



Sunnyvale

Sustainability Commission

Urban Water Management Plan Water Shortage Contingency Plan

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Required by Law:

Every urban water Agency in California is required to submit an Urban Water Management Plan (UWMP), which now includes a Water Shortage Contingency Plan (WSCP) every five Years.

What is an UWMP?

- Long-term resource planning to ensure adequate water supplies and to meet existing and future water demands.
- Prepared every five years and updated to reflect any changing conditions.
- Required if a water supplier provides more than 3,000 acre-feet per year or serves more than 3,000 connections.
(1 acre-foot=325,000 gallons)

Key Elements

- Water Supply
- Water Demand
- Water Supply Reliability
- Water Conservation
- Water Shortage Contingency Plan

Updates Since 2016

- Bay-Delta Plan approved by the State Water Board in December 2018 and takes effect in 2023.
- Bay-Delta Plan requires 30%-50% unimpaired flow on the Tuolumne River
- Updated populations and employment projections
- Impacts of the 2014-2016 droughts and resulting ongoing water conservation.
- Recycled water collaboration with the Water District.

Sources of Supply Santa Clara County



Santa Clara County

by the numbers

30% local water

- 15% natural groundwater
- 10% from reservoirs to groundwater
- 5% from reservoirs to drinking water treatment plants

55% imported water

- 15% thru Delta to replenish groundwater
- 25% thru Delta to drinking water treatment plants
- 15% from Hetch Hetchy system

5% recycled water

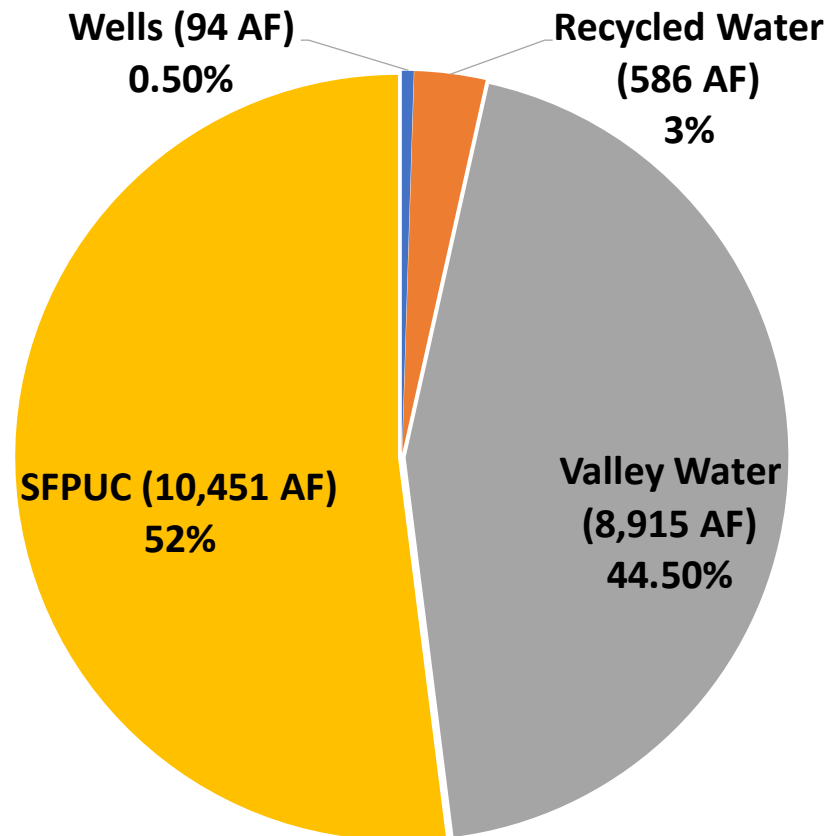
90%

10% Water Conservation

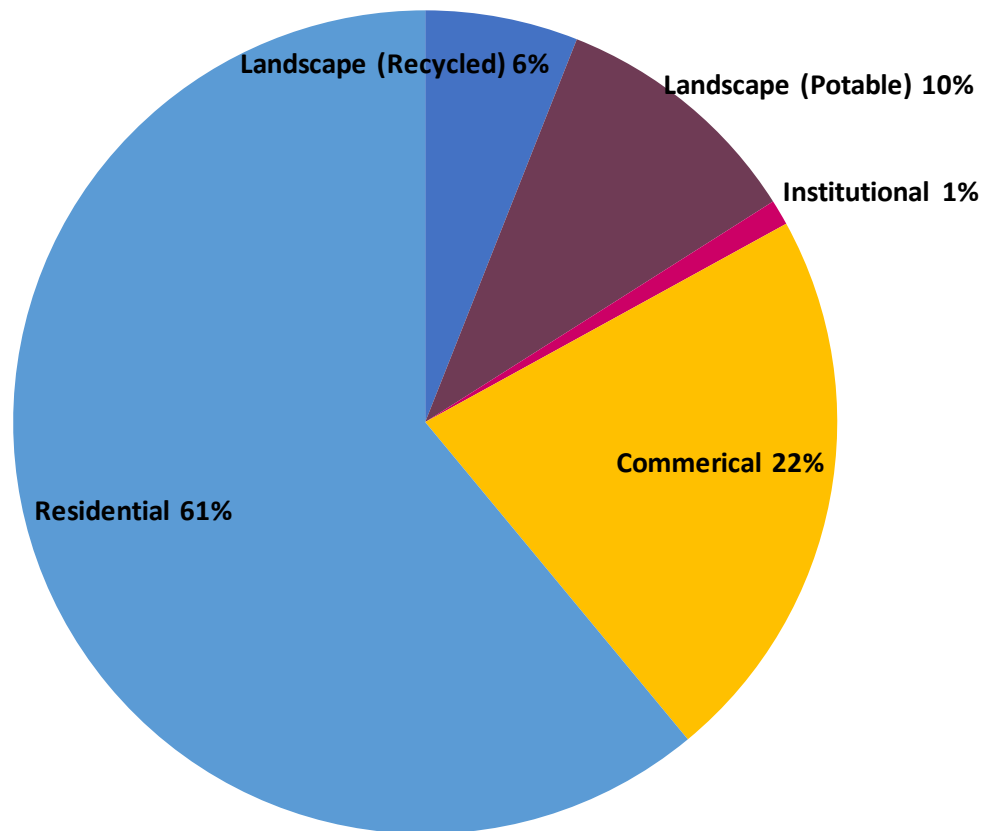
100%

Water supplies

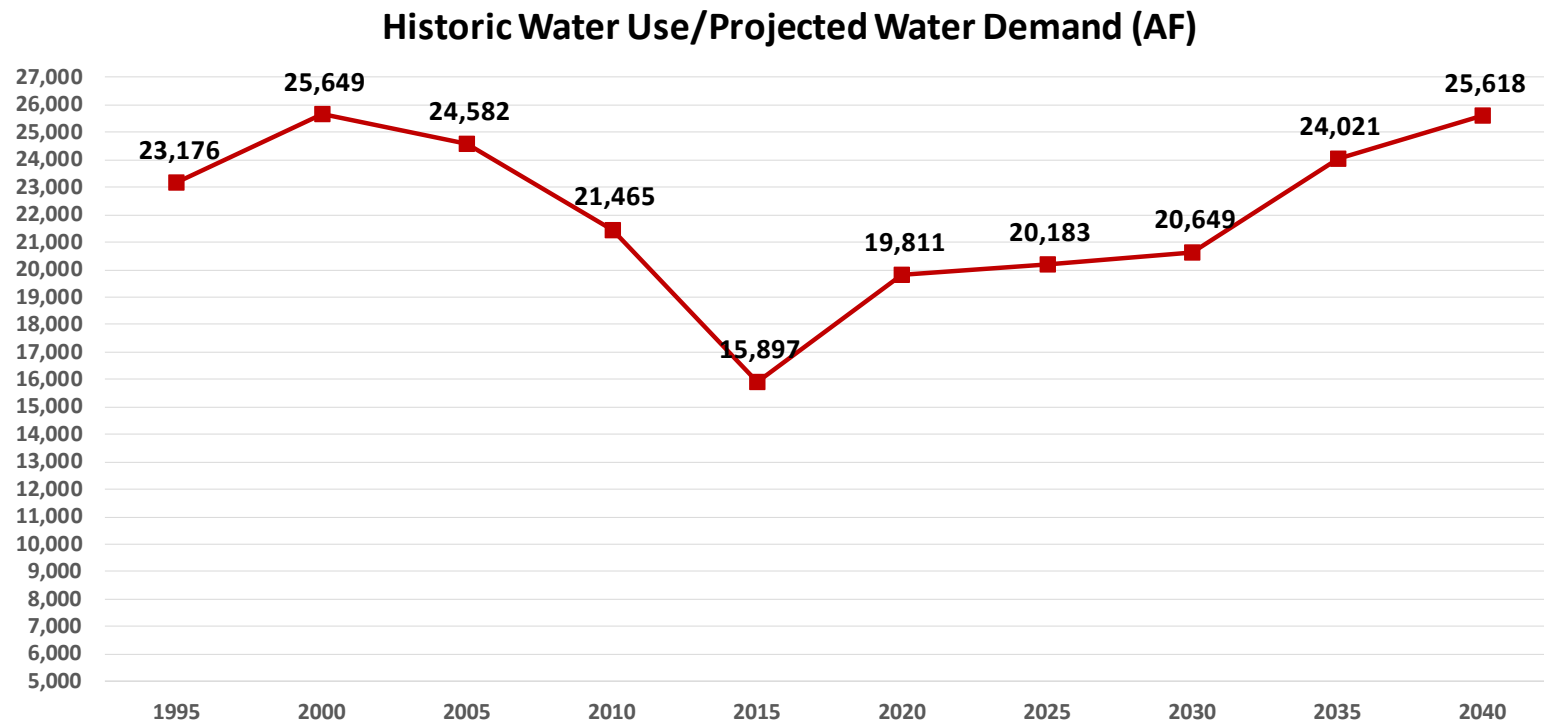
Sunnyvale's Sources of Water Supply FY 2019-2020



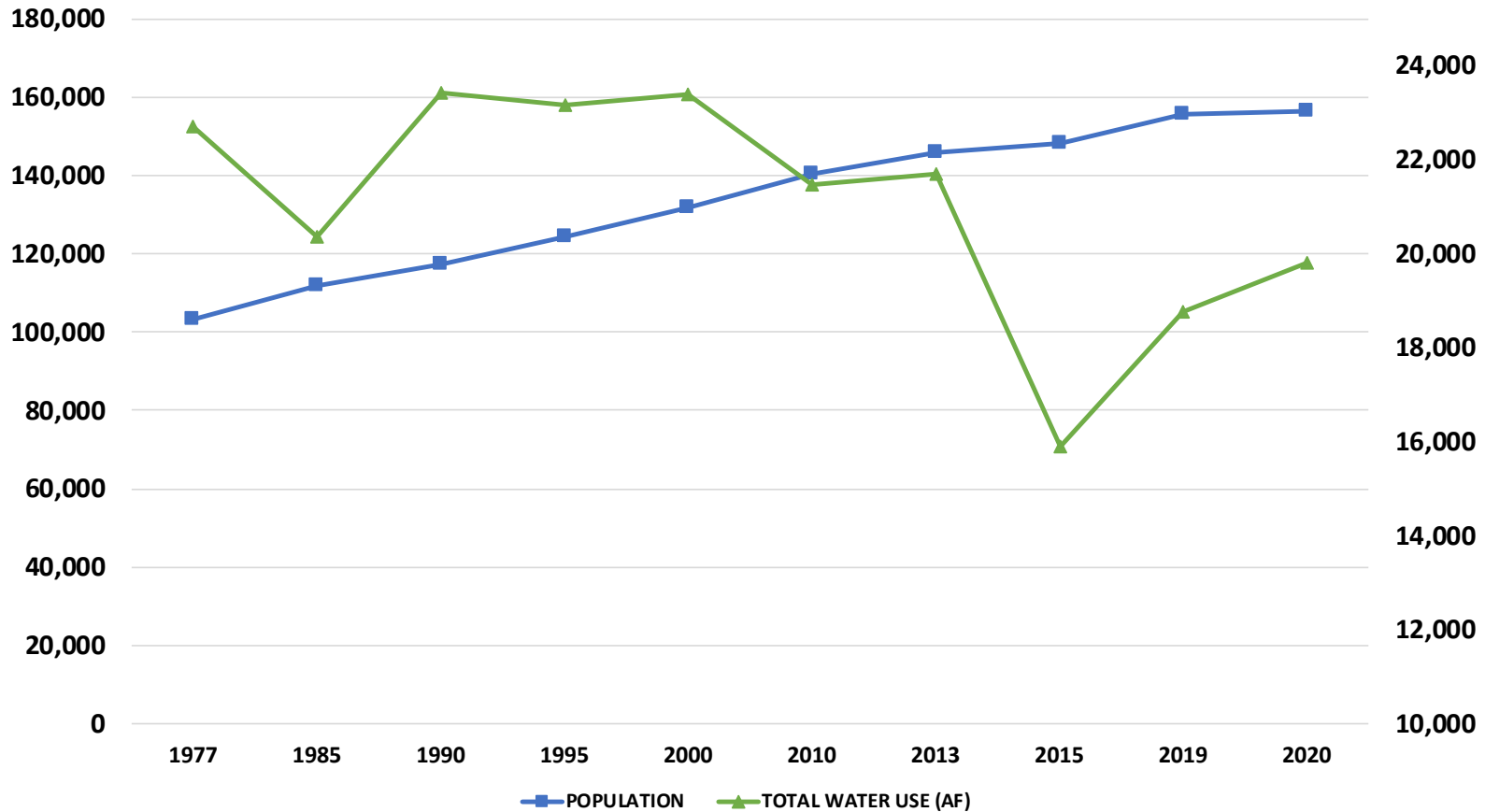
2020-Water Sales



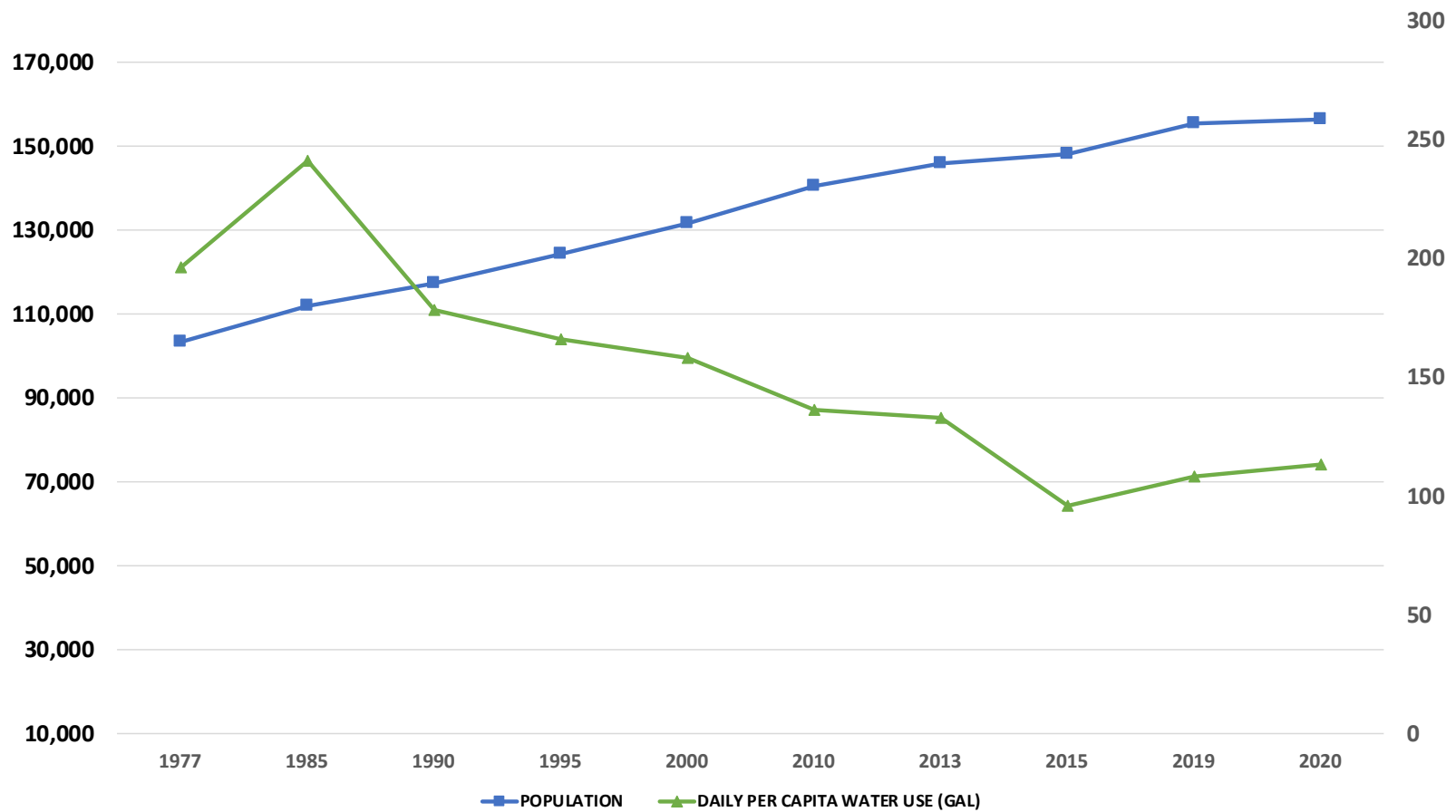
Potable Water Demands



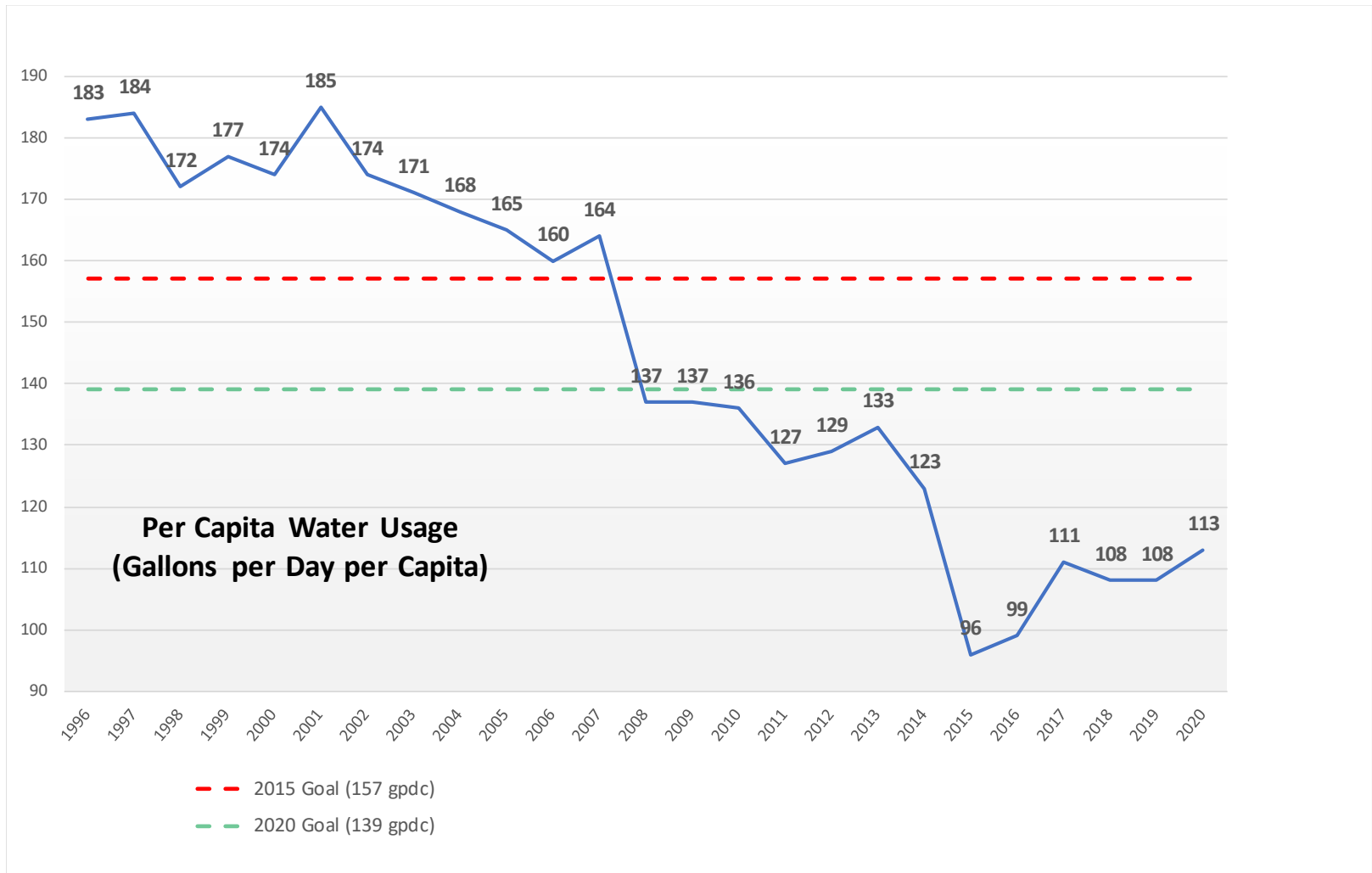
Water Use vs. Population



Per Capita Water Use



SBx7-7 Compliance



5-Year Drought Risk Assessment

Year	2021	2022	2023	2024	2025
Available Supply(acre-feet)	27,248	27,470	22,605	22,715	22,875
Sunnyvale Water Demand	19,952	19,998	20,045	20,091	20,183
Difference (Surplus)	7,296	7,472	2,561	2,625	2,642

Conclusion: With a diversified portfolio of water supply, combined with public outreach and demand management programs, Sunnyvale will be able to weather a 5-year drought.

Water Shortage Contingency Plan

Council Actions Tailored for each stage:

Plan Stage	Target Water Savings
Normal	-
I	Up to 10%
II	10%-20%
III	20%-30%
IV	30%-40%
V	40%-50%
VI	>50%

- Public Outreach
- Demand Side Management
- Rate Structures
- Water Use Restrictions
- Water Allocations

Current Drought:

- ***Valley Water Calls for 15% reduction compared to 2019***
- ***SFPUC Calls for 15% voluntary reduction compared to 2020***
- ***Governor call for 15% reduction compared to 2020***
- ***Sunnyvale staff will be recommending that Council declare a Stage 2 Drought Emergency calling for 15% reduction***

Permanent Restrictions in Sunnyvale Municipal Code 12.034.020

SERVING WATER



CAR WASHING



DRIVEWAYS



RUNOFF



Water Conservation Programs

1. Residential Programs
2. Landscape Programs
3. Commercial, Industrial, Institutional Programs
4. Agricultural Programs
5. Outreach/Education



Cities Participation

- Over 2300 orders since launch with only 3 days of active advertisement
- Areas with highest participation:
 - San Jose (1085), Sunnyvale (141), and Cupertino (134)
- Most ordered items:
 - Hose Nozzles (2250), Dye Tablets (and Bathroom Aerators (2002)





Questions?