

Revisions to City of Castroville Drought Contingency Plan

Key Changes

- Drought Surcharge – in Stage 3, 4 and 5, the city will impose a surcharge to encourage both residential and commercial customers with high water usage to conserve.

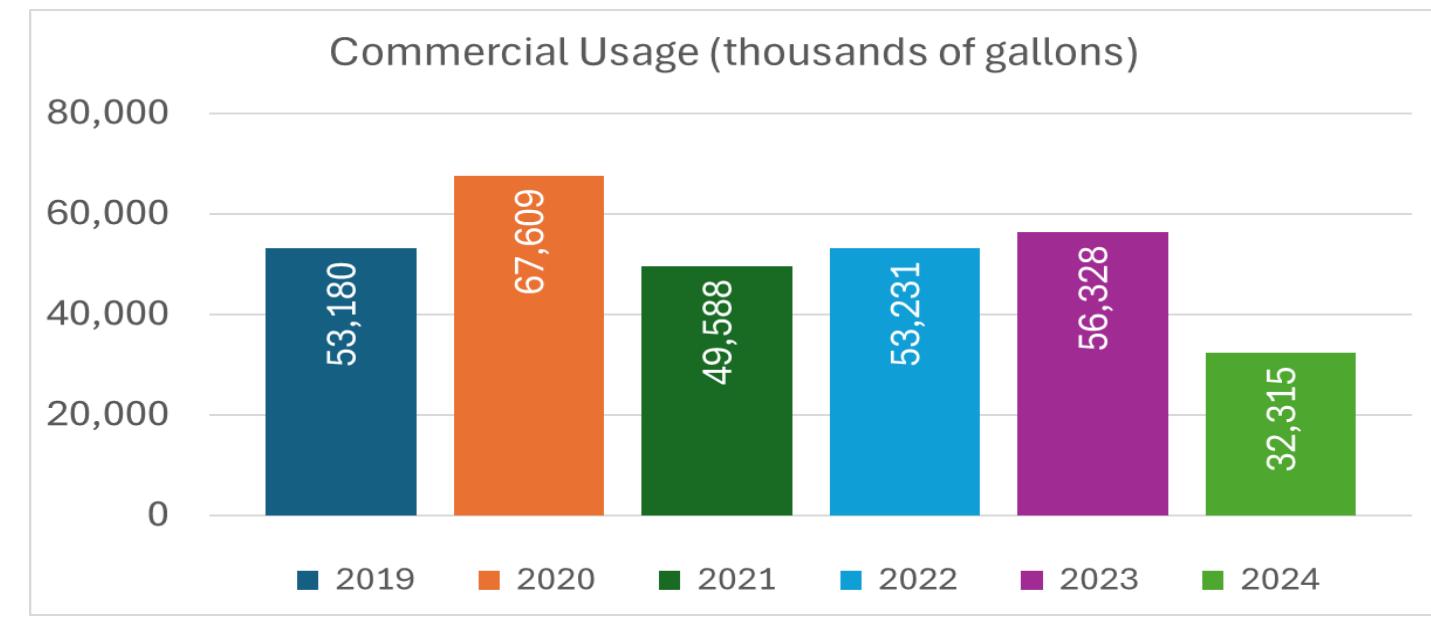
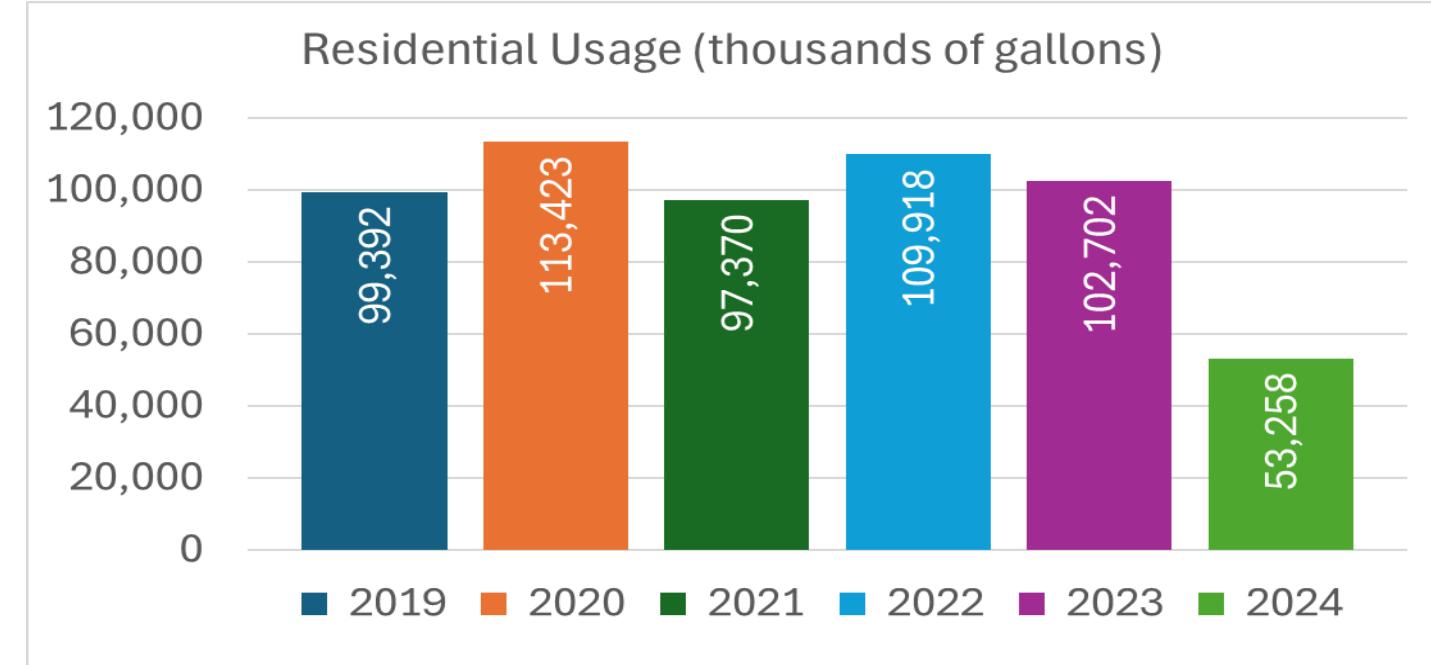
Customer Class	Stage 3 Threshold by	Stage 4 & 5 Threshold by
	gallons	gallons
Residential	20,000	12,000
Commercial	80,000	40,000

- Added specific water use reduction requirements when the City is in Stage 5
 - No water irrigation systems allowed, only watering with hand-held hose, bucket or watering can on the customer's designated watering day
 - Use of water to wash impervious surfaces is prohibited
 - Use of water to wash down buildings & structures is prohibited except for immediate fire protection
- Removed the prohibition for new water services in Stage 4

Key Data

- Average residential water usage is 5,000 gallons
- Average residential usage
 - Top 5% is $=/ > 40,000$
 - Top 10% is $=/ > 33,000$
 - 58% use less 9,000 gallons or less
- Average commercial usage
 - Top 5% is $=/ > 150,000$
 - Top 10% is $=/ > 80,000$
 - 61% use 9,000 gallons or less each month

NUMBER OF CUSTOMERS		
YEAR	RES	COM
2019	1,149	220
2020	1,152	228
2021	1,161	220
2022	1,170	234
2023	1,182	228
2024	1,230	233



Note: $99,392 \times 1,000 = 99,392,000$

Residential Water Bill Comparison

36,000 gallons usage - Stage 3 Water Reduction

Tier	Gallons Used	Rate
Tier 1	0-5,000	5.35
Tier 2	5,001-10,000	5.67
Tier 3	10,001-20,000	6.51
Tier 4	20,001-30,000	7.51
Tier 5	30,001-40,000	8.69
Tier 6	40,000-50,000	10.05
Tier 7	Over 50,000	11.44

The surcharge would be on the amount over the threshold

Proposed surcharge rate is \$7.89 per 1,000 gallons

Stage 3 threshold is 20,000 gallons

- Without Surcharge (August Bill)

		Customer Charge	30.00
Tier 1	5	5.35	26.75
Tier 2	5	5.67	28.35
Tier 3	10	6.51	65.10
Tier 4	10	7.51	75.10
Tier 5	6	8.69	52.14
			277.44

- With Surcharge

		Customer Charge	30.00
Tier 1	5	5.35	26.75
Tier 2	5	5.67	28.35
Tier 3	10	6.51	65.10
Tier 4	10	7.51	75.10
Tier 5	6	8.69	52.14
SURCHARGE	Over 20,000	16	7.89
			126.24
			403.68

Re Water Bill Comparison – 36,000 gallons usage - Stage 4 Watering Reduction

- Without Surcharge (August Bill)

		Customer Charge	30.00
Tier 1	5	5.35	26.75
Tier 2	5	5.67	28.35
Tier 3	10	6.51	65.10
Tier 4	10	7.51	75.10
Tier 5	6	8.69	52.14
			277.44

The surcharge would be on the amount over the threshold

Stage 4 & 5 threshold = 12,000 gallons

- With Surcharge

SURCHARGE	Over 12,00	Customer Charge	30.00
Tier 1	5	5.35	26.75
Tier 2	5	5.67	28.35
Tier 3	10	6.51	65.10
Tier 4	10	7.51	75.10
Tier 5	6	8.69	52.14
			189.36
			466.80

Commercial Water Bill Comparison – 98,000 gallons usage

- Without Surcharge (August Bill)

	Customer Charge	30.00
Tier 1	5	5.43
Tier 2	5	5.08
Tier 3	10	6.31
Tier 4	10	6.97
Tier 5	10	7.32
Tier 6	10	7.67
Tier 7	48	8.63
		405.61
		773.57

Commercial Inside Rate Table

Tier	Gallons Used	Rate
Tier 1	0-5,000	5.43
Tier 2	5,001-10,000	5.08
Tier 3	10,001-20,000	6.31
Tier 4	20,001-30,000	6.97
Tier 5	30,001-40,000	7.32
Tier 6	40,000-50,000	7.67
Tier 7	Over 50,000	8.63

- With Surcharge

	Customer Charge	30.00
Tier 1	5	5.43
Tier 2	5	5.08
Tier 3	10	6.31
Tier 4	10	6.97
Tier 5	10	7.32
Tier 6	10	7.67
Tier 7	48	8.63
SURCHARGE	Over 80,000	18
		7.89
		142.02
		921.50

Stage 3 threshold = 80,000

Stage 4 & 5 threshold = 40,000 gallons

	Customer Charge	30.00
Tier 1	5	5.43
Tier 2	5	5.08
Tier 3	10	6.31
Tier 4	10	6.97
Tier 5	10	7.32
Tier 6	10	7.67
Tier 7	48	8.63
SURCHARGE	Over 40,00	58
		7.89
		457.62
		1,237.10