

Amended 2020 Water Shortage Contingency Plan

City Council

November 30, 2021



Presented by Colin Close
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California Urban Water Management Planning Act

Who: Urban water retailers (at least 3,000 connections or 3,000 acre-feet/year)

What: Assess long-term water supply adequacy and reliability (at least 20-year horizon).

Prepare separate plan for responding to water shortages.

When: Every 5 years

Can amend between 5-year cycles as needed.

Most recently versions by Council on June 8, 2021

- 2020 Urban Water Management Plan
- 2020 Water Shortage Contingency Plan



What is a Water Shortage Contingency Plan?

Preparation for water shortages

- Required by CA regs
- Must be a “stand alone” document
- Defines shortage levels and corresponding actions
- Updated every 5 years
- Can be amended as needed by water supplier

Operational Plan

- Outreach & education
- Customer service & assistance
- Prohibitions & restrictions
- Compliance & enforcement
- Monitoring & reporting

2020 Shortage Plan - Shortage Stages

(adopted by Council on Jun 8, 2021)

Supply Shortage	Shortage Stage	Reduction Target	Program Type
Up to 10%	Stage 1	10%	Voluntary
11 – 15%	Stage 2	15%	Mandatory
16 – 20%	Stage 3	20%	Mandatory
21 – 25%	Stage 4	25%	Mandatory
26 – 30%	Stage 5	30%	Mandatory
31 – 40%	Stage 6	40%	Mandatory
41 – 50%	Stage 7	50%	Mandatory
Over 50%	Stage 8	Over 50%	Mandatory

2020 Shortage Plan - Water Allocations

(adopted by Council on Jun 8, 2021)

Sector	Stage 5	Stage 6	Stage 7	Stage 8
Single Family	40 gpcd + 2,000 gal/mo May-Oct	36 gpcd + 1,000 gal/mo May-Oct	32 gpcd	28 gpcd
Multi-family	40 gpcd + mod landscape May-Oct	36 gpcd + min landscape May-Oct	32 gpcd	28 gpcd
Commercial, Industrial, & Institutional	85% of previous 12 months use	80% of previous 12 months use	75% of previous 12 months use	70% of previous 12 months use
Irrigation	40% of ET_o	20% of ET_o	10% of ET_o	No allocation
Health & Safety	95% of previous 12 months use	90% of previous 12 months use	85% of previous 12 months use	80% of previous 12 months use
<p><i>gpcd = gallons per capita per day</i> <i>ET_o = Net Evapotranspiration</i></p>				

2020 Shortage plan - Excess Use Penalty to Enforce Water Allocations (adopted by Council on Jun 8, 2021)

Shortage Stage	Demand Reduction Target	Penalty for use 101 – 150 percent over consumption limit	Penalty for use > 150 percent of consumption limit
Stage 5	30%	10%	20%
Stage 6	40%	25%	50%
Stage 7	50%	40%	80%
Stage 8	> 50%	50%	100%

Proposed Excess Use Penalty Structure

Shortage Stage	Demand Reduction Target	Penalty per thousand-gallon unit (TGAL)	
		2 to 10 TGALs over allocation	> 10 TGALs over allocation
Stage 5	30%	\$5.00	\$10.00
Stage 6	40%	\$10.00	\$20.00
Stage 7	50%	\$20.00	\$40.00
Stage 8	> 50%	\$40.00	\$80.00

2020 Shortage Plan Water Demand Offsets

Adopted by Council on June 8, 2021:

Shortage Stage	Offset Required
Stage 5	100% offset
Stage 6	200% offset
Stage 7	300% offset
Stage 8	400% offset

Proposed offset requirement:

Shortage Stage	Offset Required
Stage 5 - 8	100% offset



Summary of Amendments

srcity.org/UWMP

Excess Use Penalty Structure

- Section 5.2.8, Table 5-2, Table 5-3, Table 9-3, Table 9-5, Appendix B, Appendix C, Appendix E

Offset Requirement

- Section 5.2.3.3, Table 5-3, Table 5-4, Appendix B, Appendix C

Public Notices – Appendix F

Signed Resolution – Appendix G



Recommendation

It is recommended by the Board of Public Utilities and Santa Rosa Water that the Council, by resolution, adopt the Amended 2020 Water Shortage Contingency Plan and introduce an ordinance approving revisions to the Excess Use Penalty structure set forth in Section 14-04.015 of the City Code.

QUESTIONS & COMMENT

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