



Sunnyvale

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

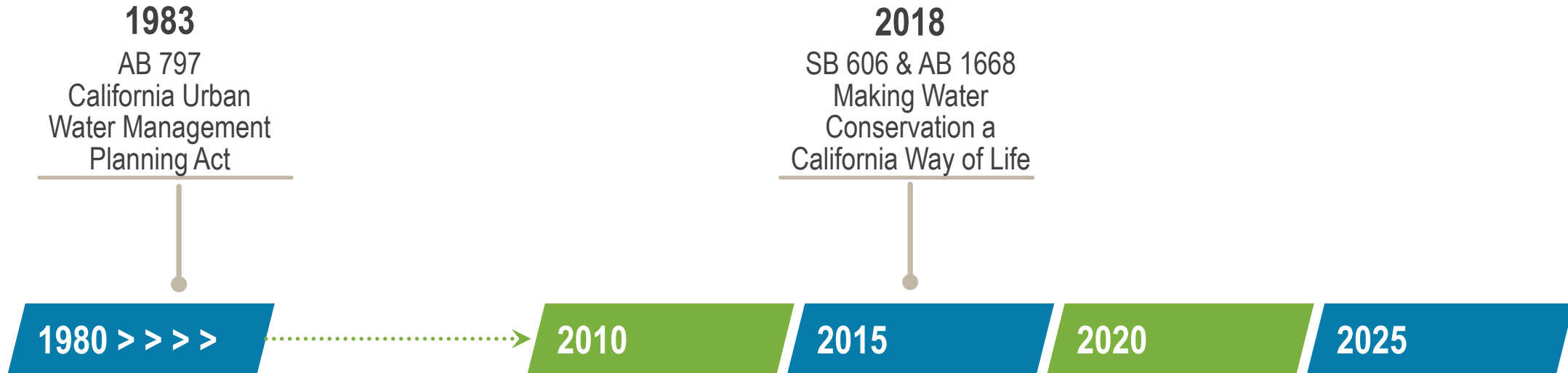
Winola Cheong, P.E.
June 16, 2026



Overview

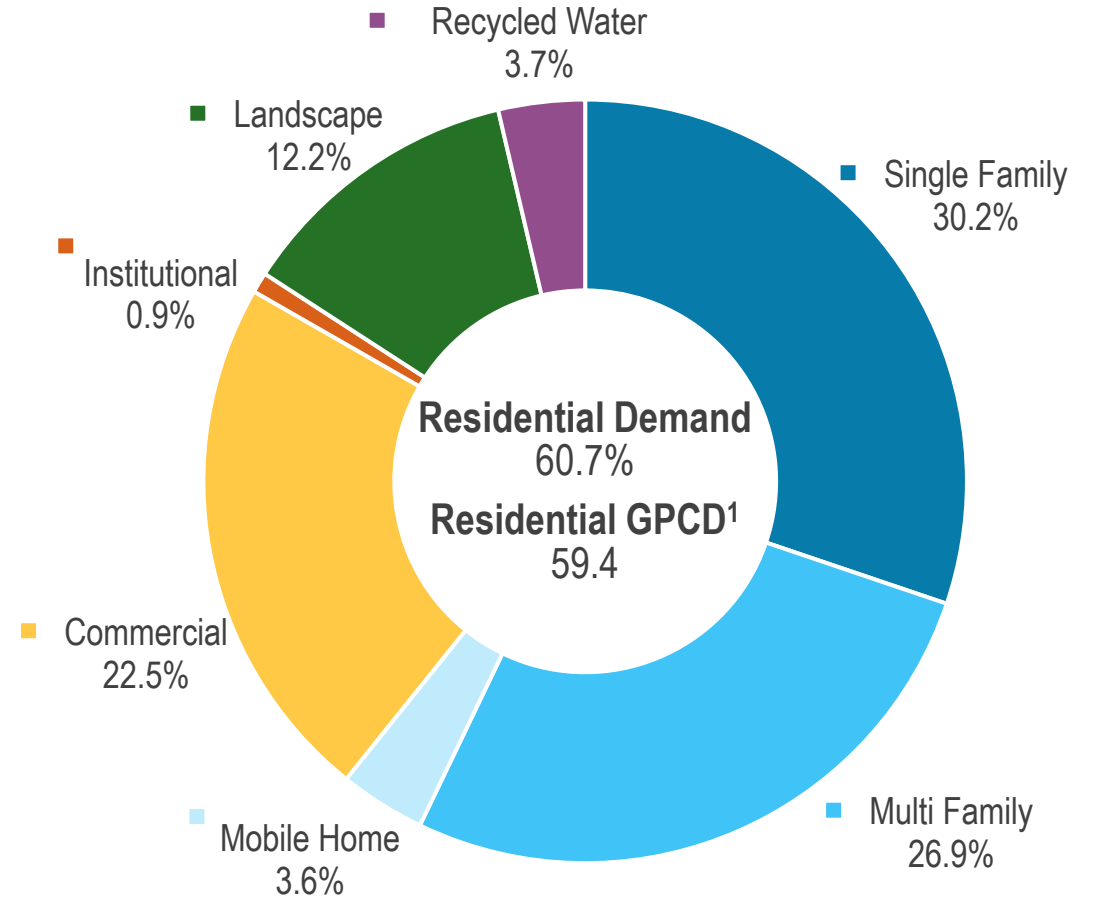
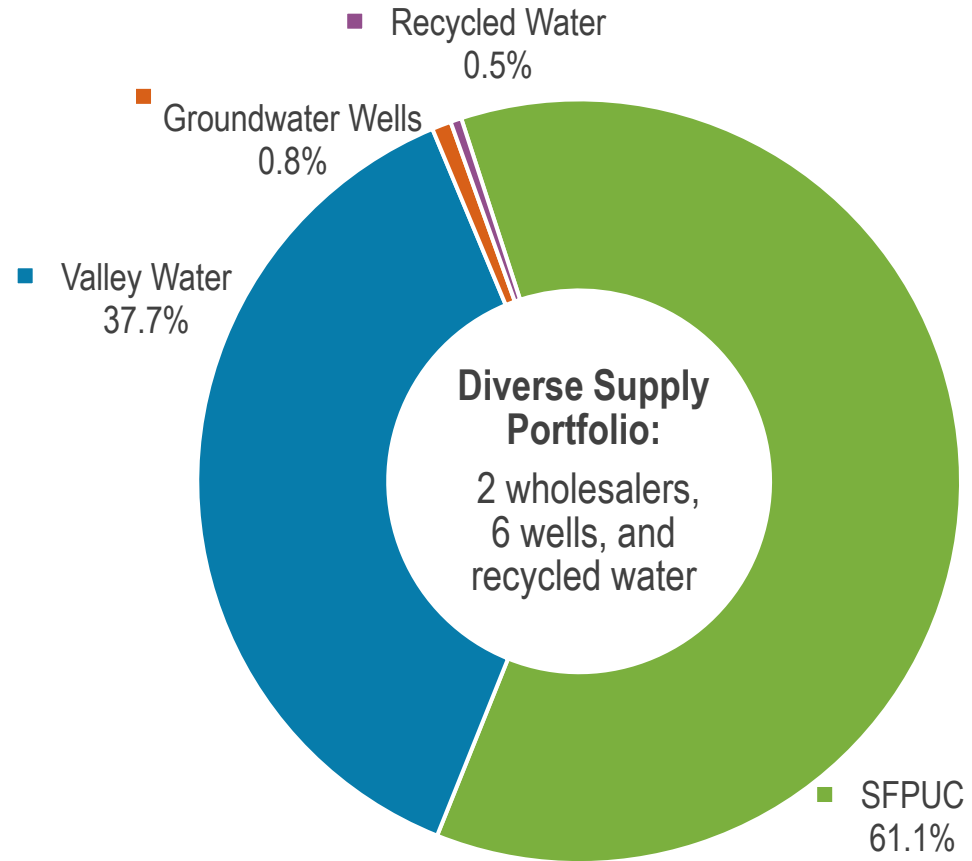
- 1 Regulatory Requirements
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- 3 Supply Reliability & Drought Readiness
- 4 Key Takeaways and Recommendations

Regulatory Requirements



- First Urban Water Management Plan (UWMP) in 1985. First Water Shortage Contingency Plan (WSCP) in 2020.
- UWMP: Evaluate water supply reliability over a 20-year planning horizon.
- WSCP: Evaluate conservation and water shortage response.
- Updates required every 5 years. **Current update due July 1, 2026.**

2025 Water Supply & Demand



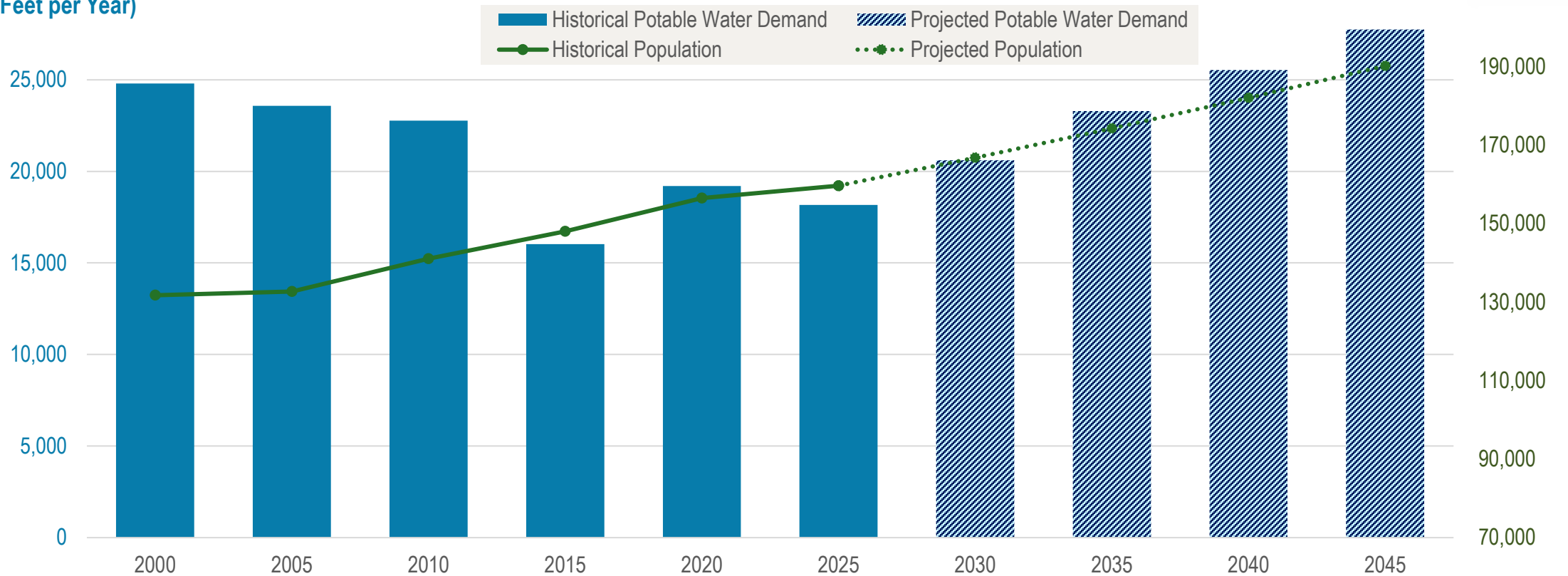
¹ GPCD: gallons per capita per day

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 population growth

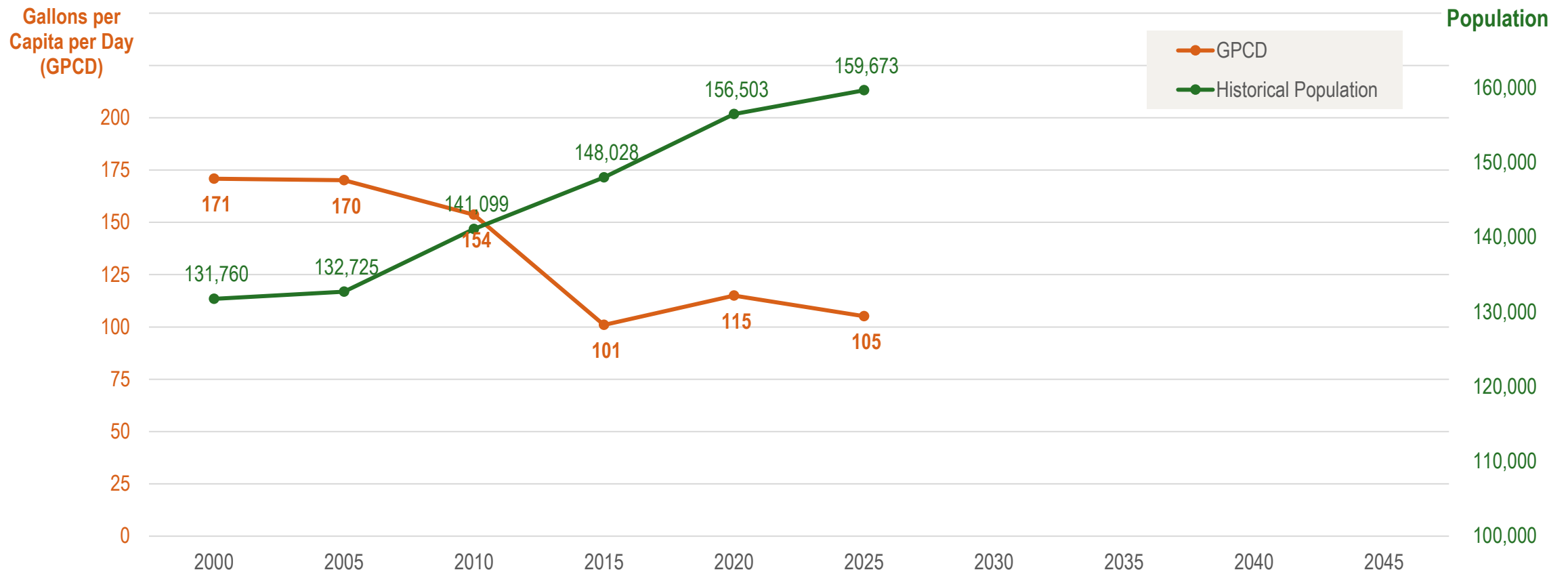
Water Demand
(Acre-Feet per Year)

Population



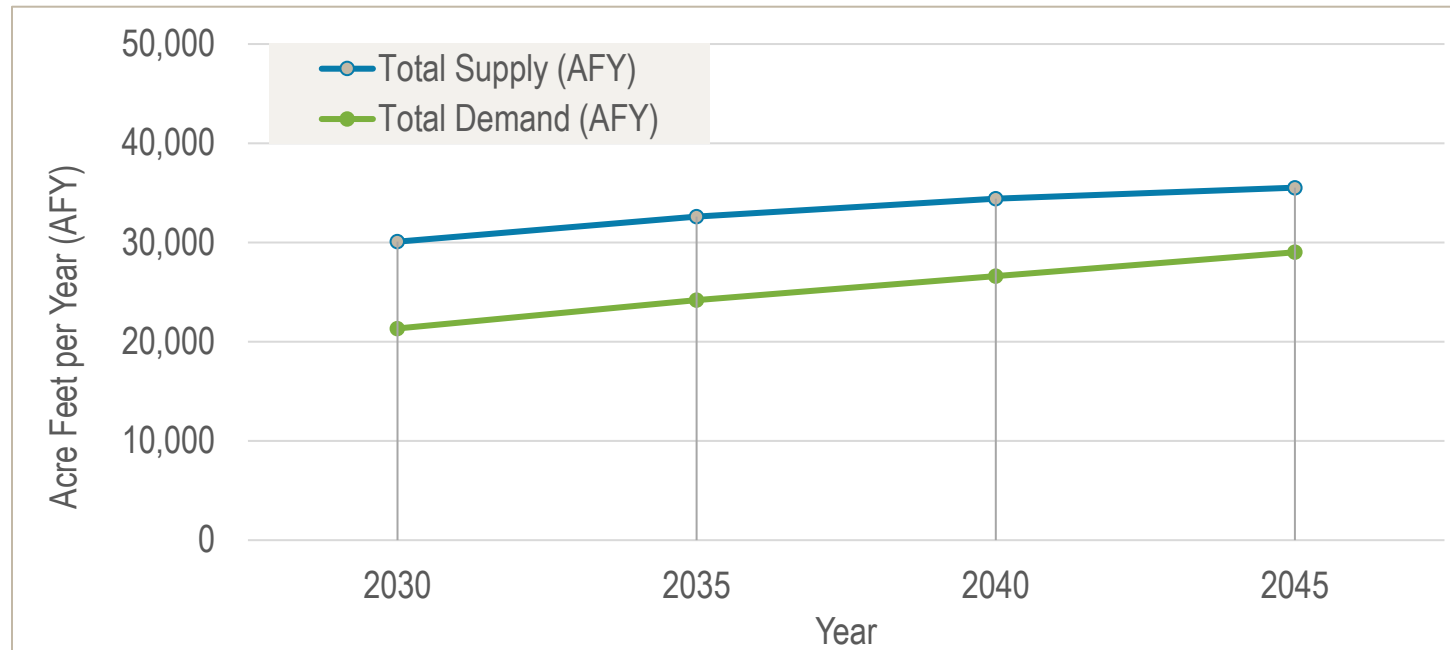
Historical Per Capita Water Use vs. Population

- 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 ¹) | 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 |



¹ AFY: acre-feet per year.

Water Shortage Contingency Plan

- Sunnyvale is projected to meet demands in normal years, single dry years, and multiple dry years through 2040. Anticipates shortfalls of up to 4% in a five-year drought beginning in 2045.
- WSCP establishes 6 shortage stages. Activation based on supply conditions and coordination with regional partners.
- Groundwater and Conservation efforts remain critical tools to help navigate potential shortages.

| 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 Efforts



Valley Water

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!



ARE YOU DROUGHT READY?
Grow More with Less.

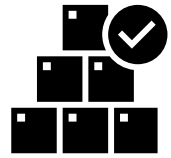
Sunnyvale Sunnyvale.ca.gov/SaveWater



Key Takeaways

- City has sufficient water supply to meet demand under normal and single dry year
- Reliable water supply portfolio
- Effective water conservation program
- Per capita water use continues to decline
- WSCP ready to respond to water shortages

Staff Recommendations



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



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Q&A

