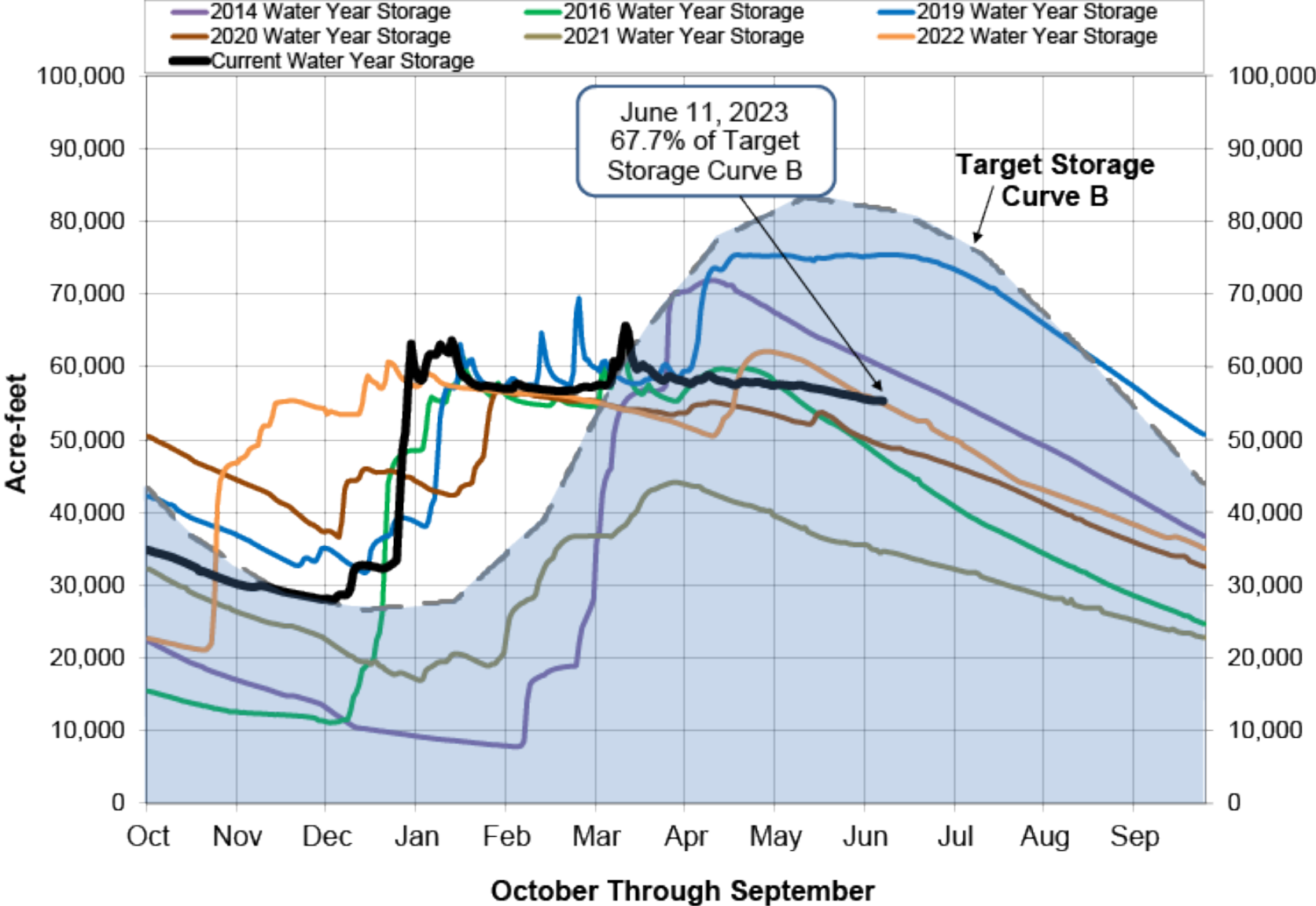


Water Supply Update

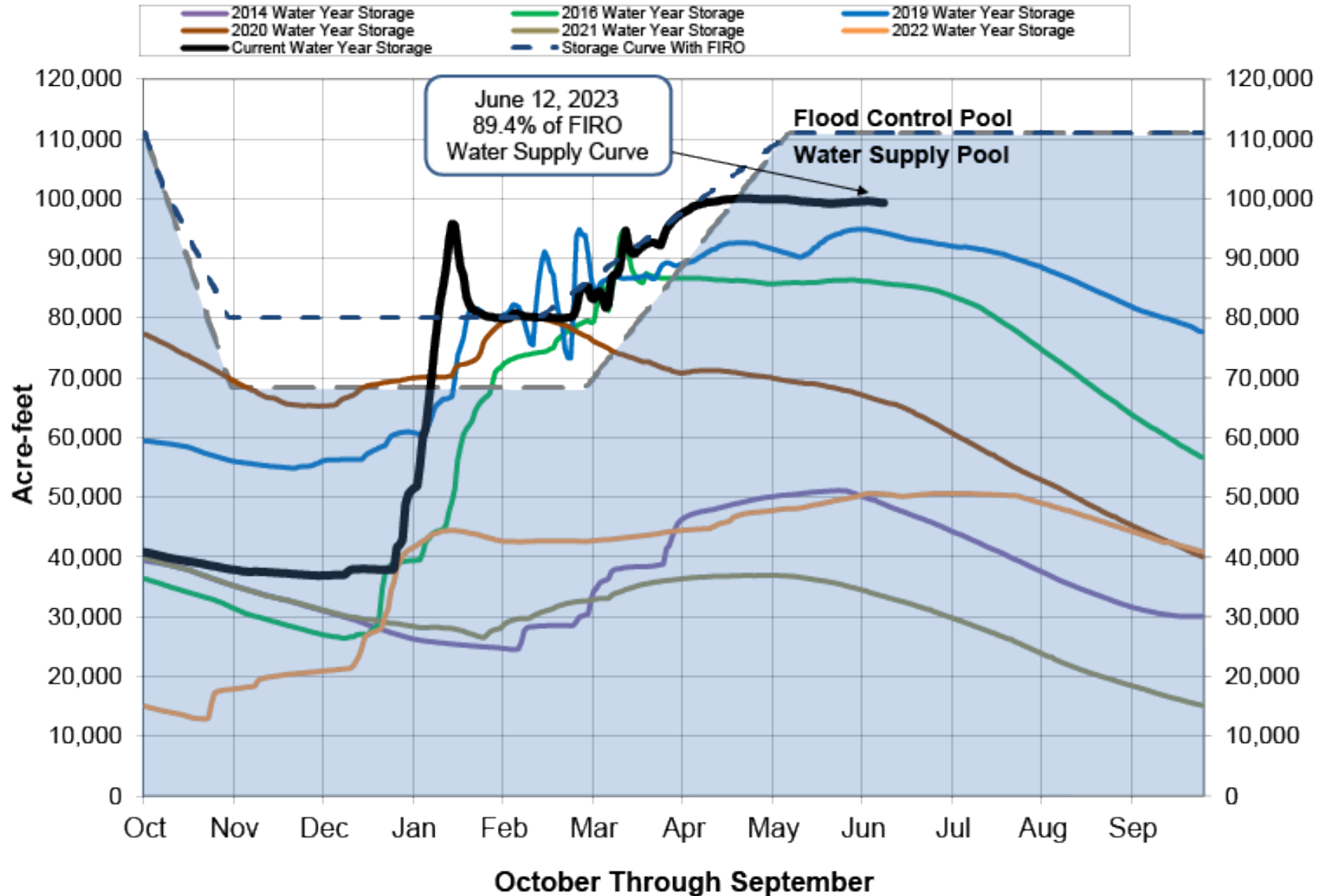
Board of Public Utilities Meeting
June 15, 2023

Peter Martin – Deputy Director Water Resources
Colin Close – Senior Water Resources Planner

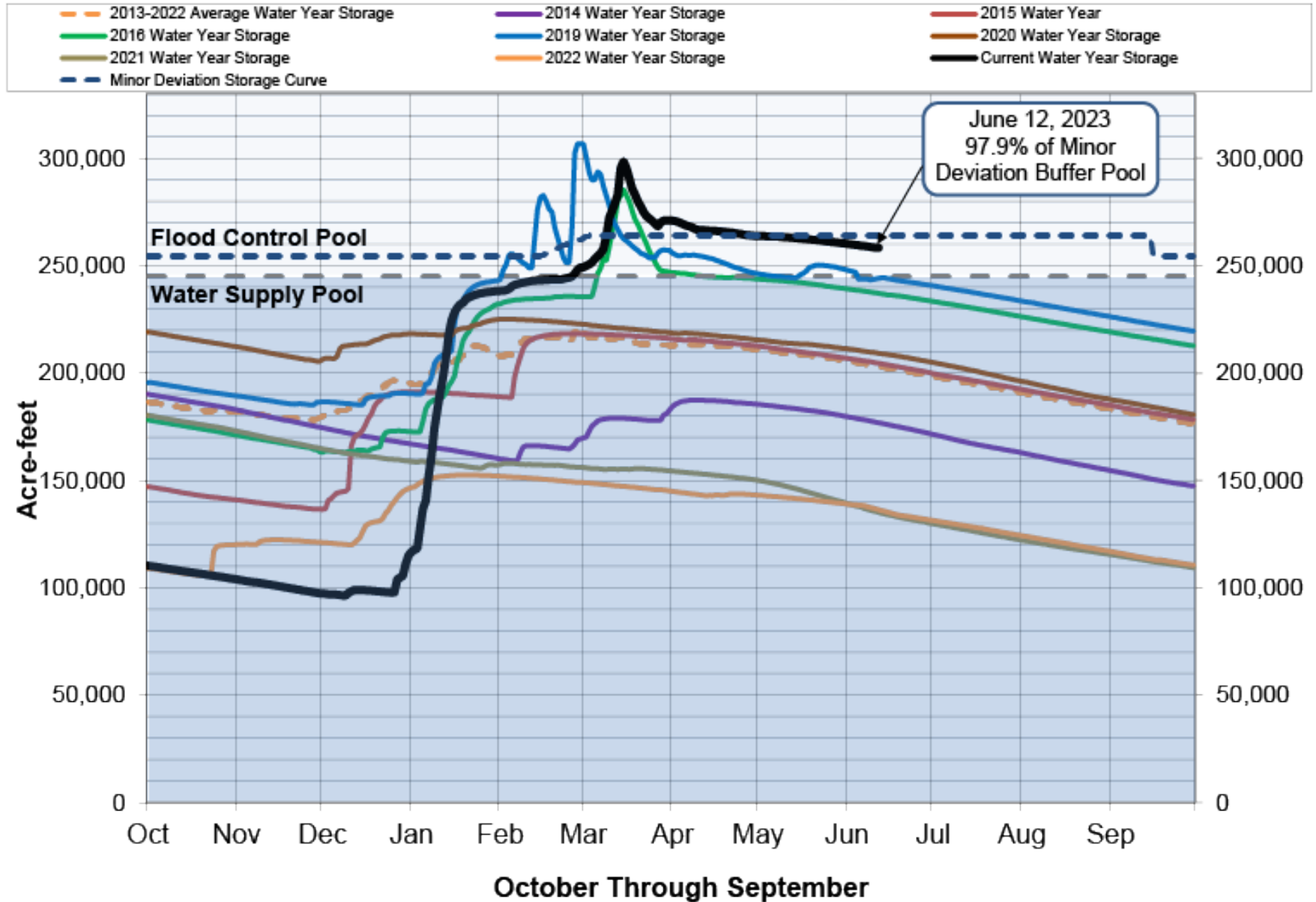
Lake Pillsbury Storage



Lake Mendocino Storage



Lake Sonoma Storage



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 will be **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

2023 Summer Outreach Campaign Preview

- Sprinkler spruce up
- Irrigation scheduling tool
- Water smart gardens maintenance manual
- Water smart plants



Upcoming Events

Water Smart Expo: June 28th, 5 - 8 pm

- Wednesday Night Market – Courthouse Square

Summer on the Square: Fridays, 6/16 - 7/28, 6 pm

- Courthouse Square

Live at Juilliard: Sundays, 7/16 – 8/20, 5 - 7 pm

- Juilliard Park



OUR FUTURE IN EVERY DRÖP

water smart EXPO

JUNE 28 2023 **5:00-8:30PM**
DOWNTOWN SANTA ROSA
OLD COURTHOUSE SQUARE
WEDNESDAY NIGHT MARKET

- **Pick-up** free water-saving devices
- **Ask** an expert about sustainable landscaping
- **View** demonstrations of graywater and rainwater harvesting systems
- **Discover** native/drought tolerant plants
- **Learn** how to check your toilets for leaks

 srcity.org/WaterSmartExpo

Annual Water Shortage Assessment Report

CA Water Code Section 10632.1

Urban water suppliers must:

- Assess supply versus “unconstrained” (ordinary) demand for upcoming year (Jul 1 – June 30).
- Assume the upcoming year will be dry.
- If water shortage is anticipated, include a list of shortage response actions to be implemented.
- Submit Annual Water Shortage Assessment Report (tables) to DWR by July 1st.



1st Step

Estimate Unconstrained Water Demand for FY 2024

Unconstrained demand

- Estimate of ordinary demand if upcoming year has normal rainfall (no drought restrictions on water use)
- Estimate demand for FY 2023-24 (Jul 2023-Jun 2024).
- City assumptions:
 - Population growth 0.5% per year
 - Gallons per capita per day rebounds to 2020 level (pre-drought)



2nd Step

Assess Water Supply for FY 2024

State mandate for assessment: Assume dry year

Sonoma Water

- Used driest year on record (1977) and current water supply to conduct hydrologic modeling
- Determined supply would be adequate to meet unconstrained demands

Santa Rosa Water

- 16 years of data show wells consistently produce 7% of demand, even in dry years.
- 14 years of data show Regional Recycled System can easily meet demands of urban sites (<1% of total recycled water production), even in dry years.



3rd Step

Compare FY 2023-24 Estimated Demand vs Supplies

POTABLE DEMAND



POTABLE SUPPLY

19,251 Acre Feet (AF)

17,903 AF - Sonoma Water

+1,358 AF - City Wells

19,251 AF

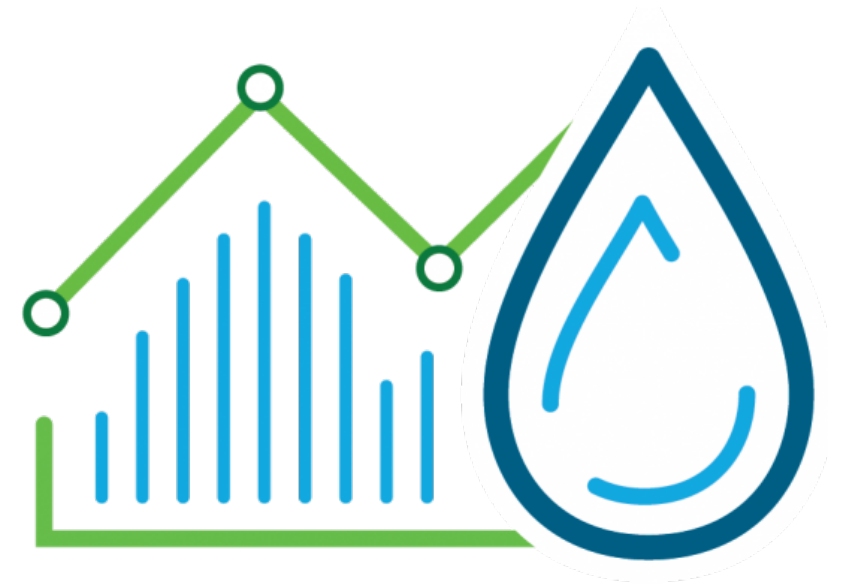
RECYCLED DEMAND



RECYCLED SUPPLY

140 AF

140 AF



4th Step

Complete Annual Shortage Report

Dept of Water Resources required tables

- Table 1. Supplier Information
- Table 2. Water Demands
- Table 3. Water Supplies
- Table 4. Water Shortage Assessment
- Table 5. Planned Shortage Response Actions (if shortage projected)



Table 1. Annual Assessment Information

Annual Assessment Information	
Year Covered By This Shortage Report (Required)	
Start: July 1,	2023
End: June 30,	2024
Volume Unit for Reported Supply and Demand: <i>(Must use the same unit throughout)</i>	AF
Supplier's Annual Assessment Planning Cycle (Required)	
Start Month:	July
End Month:	June
Data Interval:	Annually (1 data point per year)
Water Supplier's Contact Information (Required)	
Water Supplier's Name:	City of Santa Rosa
Contact Name:	Peter Martin
Contact Title:	Deputy Director of Water Resources
Street Address:	69 Stony Circle, Santa Rosa, CA
ZIP Code:	95401
Phone Number:	(707)543-4200
Email Address:	Pmartin@srcity.org
Report Preparer's Contact Information <i>(if different from above)</i>	
Preparer's Organization Name:	City of Santa Rosa
Preparer's Contact Name:	Colin Close
Phone Number:	(707)543-4524
Email Address:	cclose@srcity.org
Supplier's Water Shortage Contingency Plan	
WSCP Title	2020 Water Shortage Contingency Plan
WSCP Adoption Date	06/08/2021 and amended 11/30/2021

Table 2: Water Demands¹

Use Type		Start Year: 2023 Volumetric Unit Used ² AF													
Drop-down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool (Add additional rows as needed)	Additional Description (as needed)	Level of Treatment for Non-Potable Supplies Drop-down list	Projected Water Demands - Volume ³												
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total by Water Demand Type
Demands Served by Potable Supplies															
Single Family														9,515.03	9,515
Multi-Family														3,387.73	3,388
Commercial														2,292.31	2,292
Institutional/Governmental														348.54	349
Industrial														336.53	337
Landscape														1,844.69	1,845
Other Potable														197.85	198
Losses														1,328.32	1,328
Total by Month (Potable)			0	0	0	0	0	0	0	0	0	0	0	19,251	19,251
Demands Served by Non-Potable Supplies															
Landscape		Tertiary												140	140
Total by Month (Non-Potable)			0	0	0	0	0	0	0	0	0	0	0	140	140

Table 3: Water Supplies¹

Water Supply	Start Year:	2023	Volumetric Unit Used ² :											AF	Water Quality Drop-down List	Total Right or Safe Yield* (optional)		
Drop-down List May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool (Add additional rows as needed)	Additional Detail on Water Supply	Projected Water Supplies - Volume ³												Total by Water Supply Type				
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun					
Potable Supplies																		
Purchased/Imported Water	Sonoma Water														17,903	17,903		
Groundwater (not desal.)	City wells														1,348	1,348		
	Total by Month (Potable)	0	0	0	0	0	0	0	0	0	0	0	0	0	19,251	19,251		0
Non-Potable Supplies																		
Recycled Water	City Regional System														140	140	Tertiary	
	Total by Month (Non-Potable)	0	0	0	0	0	0	0	0	0	0	0	0	0	140	140		0

Table 4(P): Potable Water Shortage Assessment ¹					Start Year: 2023			Volumetric Unit Used ² : AF					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun ³	Total
Anticipated Unconstrained Demand	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,251.0	19,251.0
Anticipated Total Water Supply	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,251.0	19,251.0
Surplus/Shortage w/o WSCP Action	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Surplus/Shortage w/o WSCP Action												0%	0%
State Standard Shortage Level	0	0	0	0	0	0	0	0	0	0	0	0	0
Planned WSCP Actions													
Benefit from WSCP: Supply Augmentation													0.0
Benefit from WSCP: Demand Reduction													0.0
Revised Surplus/Shortage with WSCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Revised Surplus/Shortage with WSCP												0%	0%

¹Assessments are based on best available data at time of submitting the report and actual volumes could be different due to many factors.

Table 4(NP): Non-Potable Water Shortage Assessment ¹					Start Year: 2023			Volumetric Unit Used ² : AF					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun ³	Total
Anticipated Unconstrained Demand: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.0	140.00
Anticipated Total Water Supply: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.0	140.0
Surplus/Shortage w/o WSCP Action: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Surplus/Shortage w/o WSCP Action: Non-Potable												0%	0%
Planned WSCP Actions													
Benefit from WSCP: Supply Augmentation													0.0
Benefit from WSCP: Demand Reduction													0.0
Revised Surplus/Shortage with WSCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Revised Surplus/Shortage with WSCP												0%	0%

Table 5: Planned Water Shortage Response Actions

July 1, 2023

to June 30, 2024

Anticipated Shortage Level Drop-down List of State Standard Levels (1 - 6) and Level 0 (No Shortage)	ACTIONS: Demand Reduction, Supply Augmentation, and Other Actions. (Drop-down List) These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.	Is action already being implemented? ? (Y/N)	How much is action going to reduce the shortage gap?		When is shortage response action anticipated to be implemented?	
			Enter Amount	(Drop-down List) Select % or Volume Unit	Start Month	End Month
<i>Add additional rows as needed</i>						
0 (No Shortage)	No Actions					



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LOOKING FOR SUBMITTED MWELOs? [CLICK HERE](#)

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Urban Water Management - DWR Population Tool and UWMP Electronic Reporting
Urban Water Use Efficiency - Validated Water Loss Audit Electronic Reporting
Model Water Efficient Landscape Ordinance (MWELO) Electronic Reporting

QUESTIONS / ISSUES? CONTACT THE WUEDATA HELP DESK
MWELO QUESTIONS / ISSUES? CONTACT THE [MWELO HELP DESK](#)

Final Step

Submit to State via online portal by July 1, 2023