



Sunnyvale

2025 Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP)

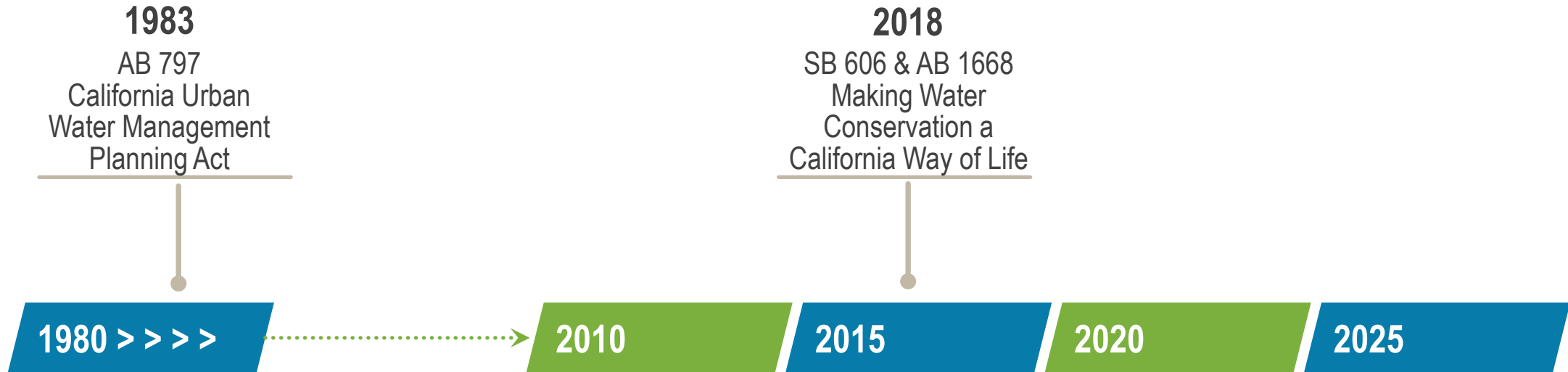
Winola Cheong, P.E.
May 18, 2026



Agenda

- 1 Background
- 2 Water System Overview
- 3 Supply & Demand
- 4 Drought Response
- 5 Water Conservation Programs

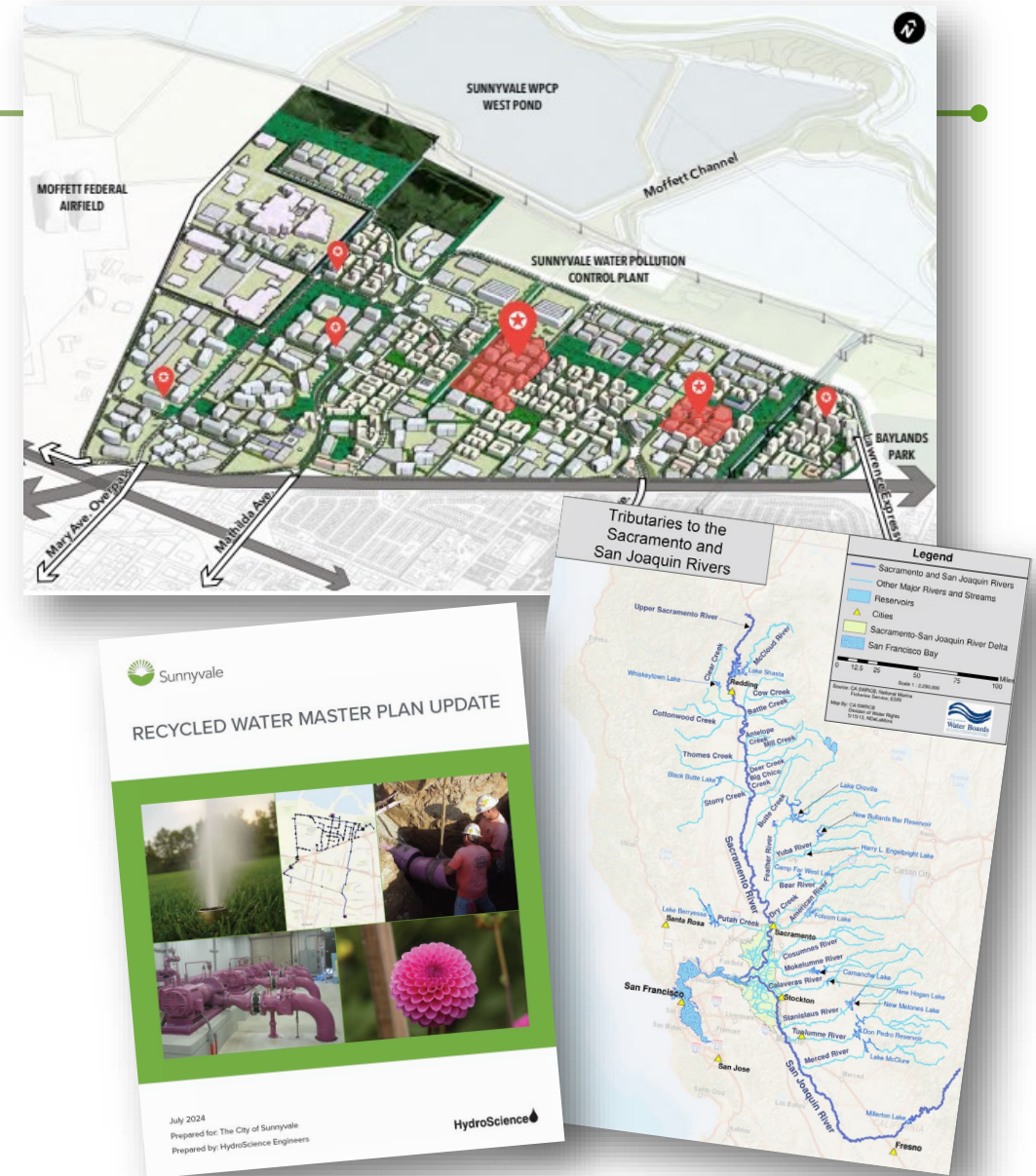
Background



- Sunnyvale’s first Urban Water Management Plan (UWMP) was filed in 1985.
- Update every 5 years. Current update due July 1, 2026.
- Goal: Evaluate water supply reliability over a 20-year planning horizon.
- Water Shortage Contingency Plan (WSCP) required since 2020 to evaluate conservation and water shortage response.

Key Changes since 2020

- **Moffett Park Specific Plan**
 - ❖ Adopted in July 2023
 - ❖ Forecast demand increase at buildout (2045): 7,400 AFY¹ - (90% potable, 10% non-potable)
- **Recycled Water Master Plan Update**
 - ❖ Completed in October 2024
 - ❖ Potential new recycled water demand: 1,176 AFY (1.05 MGD²)
- **Bay-Delta Plan**
 - ❖ December 2025: revised draft advances Voluntary Agreements (flow commitments paired with habitat restoration as alternative to strict flow mandates)
 - ❖ Final adoption expected in late 2026.



¹ AFY: acre-feet per year.

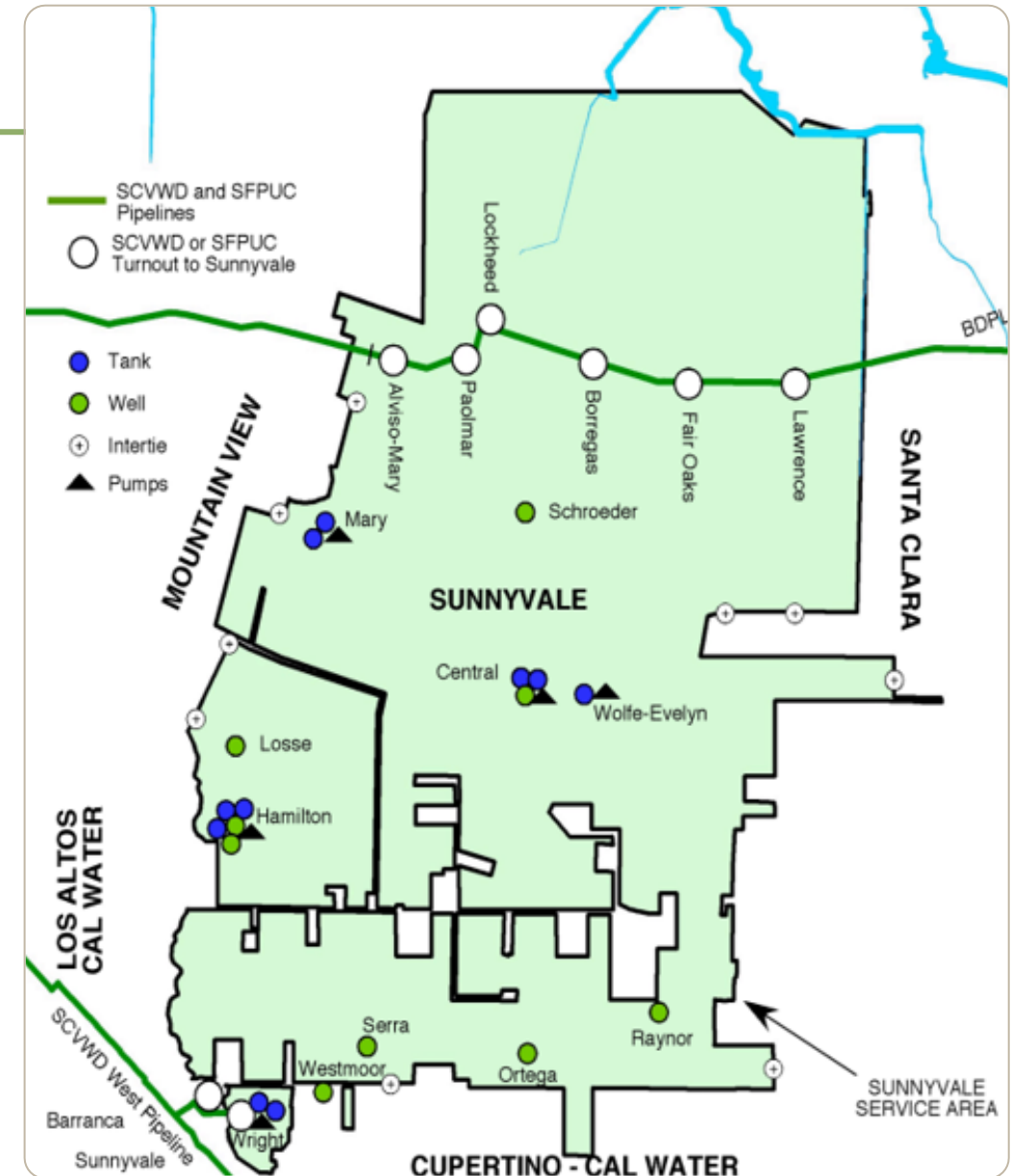
²MGD: million gallons per day. 1 MGD = 1,120 AFY

Potable Water Supply Sources

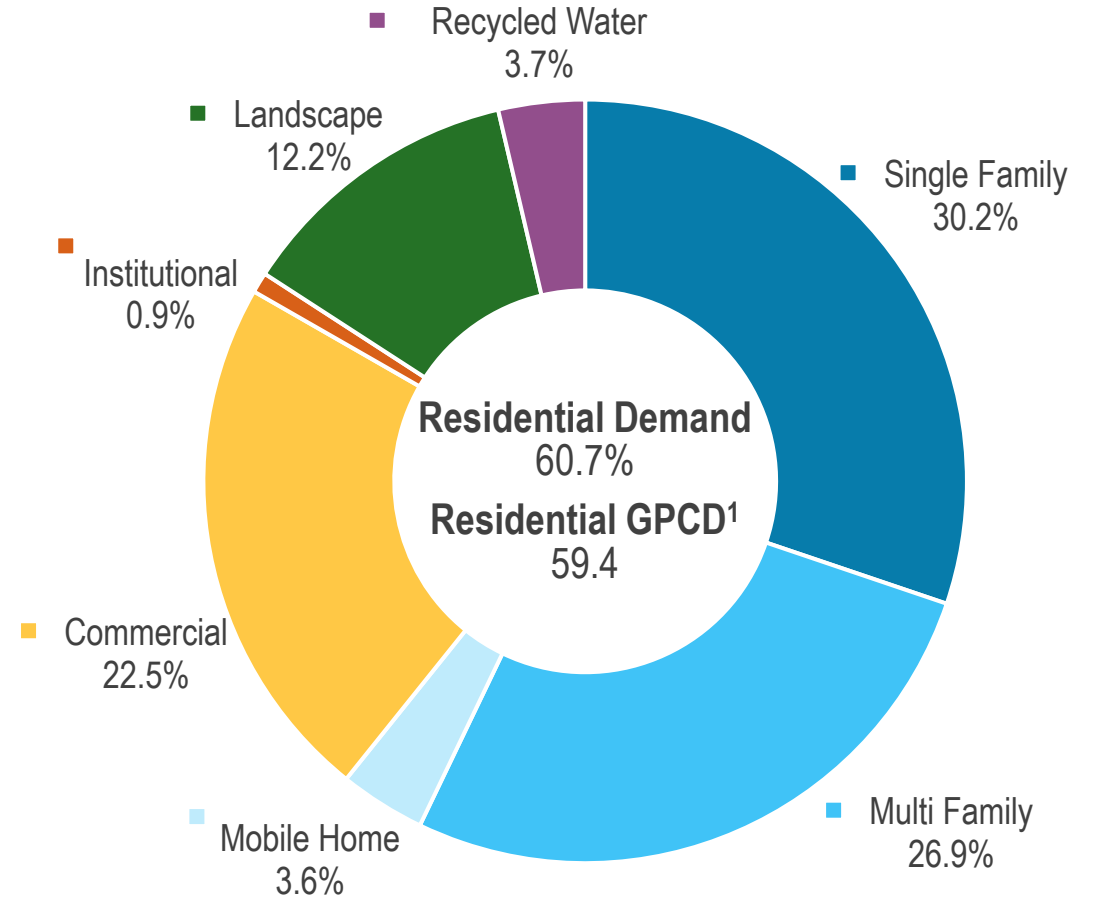
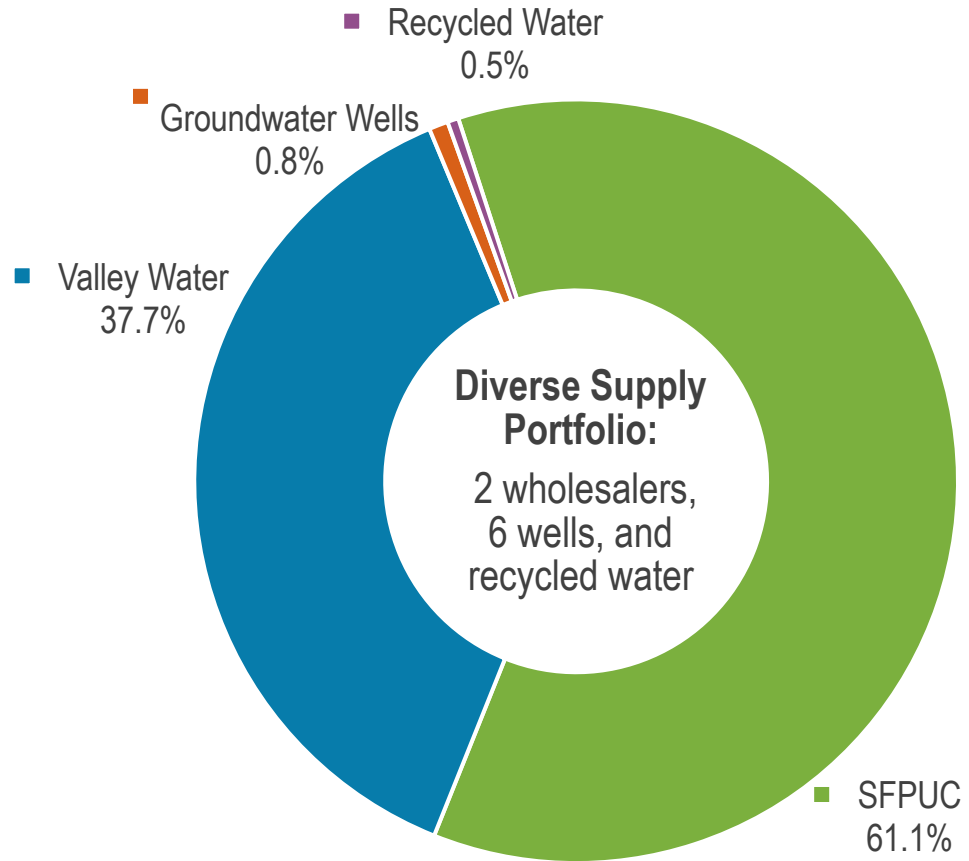
- 3 Supply Sources:
 - San Francisco Public Utilities Commission (SFPUC)
 - Santa Clara Valley Water District (Valley Water)
 - 6 Groundwater Wells
- 6 SFPUC Turnouts, 2 Valley Water Turnouts



Above: Valley Water Turnout at Wright Ave.
Water flows from right (Valley Water's pipes) to left (Sunnyvale's pipes).



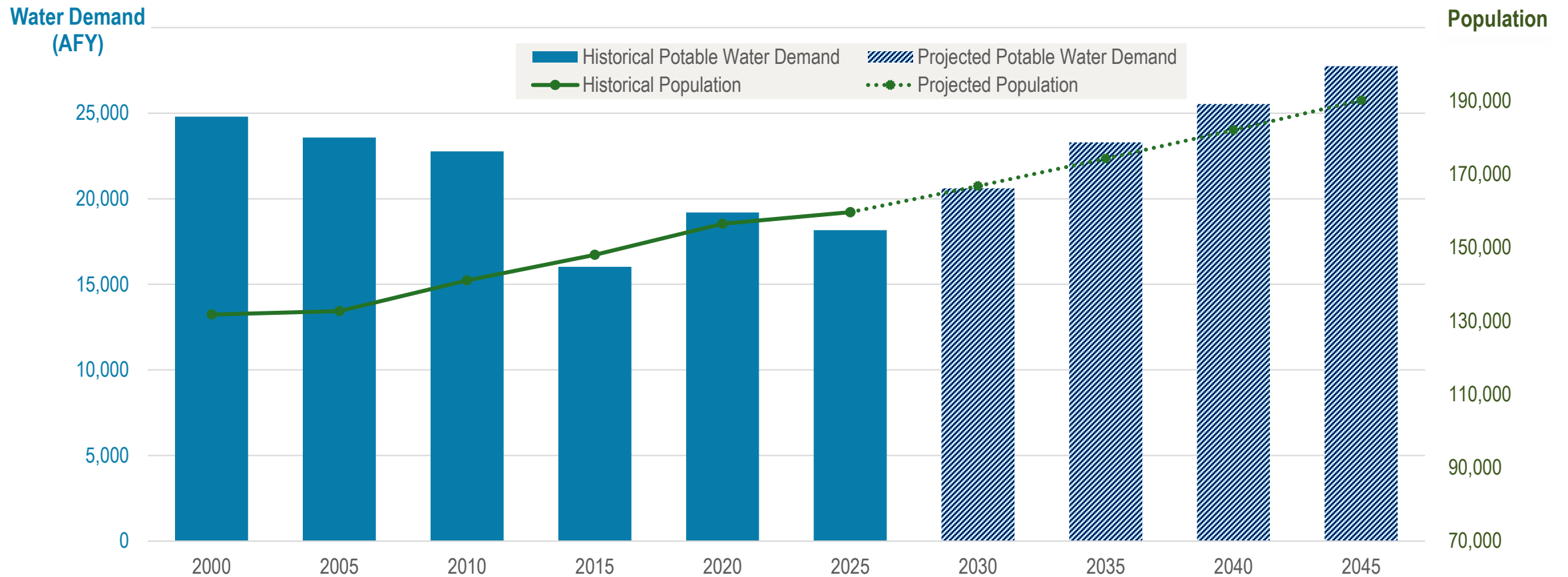
2025 Water Supply & Demand



¹ GPCD: gallons per capita per day

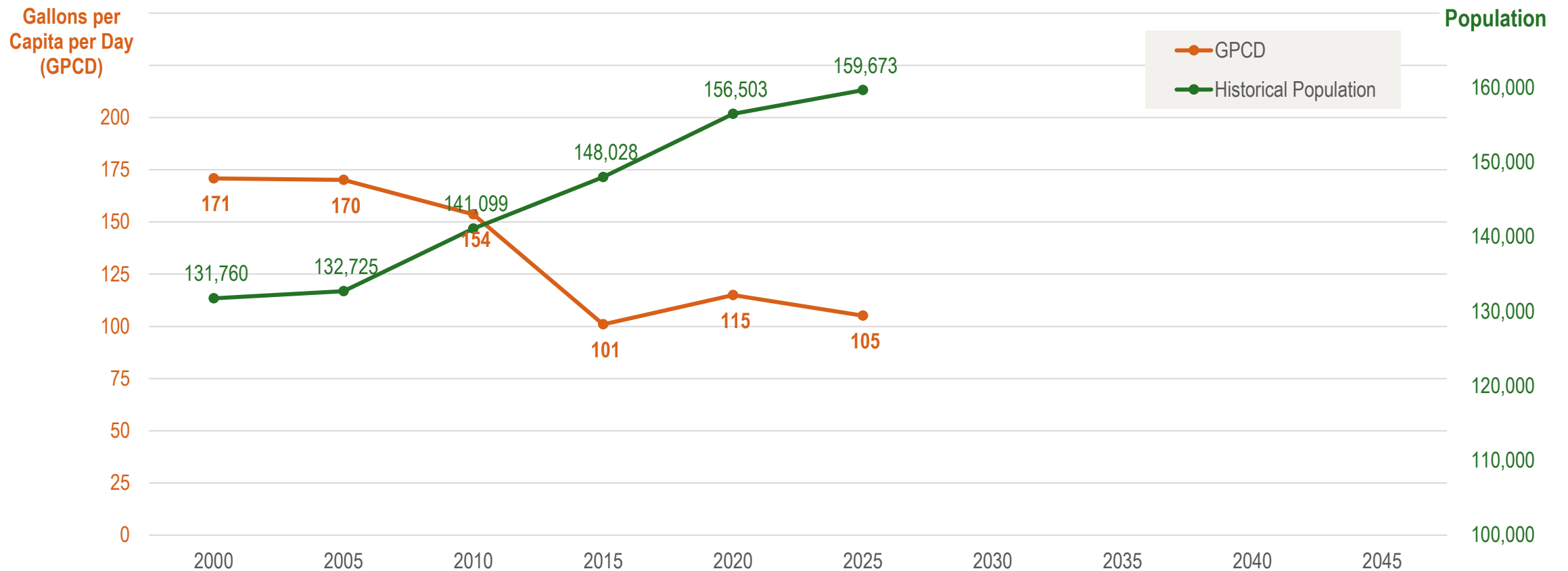
Historical & Projected Demand vs. Population

- Demand has been trending downward from 2000 to 2025 despite population increase
- Demand projections from 2025 to 2045 account for passive savings and anticipated growth in the Moffett Park area



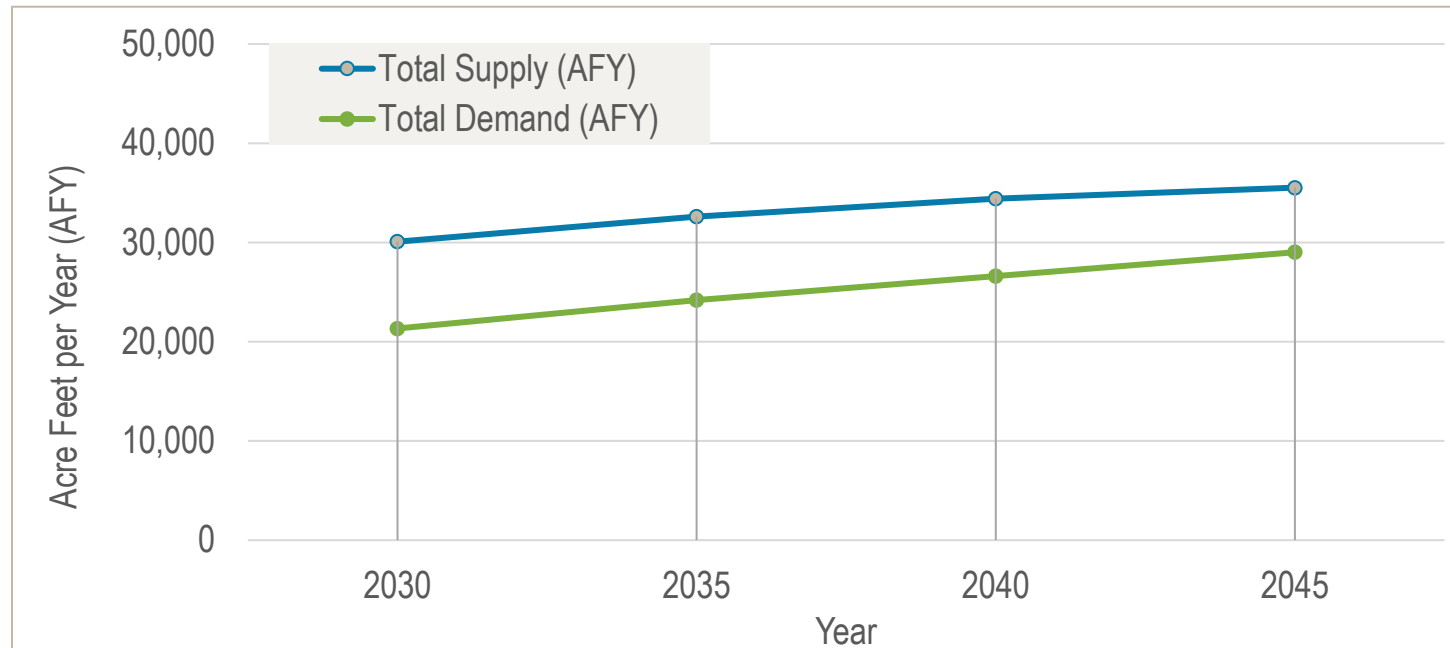
Historical Per Capita Water Use vs. Population

- Gallons per capita per day (GPCD) water use has been trending downward from 2000 to 2025



Supply Reliability Assessment

	2030	2035	2040	2045
Total Supply (AFY)	30,081	32,624	34,409	35,526
Total Demand (AFY)	21,334	24,198	26,625	29,014
Difference (AFY)	8,747	8,426	7,784	6,512



Water Shortage Contingency Plan

Water Supply Reliability Assessment for 3 Scenarios:

- **Normal Year:**
Meets all water demands through 2045
- **Single Dry Year:**
Meets all water demands through 2045
- **5-Year Drought:**
 - Meets all water demands through 2040
 - Shortfalls up to 4% from the 2nd to 5th year of a 5-year drought period beginning in 2045

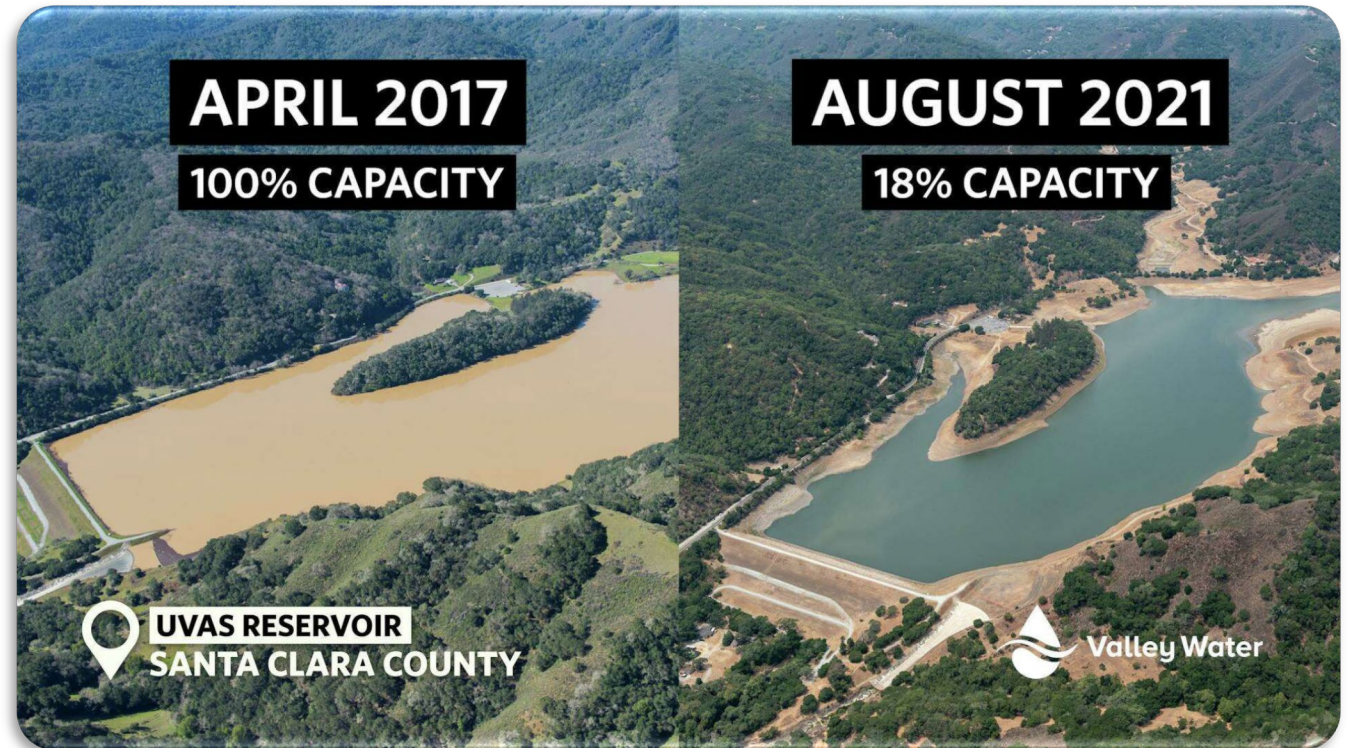


Photo Credit: <https://www.sfchronicle.com/climate/article/These-before-after-images-of-Bay-Area-reservoirs-16411758.php>

Water Shortage Contingency Plan

- Sunnyvale's WSCP establishes 6 shortage stages
- Annual supply vs. demand assessment determines when to activate a stage
- Coordination with SFPUC and Valley Water on shortage protocols

Stage	Shortage Level	Shortage Condition	Shortage Response Actions
1	≤10%	Alert	Increase public outreach
2	10-20%	Moderate	Voluntary conservation and reduce irrigation
3	20-30%	Severe	Allocations and mandatory conservation and required reductions, drought surcharges and increased rates, flow restrictors, and increase production monitoring
4	30-40%	Critical	Require additional reductions and additional drought surcharges, reduce system flushing, repair leaks immediately, increase production monitoring
5	40-50%	Catastrophic	No new landscaping or building permits, restrict landscape irrigation, 24-hour leak repair required, increase use of non-potable water
6	>50%	Catastrophic	

Water Conservation Programs



Water Conservation Programs: Regional Partnership

- Regional Partnership
- Rebate Programs
- Public Outreach
- Municipal Code
- Water Use Data

BAWSCA
Bay Area Water Supply & Conservation Agency

WHO WE ARE ▾ MEMBER AGENCIES ▾ ABOUT YOUR WATER ▾ WATER CONSERVATION ▾ IN THE COMMUNITY ▾

REBATES

CONSERVE | REBATES | LAWN

Lawn Be Gone!

Now with New Rain Garden Rebate Option!

Save water by removing your grass! Replace your lawn with a beautiful, drought-tolerant landscape and receive a rebate of up to \$4 per sq. ft. Add a Rain Garden to your project and earn an additional \$300 rebate!

The Rain Garden Rebate program is an optional program for water customers of the water agencies who participate in the Lawn Be Gone! program. In order to qualify for the rain garden rebate, applicants must apply to the Lawn Be Gone! Rebate Program.

Note: Foster City/EMID, ACWD & Hillsborough Do Not Participate in the Rain Garden Rebate Program

How Do I?

- Get rebates
- Register for a class
- Get water supply info
- Get meeting packets
- Get annual survey data
- Get reports & documents
- Request a speaker
- Access RFPs

Upcoming Events

- BAWSCA Board of Directors Meeting, May 21, 2025, 6:30 PM
- BAWSCA Board Policy Committee Meeting, April 8, 2026 1:30pm
- Leak Repair Elite - San Mateo, CA - Feb. 19th, 2026 @ 9...

Classes/Workshops

- April 22 - Design Your Own Rain Garden
- April 22 - Summer Watering

Valley Water

For Residents ▾ Your Water ▾ Learning Center ▾ News & Events ▾ About Valley Water ▾ Services and Support

Rebates & Surveys

Find rebates and surveys to assist with landscaping, indoor fixtures, and technology upgrades for all property types in Santa Clara County

Outdoor Conservation

Explore water-wise gardening, graywater, and high efficiency irrigation through resources and events near you

Landscape Guides & Resources

Explore our landscaping guides, resources, and tips to assist you with your outdoor conservation goals! Get in contact with local landscape professionals who can assist you with your sustainable landscaping projects.

Indoor Conservation

Become an indoor water saving expert and understand your water use through water efficiency tips and videos! Explore incentives and claim your free water saving devices.

Understanding Your Water Use

Knowledge is power. Explore water-saving tips, leak detection resources, and information to better understand your water use.

Water Saving Devices

Receive free water conservation devices such as [WaterSense-certified](#) showerheads, high efficiency sink aerators, and literature to help save water in your homes and/or businesses!

BAWSCA: Bay Area Water Supply and Conservation Agency

Water Conservation Programs: Rebate Programs



Residential Rebate Programs



Landscape Rebate Programs



Commercial, Industrial, and Institutional (CII) Rebate Programs

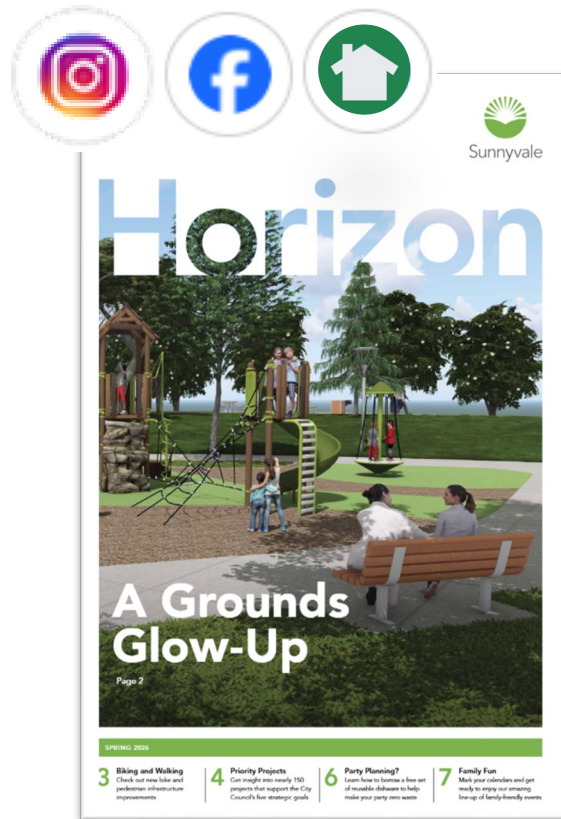


FY 24-25:

***210 aerators, 160 showerheads, 6 Water Wise Home DIY Kits,
37 landscape rebates totaled \$147,710***

Water Conservation Programs: Public Outreach

- Regional Partnership
- Rebate Programs
- Public Outreach**
- Municipal Code
- Water Use Data




- City Drought and Water Conservation Webpage
- Social Media: Instagram, Facebook, Nextdoor
- Postcard
- Yard Signs
- Theater Ads
- Utility Bill Insert
- Community Tabling
- BAWSCA Landscape Webinars
- Outreach at Sunnyvale Public Library
- City Publications: Sunnyvale Sun Newspaper, Update Sunnyvale, Horizon, Sustainable Sunnyvale Newsletter

Welcome!

Lawn Alternatives

Instructor:
Juanita Salisbury

Sponsored by:
City of Sunnyvale
and
The Bay Area Water Supply and Conservation Agency



ARE YOU DROUGHT READY?

Grow More with Less.

Sunnyvale Sunnyvale.ca.gov/SaveWater

Water Conservation Programs: Water Waste Ordinance

Regional
Partnership

Rebate
Programs

Public
Outreach

Municipal
Code

Water Use
Data

Permanent Restrictions:

Serve water by request only



Irrigation runoff prohibited year-round



No paved area washing



No car washing unless using an auto shut-off nozzle



Water Conservation Programs: Water Use Data

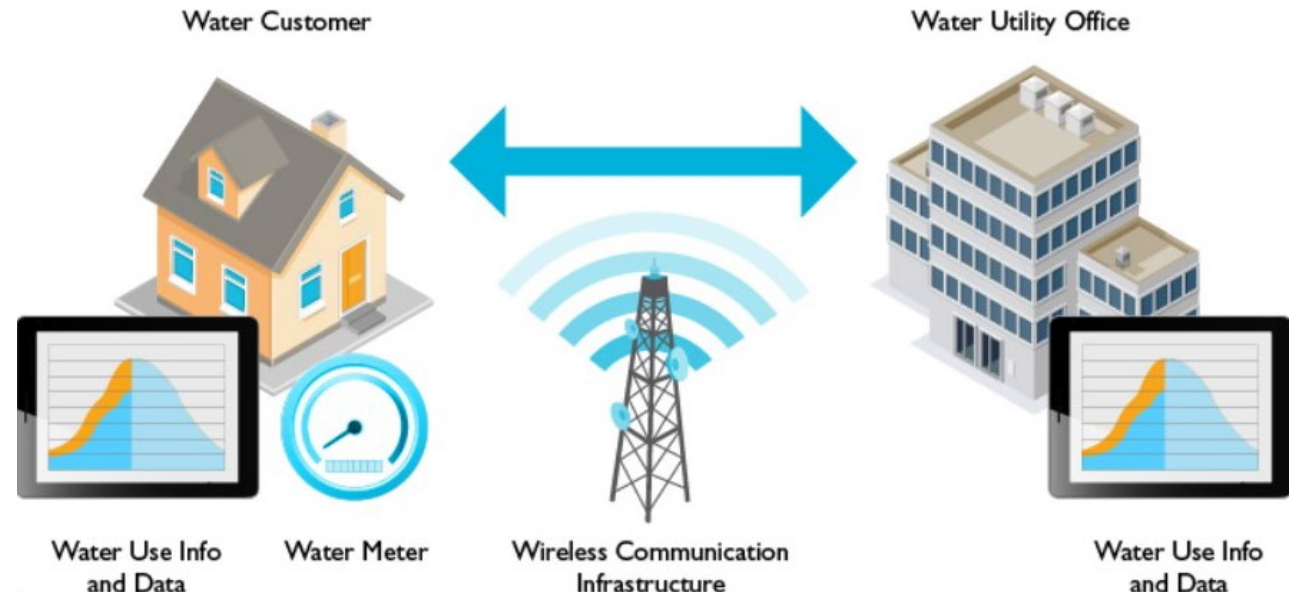
- Regional Partnership
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City is 100% Metered

Total Connections: 28,514 (2025)



Coming Soon: Automated Metering Infrastructure (AMI)



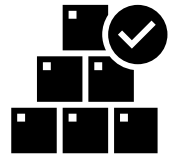
Credit: <https://www.franklintn.gov/government/departments-k-z/water-management-department/advanced-metering-infrastructure-ami>

2025 UWMP & WSCP Key Findings

- City has sufficient water to meet demand under normal and single dry year
- Reliable water supply portfolio and regional partnership with SFPUC and Valley Water
- Effective water conservation program
- Per capita water use continues to decline
- Bay-Delta Plan outcome may reduce dry year supply
- Groundwater will be key dry year resource
- WSCP ready to respond to water shortages



Staff Recommendation



Recommend City Council to take the following actions on June 16:

- Adopt a Resolution approving the 2025 Urban Water Management Plan.
- Adopt a Resolution approving the 2025 Water Shortage Contingency Plan.



Sunnyvale

Q&A

