

January 2024

Water Tracker



A monthly assessment of trends in water supply and use for Santa Clara County, California

Outlook as of January 1, 2024

On December 1, 2023, the California Department of Water Resources (DWR) announced an initial State Water Project (SWP) allocation of 10% of contract amount for 2024. An initial Central Valley Project (CVP) allocation of water for 2024 has not yet been released. Valley Water received 100% allocations from the SWP and CVP for calendar year 2023. On April 11, 2023, the Board of Directors replaced the mandatory call to reduce water use with a voluntary call for 15% water conservation compared to 2019. On June 13, 2023, the Board adopted a resolution to support water conservation as a way of life and an ordinance with a set of permanent water waste prohibitions for Santa Clara County.

Weather

- Rainfall in San José:
 - » Month of December, City of San José = 2.48 inches
- Rainfall year total = 3.03 inches or 61% of average to date (rainfall year is July 1 to June 30)
- January 1 Northern Sierra snowpack was 29% of normal for this date

Local Reservoirs

- Total January 1 storage = 33,584 acre-feet

Reservoir Storage	All Ten Valley Water Reservoirs	All Reservoirs Except Anderson
Storage as % of unrestricted capacity	20%	39%
Storage as % of restricted capacity ⁽¹⁾	54%	51%
Storage as % of the 20-year average for January 1	50%	99%

(1) Per the Federal Energy Regulatory Commission's order, the capacity of Anderson Reservoir was restricted to the deadpool storage as of October 1, 2020

- No imported water delivered into Calero Reservoir during December 2023
- Total estimated releases to streams (local and imported water) during December were 6,660 acre-feet (based on preliminary hydrologic data)

Treated Water

- Below average demands of 4,548 acre-feet were delivered in December
- This total is 81% of the five-year average for the month of December
- Year-to-date deliveries are 88,035 acre-feet or 89% of the five-year average

Groundwater

- Groundwater conditions remain healthy throughout the county. Groundwater levels in most regional monitoring wells are higher than last month due to normal, seasonal increases. All water levels are higher relative to December 2022 and nearly all are higher than the prior five-year average for December. The end of 2023 groundwater storage is estimated to be in Stage 1 (Normal) of the Water Shortage Contingency Plan

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
December 2023 managed recharge estimate	6,900	1,200	1,700
YTD managed recharge estimate	86,800	14,100	22,700
YTD managed recharge as % of five-year average	175%	94%	115%
November 2023 pumping estimate	5,700	1,300	3,800
YTD pumping estimate	49,900	13,100	39,300
YTD pumping as % of five-year average	76%	118%	100%
Current index well groundwater levels compared to December 2022	17 Feet Higher	4 Feet Higher	38 Feet Higher

All volumes are in acre-feet. All data is for 2023 except where noted. YTD = Year-to-date.

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Imported Water

- In December 2023, the SWP operated Banks pumping plant with an average daily export of 6,311 acre-feet, resulting in a total export of 195,631 acre-feet from the Sacramento-San Joaquin Delta for the month
- In December 2023, the CVP operated Jones pumping plant with an average daily export of 5,893 acre-feet, resulting in a total export of 182,670 acre-feet from the Sacramento-San Joaquin Delta for the month
- Dry conditions limited Delta exports in early December; exports increased in late December after a series of storm systems arrived in California

WY 2024 Imported Water Allocations	Allocation	Allocation (acre-feet)	Details
SWP	10%	10,000	Initial Allocation
CVP	TBD	TBD	Announcement expected late February
State-wide Reservoir Storage	Capacity	Current Storage (acre-feet)	Average for Date (as of 12/31/23)
Shasta Reservoir	68%	3,112,673	116%
Oroville Reservoir	68%	2,406,531	130%
San Luis Reservoir	56%	1,147,347	90%
Semitropic Groundwater Bank	Capacity	Current Storage (acre-feet)	Date of Data
	81%	284,073	11/30/23
Estimated SFPUC Deliveries	November 2023 (acre-feet)	2023 Total to Date (acre-feet)	Five-Year Annual Average (acre-feet)
	2,800	39,541	47,000

Conserved Water

- Saved 80,078 acre-feet in FY22 through Valley Water's long-term conservation program (baseline year is 1992)
- Long-term program goal is to save nearly 100,000 acre-feet by 2030 and 110,000 acre-feet by 2040
- On June 13, 2023, the Board adopted a resolution to support water conservation as a way of life in Santa Clara County and an ordinance with a set of permanent water waste prohibitions

Recycled Water

- Estimated December 2023 production = 730 acre-feet
- Estimated year-to-date through December = 15,990 acre-feet or 93% of the five-year average
- Silicon Valley Advanced Water Purification Center produced an estimated 1.6 billion gallons (4,803 acre-feet) of purified water in 2022. Since the beginning of 2023, about 4,363 acre-feet of purified water has been produced. The purified water is blended with existing tertiary recycled water for South Bay Water Recycling Program customers

Alternative Sources

- As of December 10, 2019, Valley Water's wastewater contract right from Palo Alto/ Mountain View remains at 11,200 acre-feet/year

CONTACT US

To find out the latest information on Valley Water projects or to submit questions or comments, email info@valleywater.org or use our **Access Valley Water** customer request system at <https://deliver.com/2yukx>.



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