April 2018

Water Tracker

Santa Clara Valley Water District

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

Outlook as of April 1, 2018

We began calendar year 2018 with groundwater storage well within Stage 1 (Normal) of the District's Water Shortage Contingency Plan. This year's precipitation is below 60% of average to-date at the San Jose Index Station and below average for the Santa Cruz Mountains, South County, and the Diablo Range. The snow water equivalent for the Northern Sierra is less than 45% of normal for this date.

Despite below normal local rainfall and below normal statewide snow pack, end of year groundwater storage for 2018 is projected to be well within Stage 1 (Normal) due to carryover supplies from a wet 2017.

Weather

Rainfall in San Jose

- Month of March, City of San Jose = 2.56 inches
- Rainfall year total = 7.36 inches or 58% of average to date (rainfall year is July 1 to June 30)
- April 2 Northern Sierra snowpack was 43% of normal for this date

Local Reservoirs

- Total April 1 storage = 67,627 acre-feet
  - » 61% of 20-year average for that date
  - » 40% of total capacity
  - » 60% of restricted capacity (169,009 acre-feet total storage capacity limited by seismic restrictions to 113,667 acre-feet)
- Approximately 6,500 acre-feet of imported water was delivered into local reservoirs during March 2018
- Total estimated releases to streams (local and imported water) during March was 5,800 acre-feet

Groundwater

- Groundwater (GW) Storage: Total storage at the end of 2018 is predicted to fall within Stage 1 (Normal) of the District's Water Shortage Contingency Plan.

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
March managed recharge estimate (AF)	5,600	900	1,500
January to March managed recharge estimate (AF)	17,000	2,600	4,300
January to March managed recharge, % of 5-year average	208%	117%	162%
February pumping estimate (AF)	5,100	800	2,400
January to February pumping estimate (AF)	9,500	1,600	4,900
January to February pumping, % of 5-year average	99%	124%	129%
GW index well level compared to last March	Increase	Decrease	Decrease

AF = acre-feet

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Imported Water

- As of March 29, 2018, the Statewide Average snowpack water content is 57% of the historic average for this date
- 2018 State Water Project (SWP) and Central Valley Project (CVP) allocations:
  - » The initial 2018 SWP allocation of 20%, providing 20,000 AF to the District
  - » The initial 2018 South-of-Delta CVP allocations:
    - ▪ The M&I allocation is currently 70% and the Agricultural allocation is 20%, which provides 97,620 AF to the District
- State-wide reservoir storage information, as of March 29, 2018:
  - » Shasta Reservoir at 84% of capacity (105% of average for this date)
  - » Oroville Reservoir at 58% of capacity (77% of average for this date)
  - » San Luis Reservoir at 86% of capacity (95% of average for this date)
- District's Semitropic groundwater bank reserves are 256,725 acre-feet as of February 28, 2018
- Estimated SFPUC deliveries to Santa Clara County:
  - » Projected month of February = 2,793 acre-feet
  - » 2018 Total to Date = 5,950 acre-feet
  - » Five-year annual average is 48,700 acre-feet

Treated Water

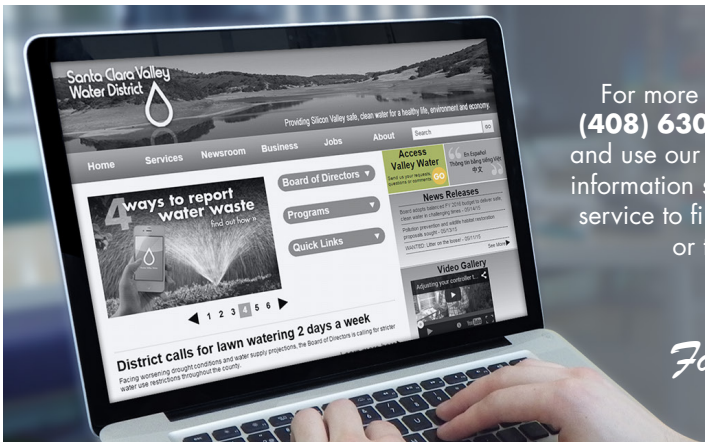
- Below average demands of 5,349 acre-feet delivered in March
- This total is 86% of the five-year average for the month of March
- Year-to-date deliveries = 16,796 acre-feet or 96% of the five-year average

Conserved Water

- Saved 72,000 acre-feet in FY17 from long-term program (baseline year is 1992)
- Long-term program goal is to save nearly 75,000 acre-feet in FY18
- The Board has called for a 20% reduction and a limit of three days per week for irrigation of ornamental landscape with potable water
- Achieved a 9% reduction in water use through the first two months of 2018, compared to 2013

Recycled Water

- Estimated March 2018 production = 600 acre-feet
- Estimated Year-to-Date through March = 1,900 acre-feet or 60% of the five-year average
- Silicon Valley Advanced Water Purification Center produced an estimated 1.3 billion gallons (4,000 acre-feet) of purified water in 2017. Since the beginning of 2018, about 700 acre-feet of purified water has been blended with existing tertiary recycled water for South Bay Water Recycling Program's customers



CONTACT US

For more information, contact **Customer Relations** at **(408) 630-2880**, or visit our website at valleywater.org and use our **Access Valley Water** customer request and information system. With three easy steps, you can use this service to find out the latest information on district projects or to submit questions, complaints or compliments directly to a district staff person.

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