

State Mandated Water Restrictions

How do they Effect You?

May 28, 2015

City of Healdsburg

What Will we be Discussing?

1. Where do we get our water?
2. Current Water Supply Levels
3. Drought
4. State Requirements
5. City Requirements
6. Water User Requirements
7. Current Restrictions
8. How will we Reach our Target?

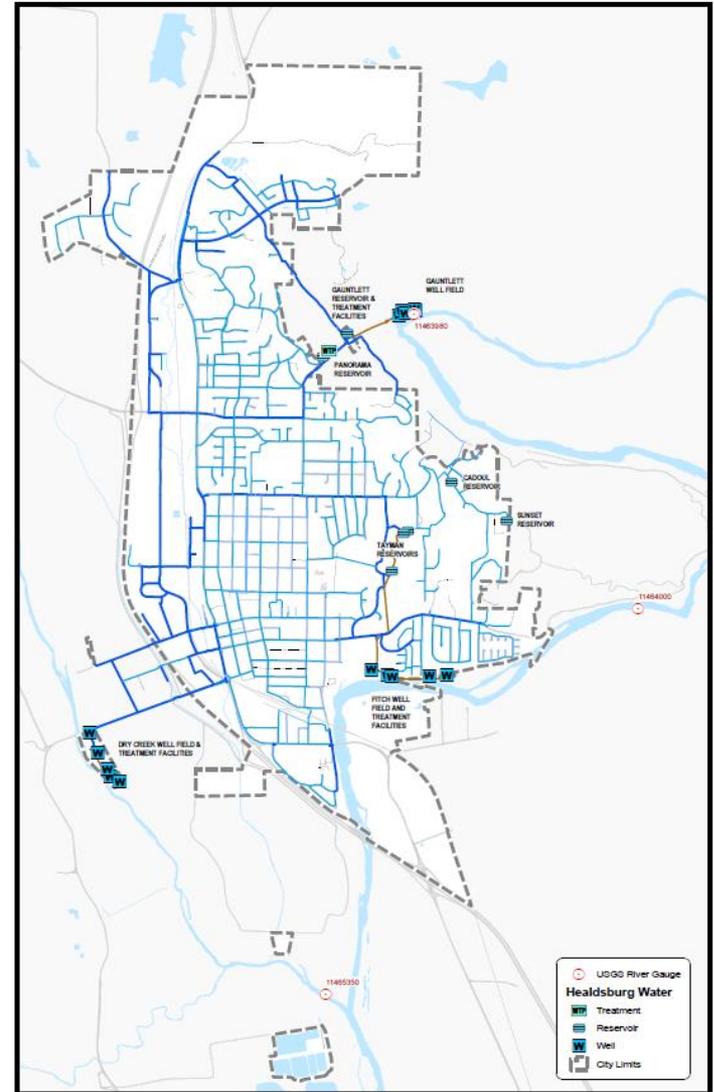
Water Supply

- 💧 Overview of City's Water Supply Picture
- 💧 Lake Mendocino and Sonoma Levels



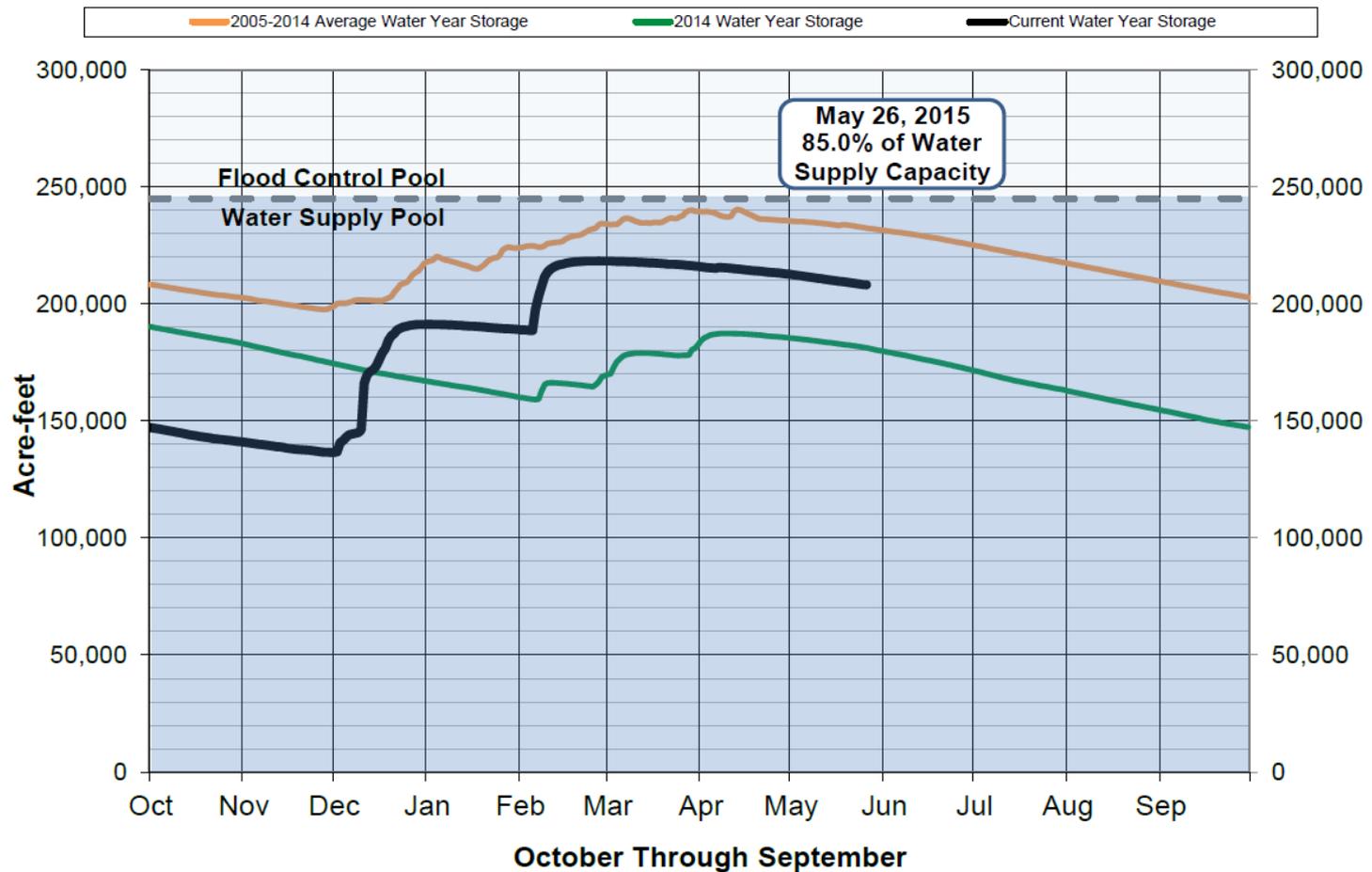
Healdsburg Water System

- Water production from:
 - Gauntlett Wells
 - Fitch Wells
 - Dry Creek
- Gauntlett & Fitch are sourced from water rights on the Russian River.
- Dry Creek is sourced from seasonal water rights of Dry Creek.



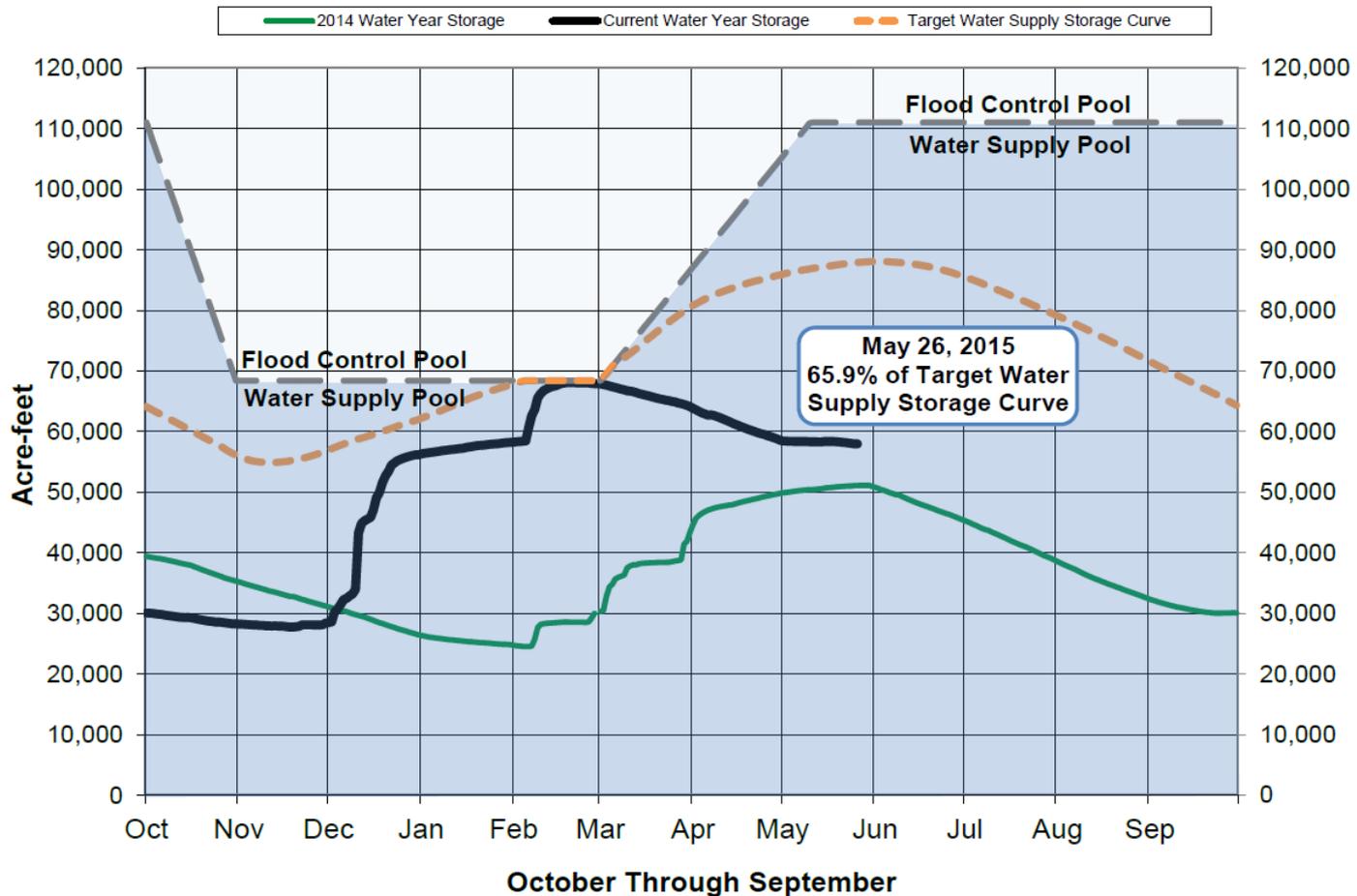
Current Water Levels - Lake Sonoma

Lake Sonoma Water Supply Storage



Current Water Levels - Lake Mendocino

Lake Mendocino Water Supply Storage



Drought Response - Timeline

- 🔹 January 2014: State Water Resources Control Board (State Board) issues water restrictions
- 🔹 January 21, 2014: City Council updates Water Shortage Emergency Plan and Enacts Stage 2 Mandatory Conservation Measures
- 🔹 March 17, 2015: State Board extends and expands water restrictions
- 🔹 April 1, 2015: Governor Jerry Brown issues an Executive Order mandating 25% water conservation
- 🔹 May 5, 2015: State Board adopts Emergency Regulation

Requirements of Emergency Regulation

- Expand water restrictions
- Reduce as compared to 2013 usage
- Major focus on outdoor water use
- Developed tiered water conservation standard
 - Based on urban water supplier's July-September 2014 Residential Gallons Per Capita Per Day (R-GPCD) usage
 - 127 R-GPCD for Healdsburg
- 24% reduction on month over month comparison

Tier	R-GPCD Range		# of Suppliers in Range	Conservation Standard
	From	To		
1	reserved		0	4%
2	0	64.9	23	8%
3	65	79.9	24	12%
4	80	94.9	44	16%
5	95	109.9	51	20%
6	110	129.9	48	24%
7	130	169.9	82	28%
8	170	214.9	54	32%
9	215	612.0	85	36%

How will the State be measuring Compliance?

- 💧 Monthly water reports to State
- 💧 With June 2015 reporting (submitted in July), State will review achieved conservation.
- 💧 If we don't achieve the target 24%:
 - ◆ Issue an Informational Order – determine what programs we already have in place
 - ◆ Issue a Conservation Order – outlining additional programs and steps we should take to achieve our target
 - ◆ Issue a Cease and Desist Order – fines of \$10,000 per day

What will the City be Doing?

- 💧 Reducing the City's water usage
- 💧 Requiring compliance with Stage 2 Mandatory Conservation Measures and State Mandates
- 💧 Enforcement procedures to ensure compliance

- 💧 As of now, the City will not be:
 - ◆ Analyzing bills to monitor for 24% conservation
 - ◆ Water rationing

What does this mean for *You*?

- 💧 Reduce usage by at least 24%
- 💧 Any combination of indoor and outdoor conservation
- 💧 Average 2013 usage: 118 R-GPCD
- 💧 Target 2015 Usage: 90 R-GPCD
- 💧 Compliance with water restrictions

Current Drought Restrictions in Healdsburg

- 💧 **NEW:** Outdoor irrigation can only be applied on Tuesdays and Fridays.
 - ◆ Exceptions: Fruit trees and vegetable gardens
- 💧 Outdoor irrigation water may not be applied between the hours of 7am and 8pm
- 💧 Routinely inspect for and repair irrigation leaks
- 💧 Correct and repair plumbing leaks within 72 hours of discovery or notification
- 💧 Adjust irrigation valve run-time to account for fluctuations in weather and to avoid runoff.

Current Drought Restrictions in Healdsburg

💧 Prohibited Uses:

- ◆ Use of water from a fire hydrant for non emergency uses
- ◆ Use of potable water for construction purposes
- ◆ Filling or refilling of swimming pools
- ◆ Washing of sidewalks, walkways, driveways, and other hard-surfaced areas
- ◆ Washing motor vehicles without using a hose equipped with an automatic shut-off

Expanded Restrictions from State

- ❖ Irrigating turf or ornamental landscapes during and 48 hours following measureable precipitation is prohibited
- ❖ Water may only be served upon request at restaurants and other food/beverage service establishments
- ❖ Operators of hotels/motels must provide guests with the option of choosing not to have towels and linens laundered daily
- ❖ Irrigating ornamental turf on public street medians with potable water is prohibited
- ❖ Limit outdoor irrigation to two days per week

How will we Achieve 24%?

- 💧 Increase educational outreach
- 💧 Increase enforcement measures, especially for outdoor irrigation.
- 💧 Reduce allowed outdoor irrigation to two days per week.
- 💧 Implement an urban reuse hauling program similar to EBMUD (dependent on NCRWQCB approval).
- 💧 Increase the incentive for the City's lawn conversion program.
- 💧 Convert more of the City owned lawns to drought tolerant plantings.

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- 💧 Provide reduced-cost irrigation audits and free in home water audits.
 - 💧 Provide free direct install toilets for higher GPF toilets.
 - 💧 Implement direct install programs for low income housing.
 - 💧 Continue the City's rebate programs (clothes washers, toilets, smart irrigation timers)
 - 💧 Increase use and awareness of rain water and grey water systems.
 - 💧 Work with hotels and restaurants to implement the Governor's executive order.
 - 💧 Implement rate structures that incentivize conservation.
 - 💧 Enforcement

What will Enforcement Look like?

- 💧 Number 1 priority: Compliance, not fines
- 💧 Notification of water overuse – violation of water restrictions
- 💧 Letter or door tag
- 💧 2 warnings
- 💧 Issue fine - \$1,000
- 💧 Loss of service

- 💧 **Report Water Overuse: 707-431-7000**

How Does a billing unit relate to a Gallon?

- 💧 Water meters measure usage in hundred cubic feet (CCF, HCF)
- 💧 1 CCF = 100 CF = 748 gallons
- 💧 1 CF = 7.48 gallons

- 💧 If you use 4 CCF in a month, your usage is 2,992 gallons
- 💧 50 R-GPCD, for a household with 2 people (30 day month)
- 💧 If you use 26 CCF, 19,448 gallons
- 💧 324 R-GPCD, for a household with 2 people (30 day month)

How can you hit your target?

- 💧 Be conscious of your water usage – turn it off if it's not needed
- 💧 Read your meter
- 💧 Look for, and repair, leaks
- 💧 Install water saving fixtures
- 💧 Review your landscaping and irrigation system
- 💧 Participate in rebate programs
- 💧 Attend workshops
- 💧 Ask questions

Rebate Programs - Indoor

💧 Direct Install Toilet:

- ◆ Homes/buildings built before 1992
- ◆ Toilets >3.5 gpf
- ◆ Up to two 0.8 gpf toilets (or 0.5 gpf urinals)

💧 Low flow Toilet Rebate:

- ◆ \$110 per toilet
- ◆ 1.28 gpf, WaterSense Product List



💧 Clothes Washer

- ◆ \$50 water rebate (\$75 electric rebate)
- ◆ CEE Tier 3 rating



💧 Water Audit

Rebate Program - Outdoor

💧 Lawn Conversion:

- ◆ Requires application, pre- and post-conversion inspection
- ◆ \$1/ft² , 5,000 ft² residential; 10,000 ft² commercial

💧 Irrigation System Audit:

- ◆ Inspect existing system, make adjustments and minor repairs
- ◆ Provide a report to home owner outlining items to address now and in the future, provide information about rebate programs
- ◆ Cost sharing program - \$75 from City

💧 Irrigation System Equipment:

- ◆ Weather and water sensing controllers; Pressure regulating equipment; Point applicators
- ◆ \$100 per qualifying upgrade ²¹

Yard Signs!



FREE Community Water Conservation Workshops

- 💧 May 20th – How to Inspect & Evaluate the Performance of your Current Irrigation System *provided by GardenWorks*
- 💧 May 28th – How Will Mandatory Water Restrictions Impact you? *provided by City of Healdsburg*
- 💧 June 3rd – Basic Principles of Drought Tolerant Landscaping *provided by GardenWorks*
- 💧 June 10th – Landscape Water Budgeting and Irrigation Efficiency *provided by GardenWorks*
- 💧 Location: Community Development Center (behind City Hall)
- 💧 Workshop Times: 5:30pm to 7:30pm

FREE Community Water Conservation Workshops

💧 Practical Solutions to Create a Water-Wise Home Series *provided by Daily Acts*

- ◆ Water Conservation 101
- ◆ Indoor Solutions
- ◆ Outdoor Solutions
- ◆ Home-Scale Graywater and Rain Water Systems

💧 Location: Foss Creek Community Center

💧 Dates and times will be announced

Connect with Us!

💧 Facebook

- ◆ Smart Living Healdsburg
- ◆ Parks and Rec

💧 New Website coming June 1st

💧 Twitter and Instagram arriving soon!



SMART LIVING



Thank you!

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