Water Supply Update

Board of Public Utilities Meeting July 20, 2023

Peter Martin – Deputy Director Water Resources



PG&E FERC Variance – Summer Operations

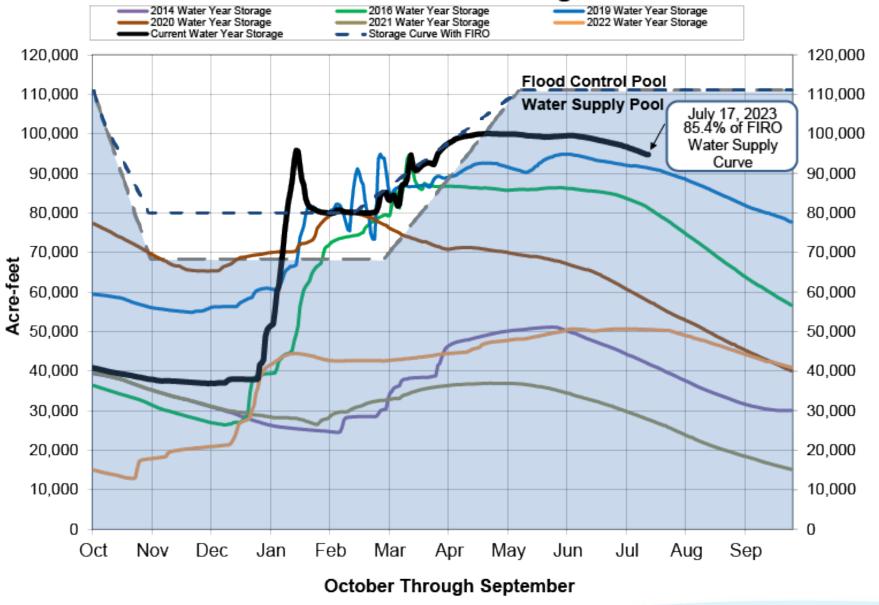
- Variance impacts to Russian River: Minimum flow releases to the East Fork of the Russian River reduced from 75 cfs to 25 cfs, as required by FERC during a dry water year
- Flexibility to adjust these flows to critically dry year releases of 5 cfs if daily average Lake Pillsbury release water temperatures exceed 16° Celsius
- In effect until Lake Pillsbury storage exceeds 36,000 acre feet following October 1, 2023
- PG&E developing long-term flow regime to assure compliance of environmental requirements with the spill gates remaining open permanently



Lake Pillsbury Storage 2016 Water Year Storage 2014 Water Year Storage 2019 Water Year Storage 2020 Water Year Storage 2021 Water Year Storage 2022 Water Year Storage Current Water Year Storage 100,000 100,000 July 16, 2023 90,000 90,000 69.1% of Target Storage Curve B **Target Storage** 80,000 80,000 Curve B 70,000 70,000 60,000 60,000 Acre-feet 50,000 50,000 40,000 40,000 30,000 30,000 20,000 20,000 10,000 10,000 0 0 Oct Sep Nov Dec Feb Mar Apr May Jan Jun Jul Aug

October Through September

Lake Mendocino Storage



Lake Sonoma Storage - 2013-2022 Average Water Year Storage 2015 Water Year 2016 Water Year Storage 2019 Water Year Storage 2020 Water Year Storage ------ 2021 Water Year Storage 2022 Water Year Storage Current Water Year Storage - Minor Deviation Storage Curve July 17, 2023 95.0% of Minor 300,000 300,000 Deviation Buffer Pool Flood Control Pool 250,000 250,000 Water Supply Pool 200,000 200,000 **Acre-feet** 120,000 150,000 100,000 100,000 50,000 50,000 0 Oct Nov Dec Feb Mar Apr May Aug Jan Jun Jul Sep

October Through September

Sonoma Water Operations: TUCO

- Temporary Urgency Change Order Issued by the State Water Resources Control Board on May 19
- Compliance with the 2008 Russian River Biological Opinion
- Term: May 1 October 15
- Water Supply Conditions are NORMAL, minimum instream flow requirements are:
 - -Upper Russian River: reduced from 185 cfs to 125 cfs
 - -Lower Russian River: reduced from 125 cfs to 70 cfs



July is Smart Irrigation Month

- Irrigation scheduling tool
- Water smart plant picker

	Very Low Water Use			Low Water Use		
						Ì
Irrigation Type	Drip Emitters	Inline Drip	Micro Spray	Drip Emitters	Inline Drip	Micro Spray
Run Time (Minutes)	19	10	6	29	14	10
Cycles Per Day	1	1	1	1	2	2
Days Per Week	1	1	1	2	1	1
Total Weekly Run Time (Minutes)	19	10	6	58	28	20

https://www.savingwaterpartnership.org/





Zero Waste Week: Santa Rosa Sponsored Events

Streamside Creek Protector Adventure Day (Ages 5+)

Thursday, July 27 | 9 a.m. - Noon | 4271 Streamside Drive

Laguna Treatment Plant Tours

Tuesday, July 25 | 11:00 a.m. - 12:0 p.m. | Wednesday, July 26 | 1:00 - 2:30 p.m. |

REGISTER AT: srcity.org/zerowasteweek

REGIONAL INFO: zerowastenorthbay.org



Workshop: Tree Care During Climate Change Webinar



Tuesday August $8^{th} - 6:00 - 7:30 \text{ pm}$

REGISTER AT: srcity.org/workshops

Join this FREE program to learn about:

- The ecological value that trees provide
- How to care for trees to maximize health and save water during times of drought
- How planting trees can help to reduce the impacts of climate change



Questions?

