

Outlook as of January 1, 2022

The Santa Clara County and most of California are in a severe to extreme drought. After two consecutive dry years and due to low imported water allocations, end of 2021 groundwater storage is projected to be in Stage 1 (Normal) of the Water Shortage Contingency Plan due to our community implementing additional water use reduction and early winter rains. Valley Water secured emergency water supplies in 2021 and ramped up water conservation programs and outreach. On December 1, 2021, the California Department of Water Resources announced the initial State Water Project allocations of 0% of contract, plus minimum unmet water demands for public health and safety. Valley Water will rely more on imported water and water conservation in the next 10 years while Anderson Reservoir storage is unavailable. The Board of Directors declared a water shortage emergency in June 2021 and called for water use restrictions of 15% relative to 2019. Many cities and retailers have enacted water use prohibitions. Making conservation a California way of life is especially critical during this extreme drought.

Weather

- Rainfall in San José:
 - » Month of December, City of San José = 4.3 inches
 - » Rainfall year total = 7.2 inches or 142% of average to date (rainfall year is July 1 to June 30)
- San José average daily high temperature was 57.6 degrees Fahrenheit in December, which is lower than the five-year average for December (59.5 degrees Fahrenheit)

Local Reservoirs

- Total January 1 storage = 46,318 acre-feet

Reservoir Storage	All Ten Valley Water Reservoirs	All Reservoirs Except Anderson
Current storage as % of unrestricted capacity	28%	54%
Current storage as % of restricted capacity ⁽¹⁾	74%	69%
Current storage as % of the 20-year average for January 1	67%	133%

(1) Per the Federal Energy Regulatory Commission's order, the capacity of Anderson Reservoir was restricted to the deadpool storage of about 3,050 AF. The total restricted capacity for all ten reservoirs is 62,592 acre-feet.

- Approximately 0 acre-feet of imported water delivered into Calero Reservoir during December 2021
- Total estimated releases to streams (local and imported water) during December were 9,410 acre-feet (based on preliminary hydrologic data)

Groundwater

- Seasonal recovery has begun to stabilize or increase groundwater levels in most areas, but groundwater levels continue to decline due to the drought in a few areas and levels remain lower than those at this time last year. Groundwater storage at the end of 2021 is projected to be in Stage 1 (Normal) of Valley Water's Water Shortage Contingency Plan

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
December managed recharge estimate	3,600	1,600	1,100
January to December managed recharge estimate	35,700	14,400	15,900
January to December managed recharge as % of 5-year average	57%	83%	74%
November pumping estimate	5,000	1,000	3,100
January to November pumping estimate	74,300	12,700	40,700
January to November pumping as % of 5-year average	122%	124%	103%
Current index groundwater levels compared to December 2020	2 Feet Lower	2 Feet Lower	12 Feet Lower

All volumes are in acre-feet. All data is for 2021 except where noted.

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Imported Water

- 2022 State Water Project (SWP) and Central Valley Project (CVP) allocations:
 - » The California Department of Water Resources (DWR) announced that the SWP initial allocation would meet a contractors' unmet public health and safety needs. Valley Water is working with DWR to determine its public health and safety allocation. DWR is monitoring conditions and may adjust the allocation based on changing conditions
 - » South-of-Delta CVP allocations have not yet been identified
- Statewide reservoir storage information, as of December 29, 2021:
 - » Shasta Reservoir at 29% of capacity (49% of average for this date)
 - » Oroville Reservoir at 37% of capacity (72% of average for this date)
 - » San Luis Reservoir at 29% of capacity (48% of average for this date)
- Valley Water's Semitropic groundwater bank reserves are near 87% of capacity, or 303,830 acre-feet, as of December 29, 2021
- Estimated SFPUC deliveries to Santa Clara County:
 - » Month of November = 2,931 acre-feet
 - » 2021 Total to Date = 43,641 acre-feet
 - » Five-year annual average = 48,700 acre-feet
- Board Governance Policy No. EL-5.3.3 includes keeping the Board informed of imported water management activities on an ongoing basis. No imported water agreements have been executed under EL-5.3.3 since the last Water Tracker update

Treated Water

- Below average demands of 4,870 acre-feet delivered in December
- This total is 82% of the five-year average for the month of December
- Year-to-date estimated deliveries are 93,980 acre-feet or 91% of the five-year average

Conserved Water

- Saved 76,584 acre-feet in FY21 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 9, 2021, the Board called for a 15% reduction in water use compared to 2019, for the public to limit irrigation of ornamental landscapes with potable water to a maximum of three days per week, and for retailers, cities and the County to implement local water restrictions
- The community has continued to increase its drought-related conservation from June 2021, with November 2021 water use approximately 20% less than November 2019 water use.

Recycled Water

- Estimated December 2021 production = 970 acre-feet
- Estimated year-to-date through December = 16,860 acre-feet or 96% of the five-year average
- Silicon Valley Advanced Water Purification Center produced an estimated 1.6 billion gallons (4,864 acre-feet) of purified water in 2020. Since the beginning of 2021, about 4,268 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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