

## Outlook as of August 1, 2021

Most of Santa Clara County is in an extreme drought, whereas the northeast part of the county is now in an exceptional drought, per the U.S. Drought Monitor. After two consecutive dry years and due to low imported water allocations, end of 2021 groundwater storage is projected to be in Stage 2 (Alert) of the Water Shortage Contingency Plan without additional imported water supplies or water use reduction. Efforts are underway to secure emergency water supplies and ramp up water conservation programs and outreach. Valley Water will rely more on imported water and water conservation in the next 10 years while Anderson Reservoir storage is unavailable due to the Federal Energy Regulatory Commission (FERC) order to drain the reservoir. The Board of Directors adopted a resolution on June 9, 2021, declaring a water shortage emergency condition and calling for water use restrictions of 15% relative to 2019. Making conservation a California way of life is especially critical during this extreme drought.

### Weather

- Rainfall in San José:
  - » Month of July, City of San José = 0.00 inches
- Month of July, San José average daily high temperature = 78 degrees Fahrenheit

### Local Reservoirs

- Total August 1 storage = 22,092 acre-feet
  - » 25% of 20-year average for that date
  - » 13% of total unrestricted capacity
  - » 35% of restricted capacity (166,140 acre-feet total storage capacity limited by seismic restrictions to 62,362 acre-feet)
- Approximately 240 acre-feet of imported water delivered into Calero Reservoir during June 2021
- Approximately 210 acre-feet of water released from Anderson Reservoir during July 2021. Since the FERC order to drawdown Anderson Reservoir was issued on February 20, 2020, cumulative release from Anderson is approximately 30,570 acre-feet. Majority of released water was for water supply
- Total estimated releases to streams (local and imported water) during July was 1,490 acre-feet (based on preliminary hydrologic data)

### Groundwater

- Groundwater levels and storage continue to decline due to the extreme drought conditions. Total storage at the end of 2021 is projected to be in Stage 2 (Alert) of Valley Water’s Water Shortage Contingency Plan.

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
July managed recharge estimate (AF)	500	600	1,100
January to July managed recharge estimate (AF)	17,900	7,100	8,300
January to July managed recharge, % of 5-year average	52%	72%	75%
June pumping estimate (AF)	7,800	1,000	4,300
January to June pumping estimate (AF)	38,300	5,300	17,200
January to June pumping, % of 5-year average	134%	108%	117%
Current index well groundwater levels compared to July 2020	13 Feet Lower	7 Feet Lower	20 Feet Lower

AF = acre-feet

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## Imported Water

- 2021 State Water Project (SWP) and Central Valley Project (CVP) allocations:
  - » 2021 SWP allocation of 5%, which provides 5,000 acre-feet to Valley Water
  - » Valley Water received conditional approval for a 2021 CVP allocation of 71,500 acre-feet, based on Valley Water's public health and safety needs. However, the availability of the allocation is subject to hydrological and other system limitations
- Statewide reservoir storage information, as of August 1, 2021:
  - » Shasta Reservoir at 32% of capacity (45% of average for this date)
  - » Oroville Reservoir at 25% of capacity (35% of average for this date)
  - » San Luis Reservoir at 20% of capacity (42% of average for this date)
- Valley Water's Semitropic groundwater bank reserves are at 92% of capacity, or 321,974 acre-feet, as of June 30, 2021
- Estimated SFPUC deliveries to Santa Clara County:
  - » Month of May = 4,730 acre-feet
  - » 2021 Total to Date: 22,813 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. One imported water agreement was executed under EL-5.3.3 since the last Water Tracker update

## Treated Water

- Below average demands of 10,600 acre-feet delivered in July
- This total is 87% of the five-year average for the month of July
- Year-to-date deliveries are 55,960 acre-feet or 101% of the five-year average

## Conserved Water

- Saved 74,198 acre-feet in FY20 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
- Until June 9, 2021, the Board had called for voluntary 20% water conservation compared to 2013, and retailers achieved a 16% reduction in water use for January through June 2021 compared to 2013
- 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
- For January through June 2021, water use is approximately 11% greater than the same time period in 2019; June 2021 water use is approximately the same as June 2019 water use, indicating the community is responding to Valley Water's drought resolution

## Recycled Water

- Estimated July 2021 production = 1,760 acre-feet
- Estimated year-to-date through July = 8,877 acre-feet or 92% 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 3,010 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 10,000 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](mailto:info@valleywater.org) or use our **Access Valley Water** customer request system at <https://deliver.com/2yukx>.



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