



Sunnyvale

Sunnyvale City Council

Urban Water Management Plan Water Shortage Contingency Plan

June 29, 2021

Purpose:

- 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.
- Tonight's Council discussion is to review staff recommendations and adopt two resolutions: one for the 2020 UWMP and a second for the WSCP.

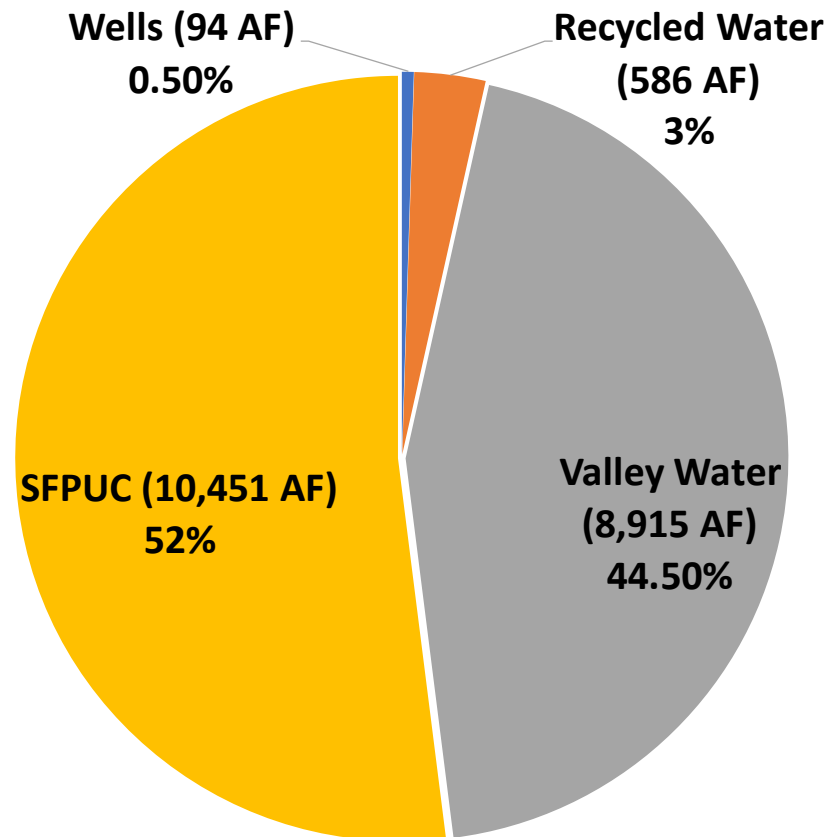
What is an UWMP?

- Long-term resource planning to ensure adequate water supplies and to meet existing and future water demands.
- Required by the ***Urban Water Management Planning Act***
- 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)

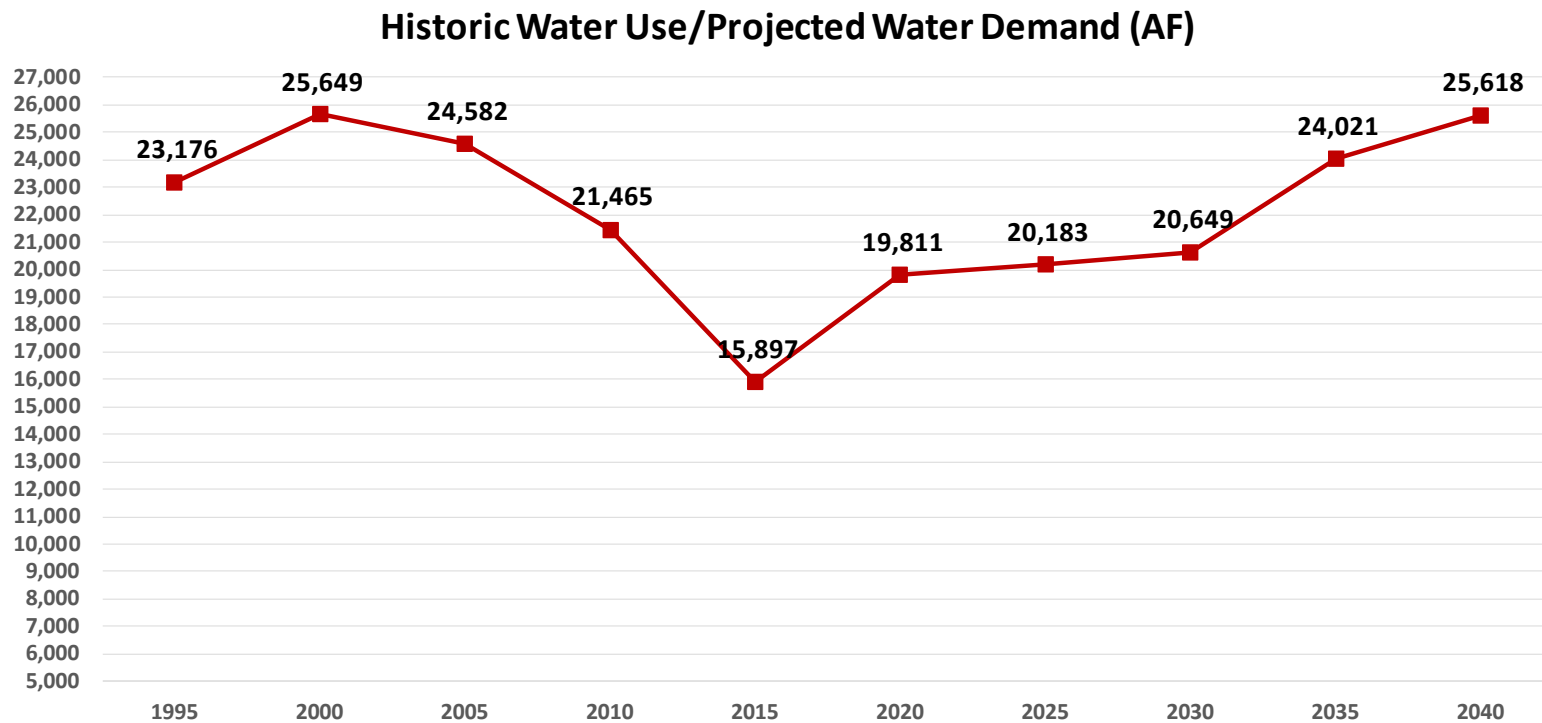
Updates Since 2016

- 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.

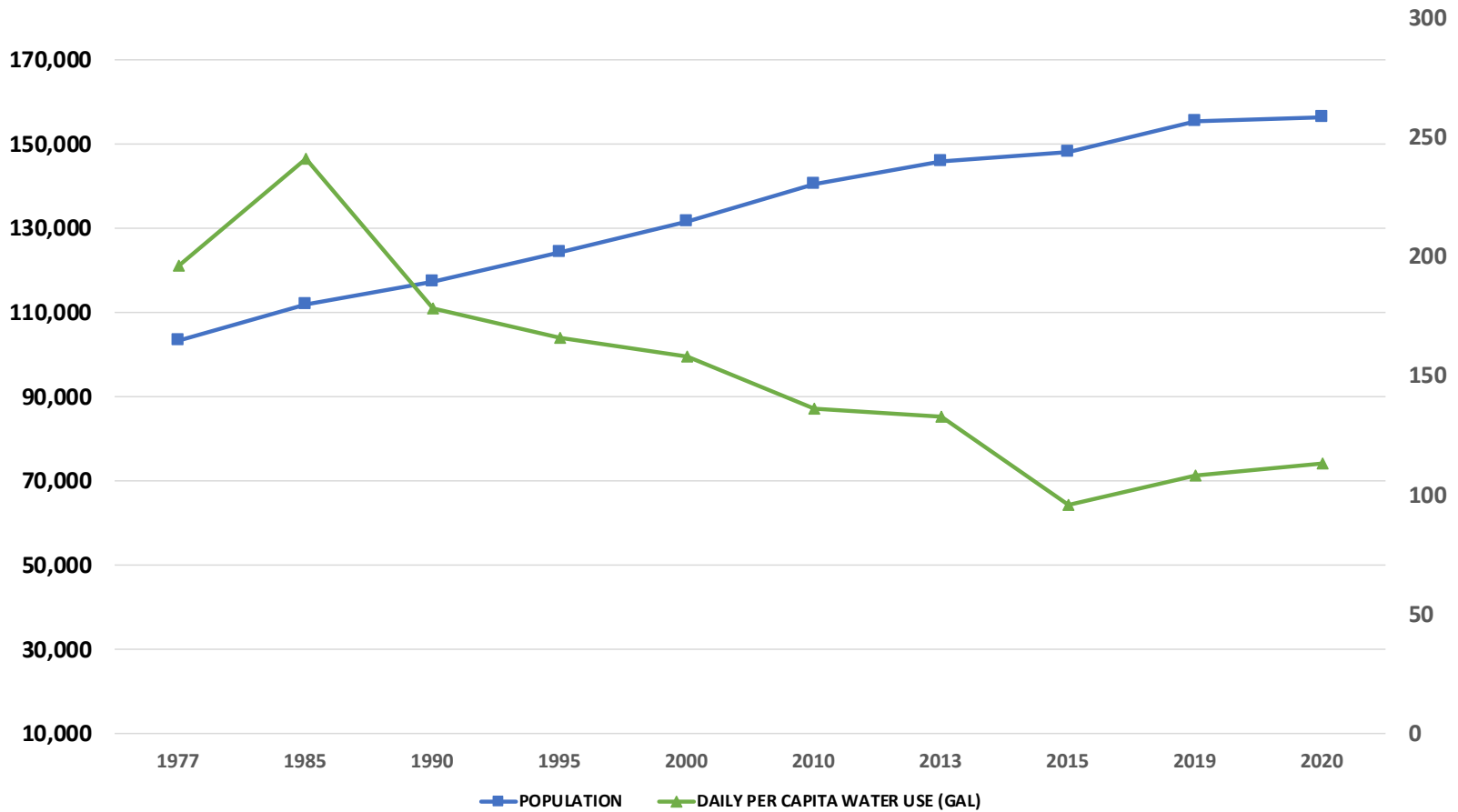
Sunnyvale's Sources of Water Supply FY 2019-2020



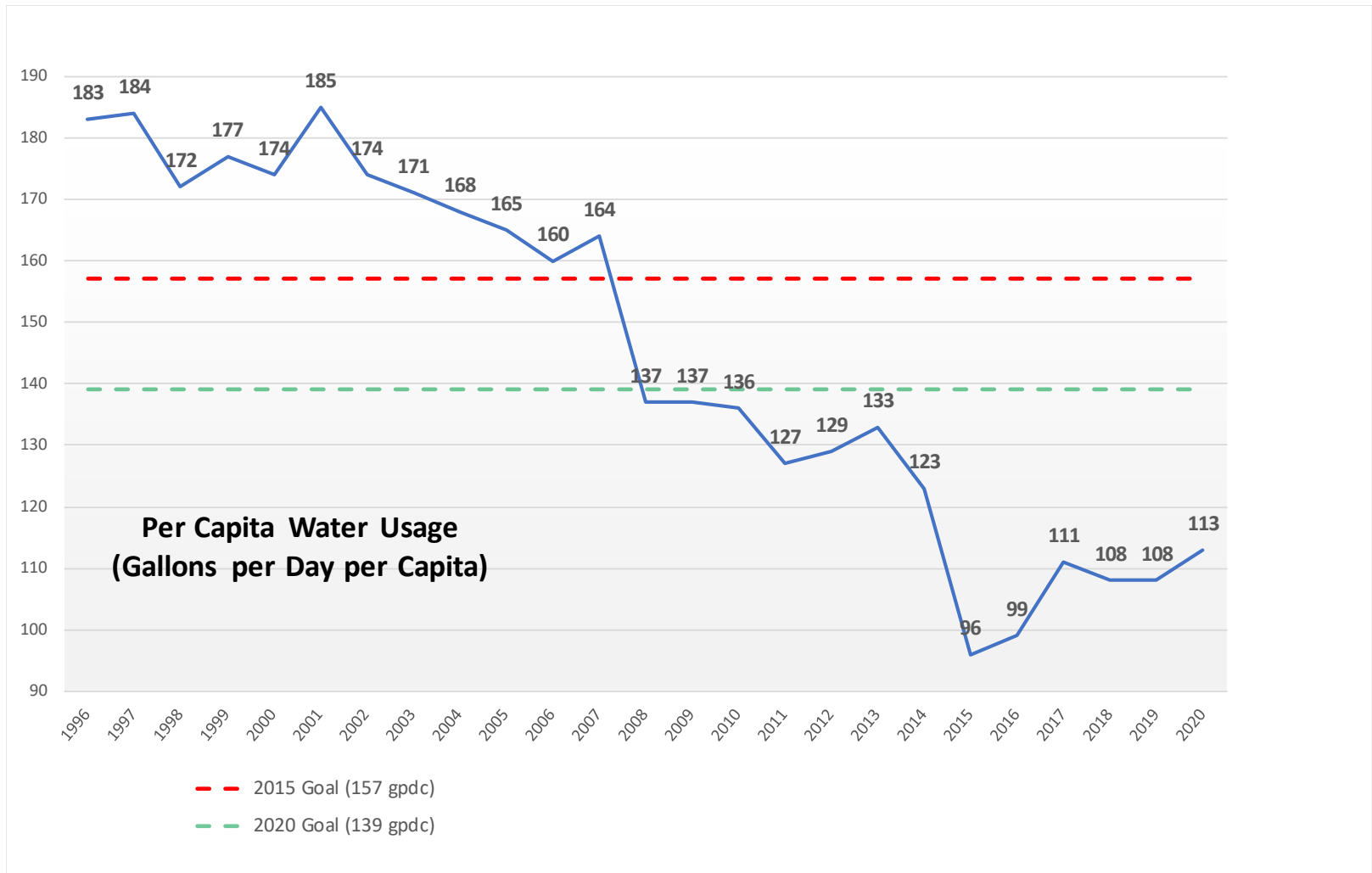
Potable Water Demands



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

Permanent Restrictions in Sunnyvale Municipal Code 12.034.020

SERVING WATER



CAR WASHING



DRIVEWAYS



RUNOFF



RECOMMENDATION:

- Adopt a Resolution approving the 2020 Urban Water Management Plan.
- Adopt a Resolution approving the Water Shortage Contingency Plan.



Questions?