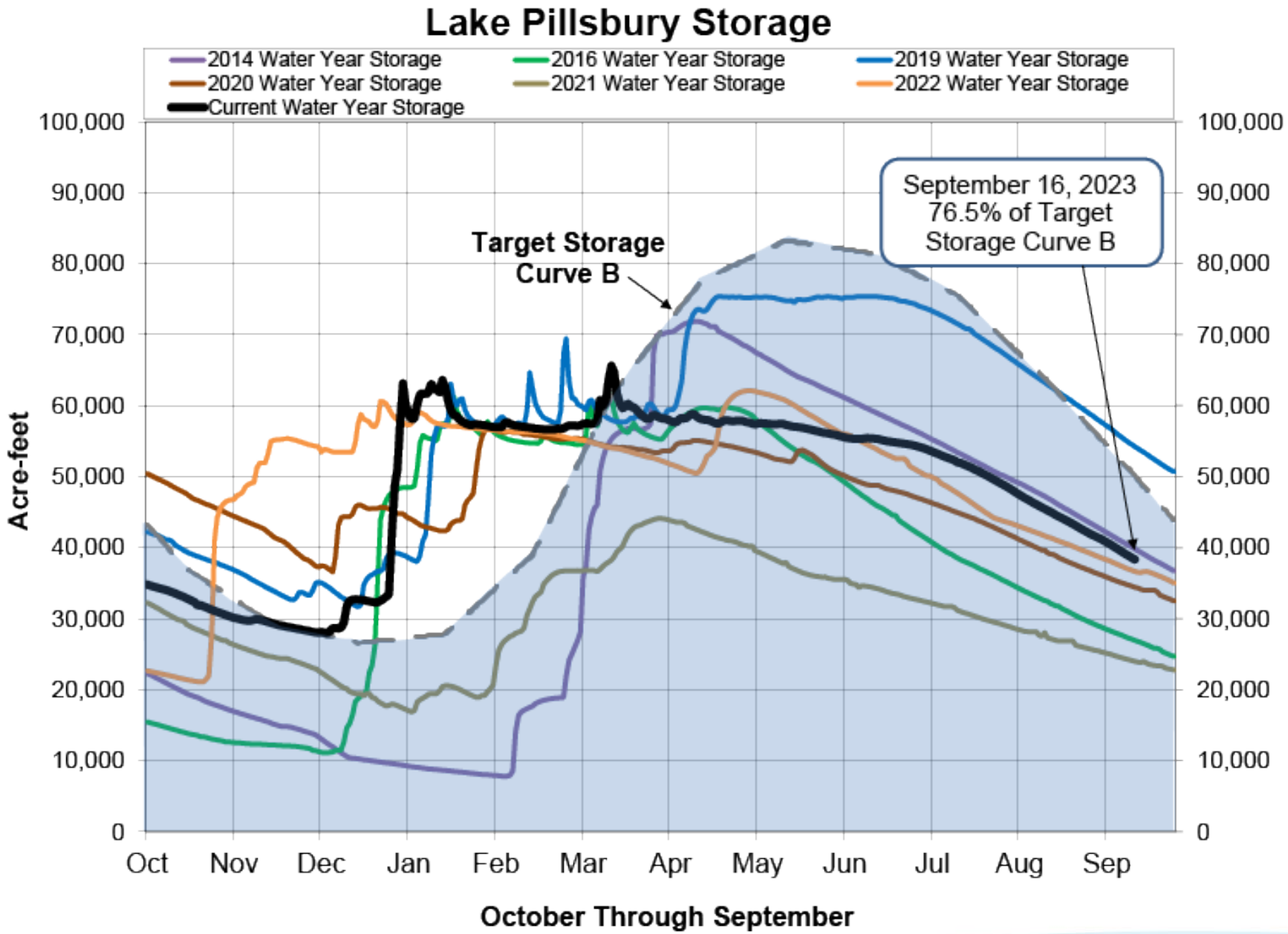
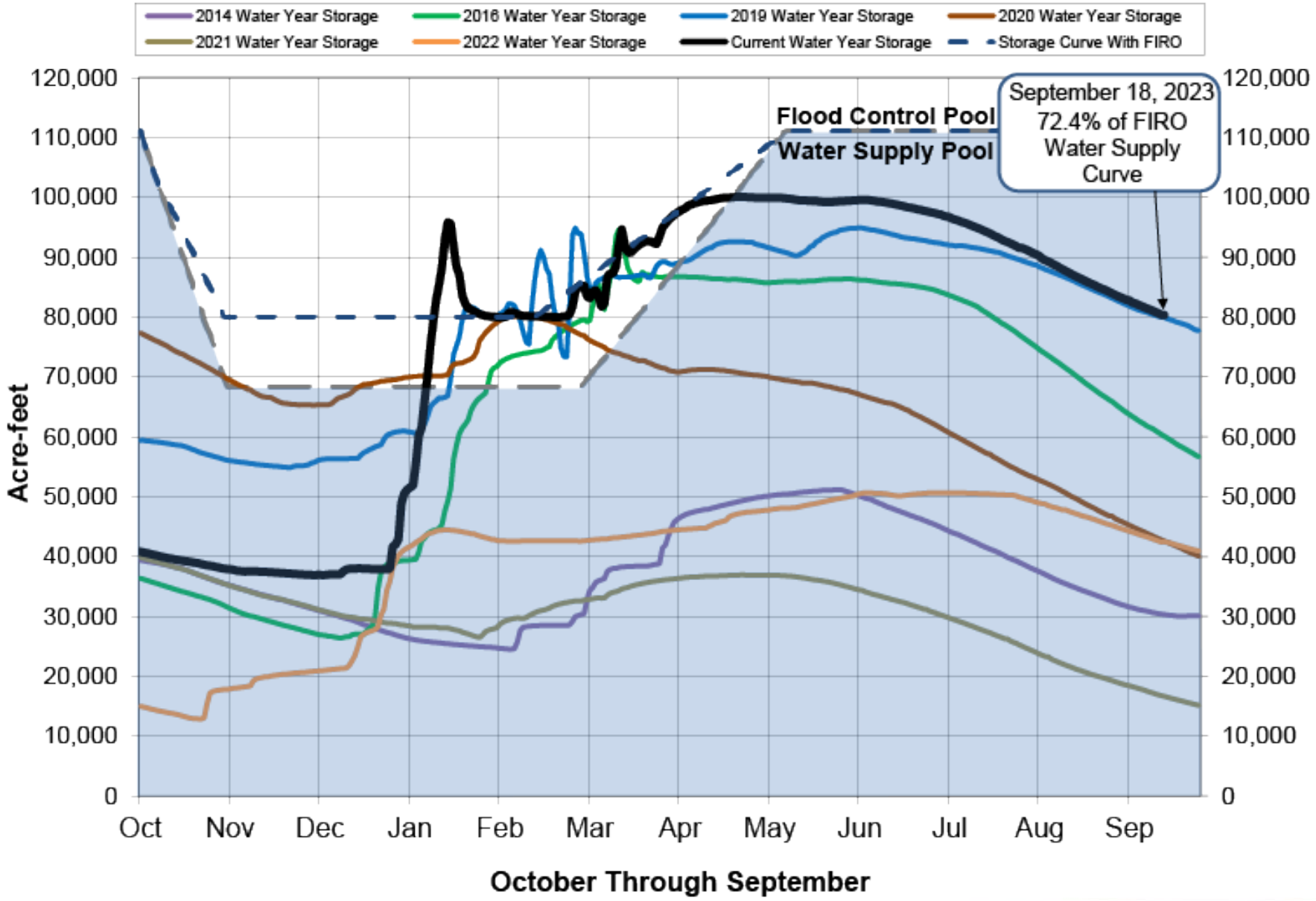
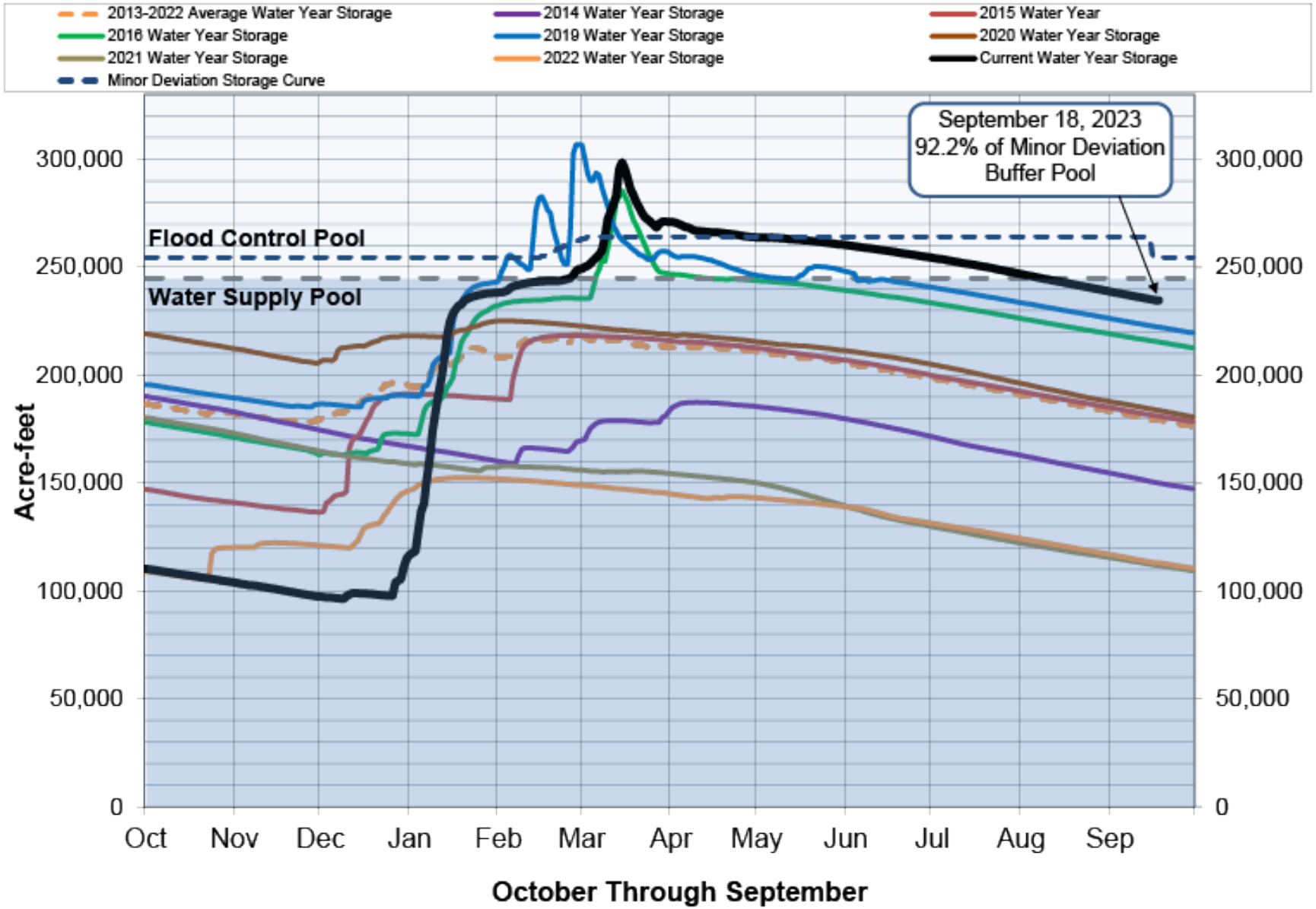

Lake Pillsbury Storage
2014 Water Year Storage
2016 Water Year Storage
2019 Water Year Storage
2020 Water Year Storage
2021 Water Year Storage
2022 Water Year Storage
Current Water Year Storage
Target Storage Curve B
September 16, 2023 76.5% of Target Storage Curve B
Acre-feet
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
October Through September

Lake Mendocino Storage



Lake Sonoma Storage



Direct Install Program Update

- RFQ deadline August 2
- 6 responsive plumbers (3 local)
- Since June 2023:
  - 1,500 toilet installs pre-approved
  - All of Phase 1 Funding ($1,500,000) has been committed
- Mid/late 2024, US Bureau of Reclamation funding (Phase 2) to be awarded - $1,800,000

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"Making Water Conservation a California Way of Life"

- 2018 Legislation: Long-Term Framework
  - Directed the State Water Board to adopt:
    - Water use efficiency standards
    - Performance measures for commercial, industrial and institutional water use
- Requires Urban Retail Water Suppliers to meet an agency-specific urban water use objective starting in 2027; begin annual reporting in 2024

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Proposed Urban Water Use Objective

Indoor Residential Water Budget

+

Outdoor Residential Water Budget

+

CII-DIM Outdoor Water Budget

+

Water Loss Threshold

+

Adjustments if applicable:

Variances, Temporary Provisions, and/or Bonus Incentive

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Indoor Residential Standard

Year	Standard (gallons per capita per day)
Present - 2025	55
2025 - 2029	47
2030 +	42

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Outdoor Standard: Residential and Dedicated Irrigation Meters

Residential

- Based on DWR provided aerial footage from 2018

Dedicated Irrigation Meters

- Based on staff developed landscape measurements

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Water Loss Standard

Performance related standard based on water system characteristics and baseline water loss audit data submitted beginning in 2016 as required by SB 555 Legislation (2014)

System-Specific Standard
Gallons Per Connection per Day
(or Gallons Per Mile per Day)

*

Connections
Number of connections
served by Supplier

*

365
Number of days
in the year

=

Water loss Budget
Gallons Per Year

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Performance Measures: Commercial, Industrial, and Institutional

Jan. 1, 2025

Identify all disclosable buildings in in suppliers' service areas (>50,000 sq. ft.).

July 1, 2025

Ban the irrigation of non-functional turf on CII landscapes.

20% by 2026 + 60% by 2028 + 100% by 2030

- **Classify all CII customers** in accordance with ENERGY STAR Portfolio Manager's categories.
- **Identify all CII large landscapes that have mixed-use meters** and either **install DIM or employ in-lieu technologies** for large landscapes.
- **Design and implement a conservation program** for customers at or above the 80th percentile for water use in each classification category that includes a best management practice for five categories: outreach, technical assistance and education; incentive; landscape; collaboration and coordination; operational.

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State Water Board Rulemaking

- Notice and regulations were released August 18, 2023
- SWRCB Public Workshop will be held on October 4, 2023
- Public Comments are due on October 17, 2023
- SWRCB to finalize regulations in mid/late 2024

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Next Steps

- Staff reviewing regulations and determining comments
- Santa Rosa Water will be presenting at October 4th SWRCB Public Workshop
- Staff will continue to follow rulemaking and keep Board updated

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Questions?

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