

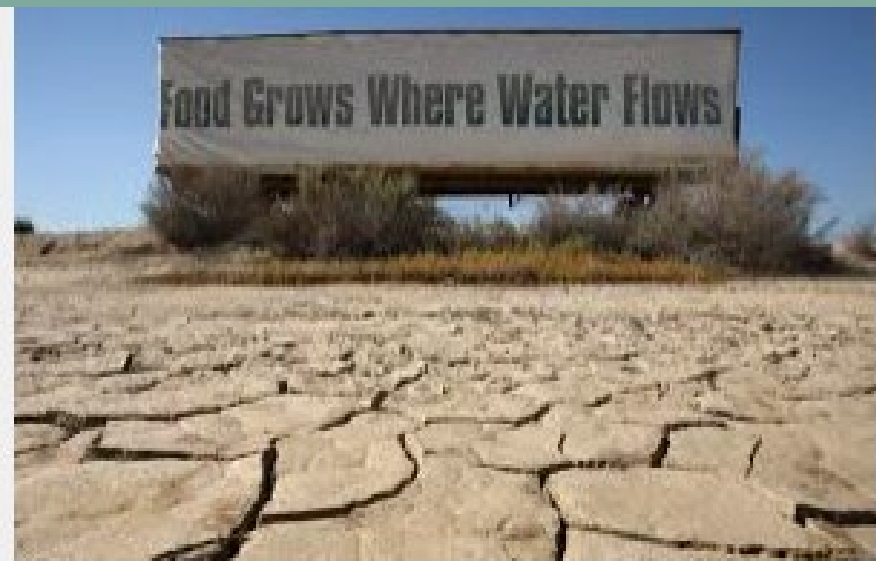
DRAFT

Water Supply & Conservation



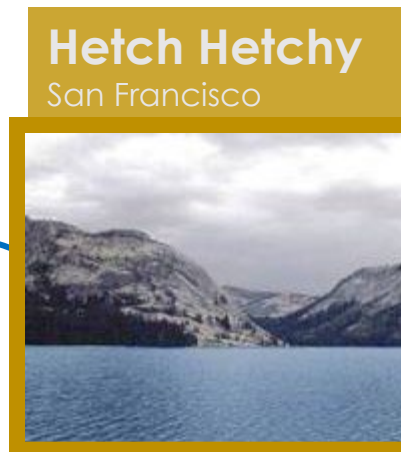
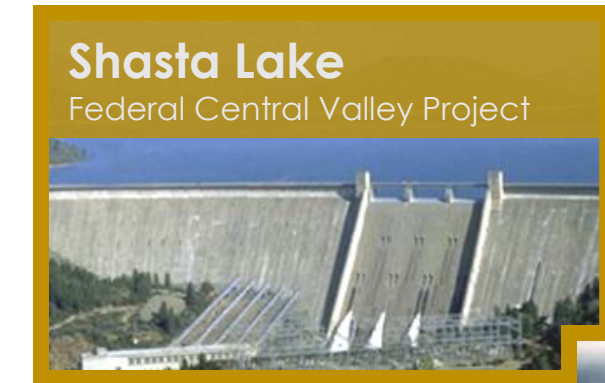
Sunnyvale

Sustainability Commission
September 19, 2022



Sources of Supply for Santa Clara County

DRAFT



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%

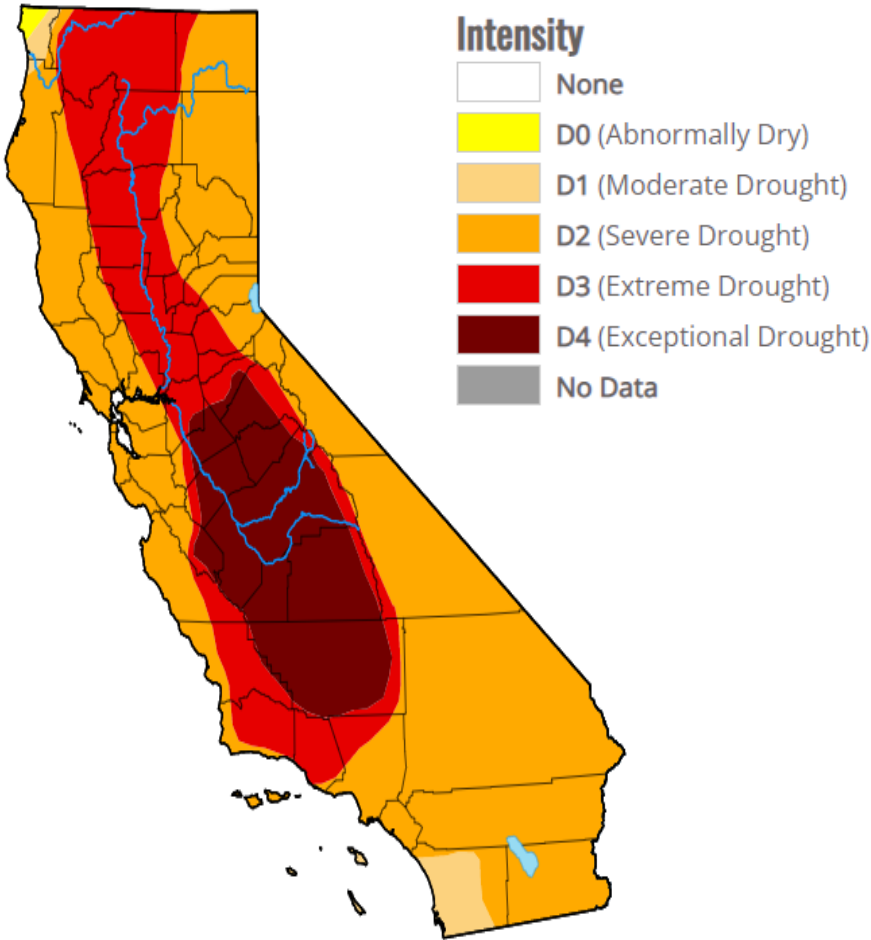
Water supplies

2022 Drought

California
DRAFT

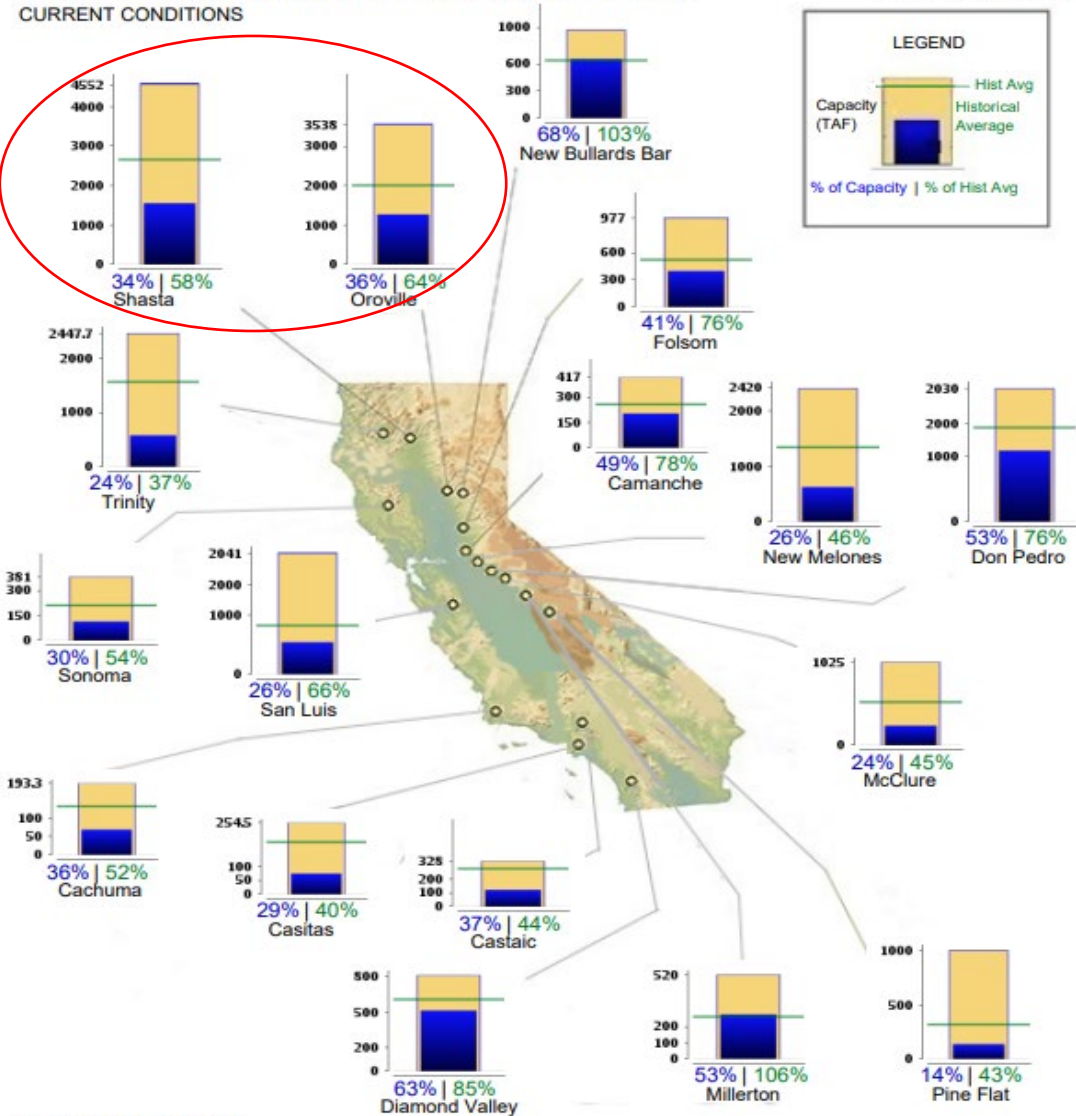
Map released: Thurs. September 8,
2022

Data valid: September 6, 2022 at 8 a.m. EDT



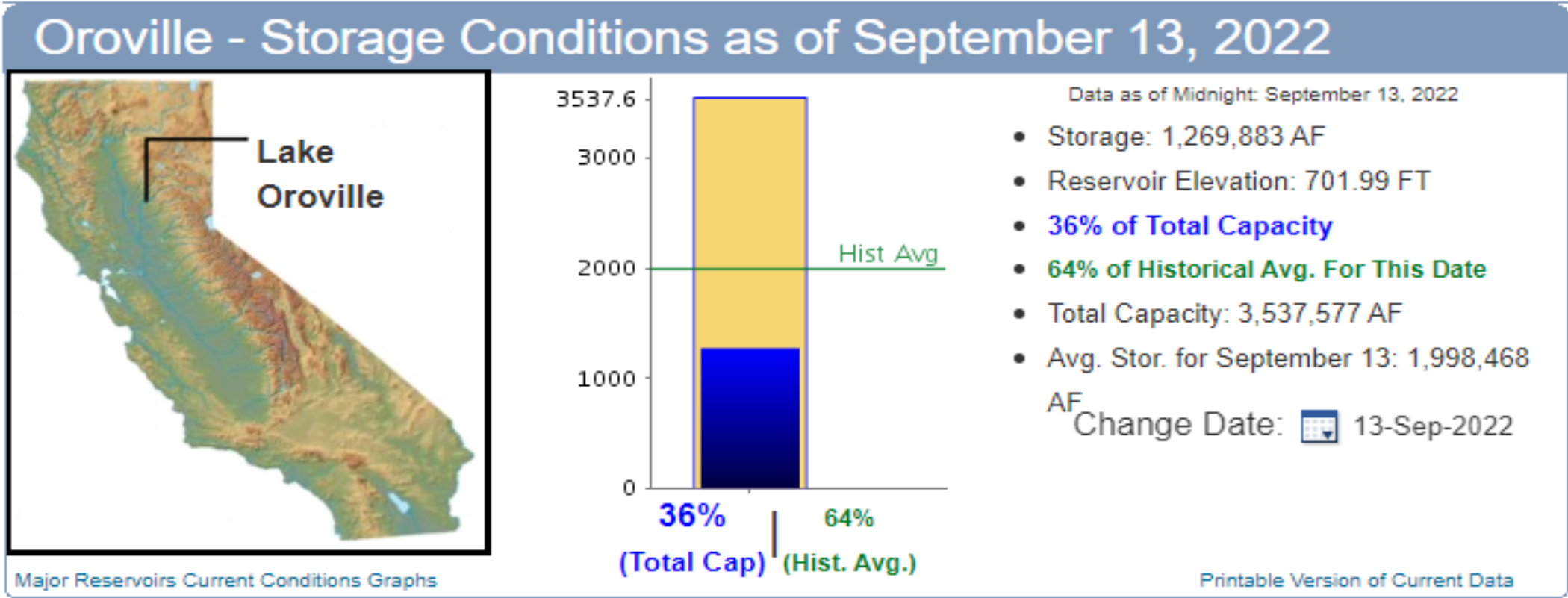
CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS
CURRENT CONDITIONS

Midnight - September 13, 2022



Updated 09/14/2022 10:18 AM

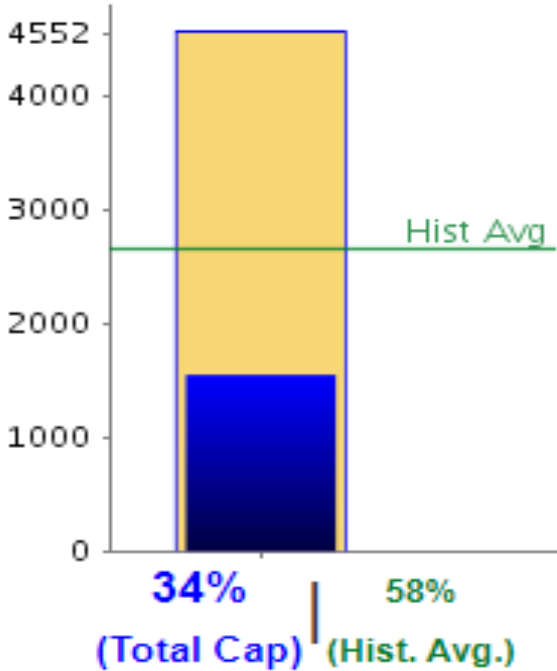
Lake Oroville



Shasta - Storage Conditions as of September 13, 2022



Major Reservoirs Current Conditions Graphs



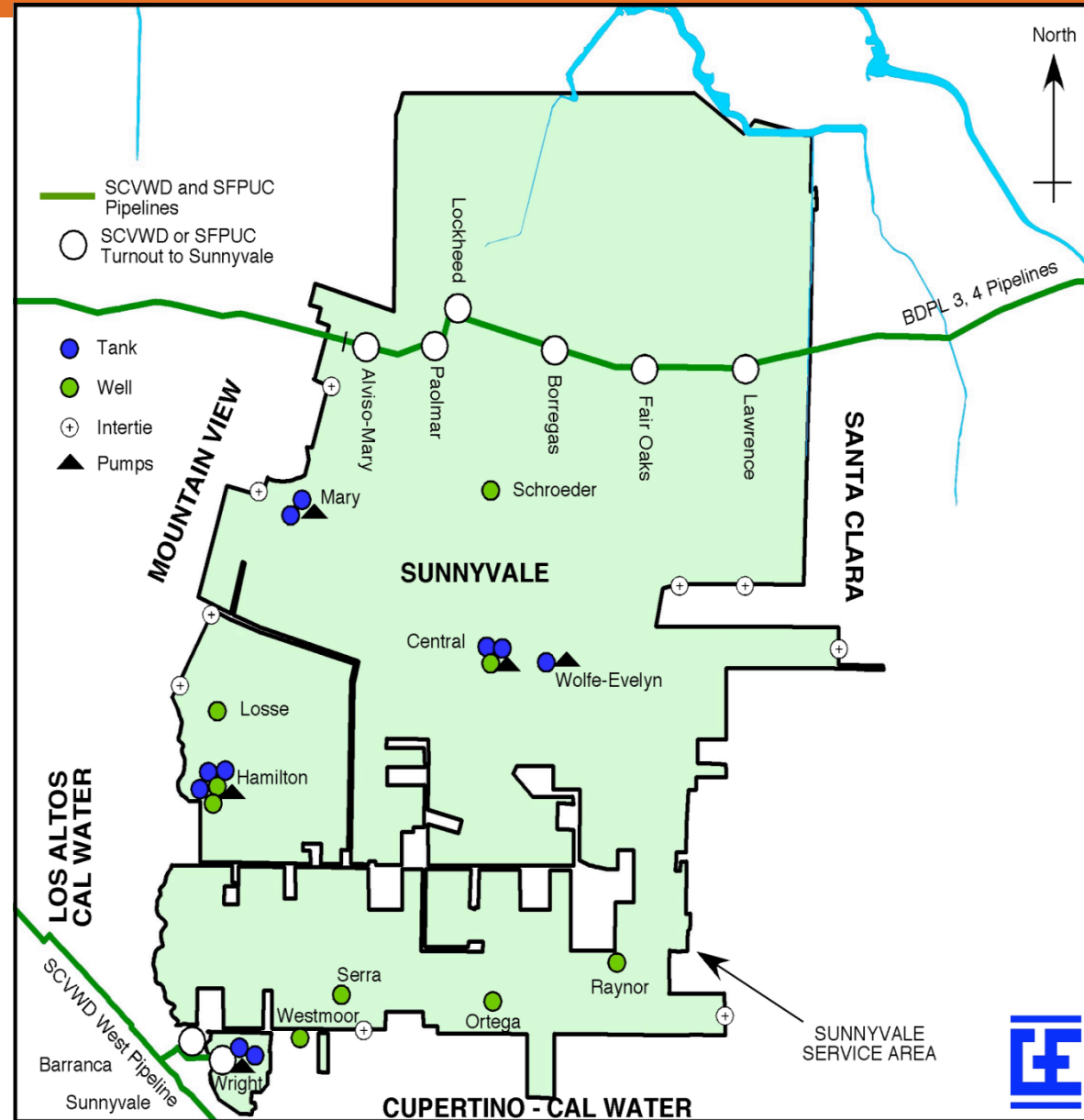
Data as of Midnight: September 13, 2022

- Storage: 1,549,785 AF
 - Reservoir Elevation: 928.87 FT
 - **34% of Total Capacity**
 - **58% of Historical Avg. For This Date**
 - Total Capacity: 4,552,000 AF
 - Avg. Stor. for September 13: 2,651,234 AF
- Change Date:  13-Sep-2022

[Printable Version of Current Data](#)

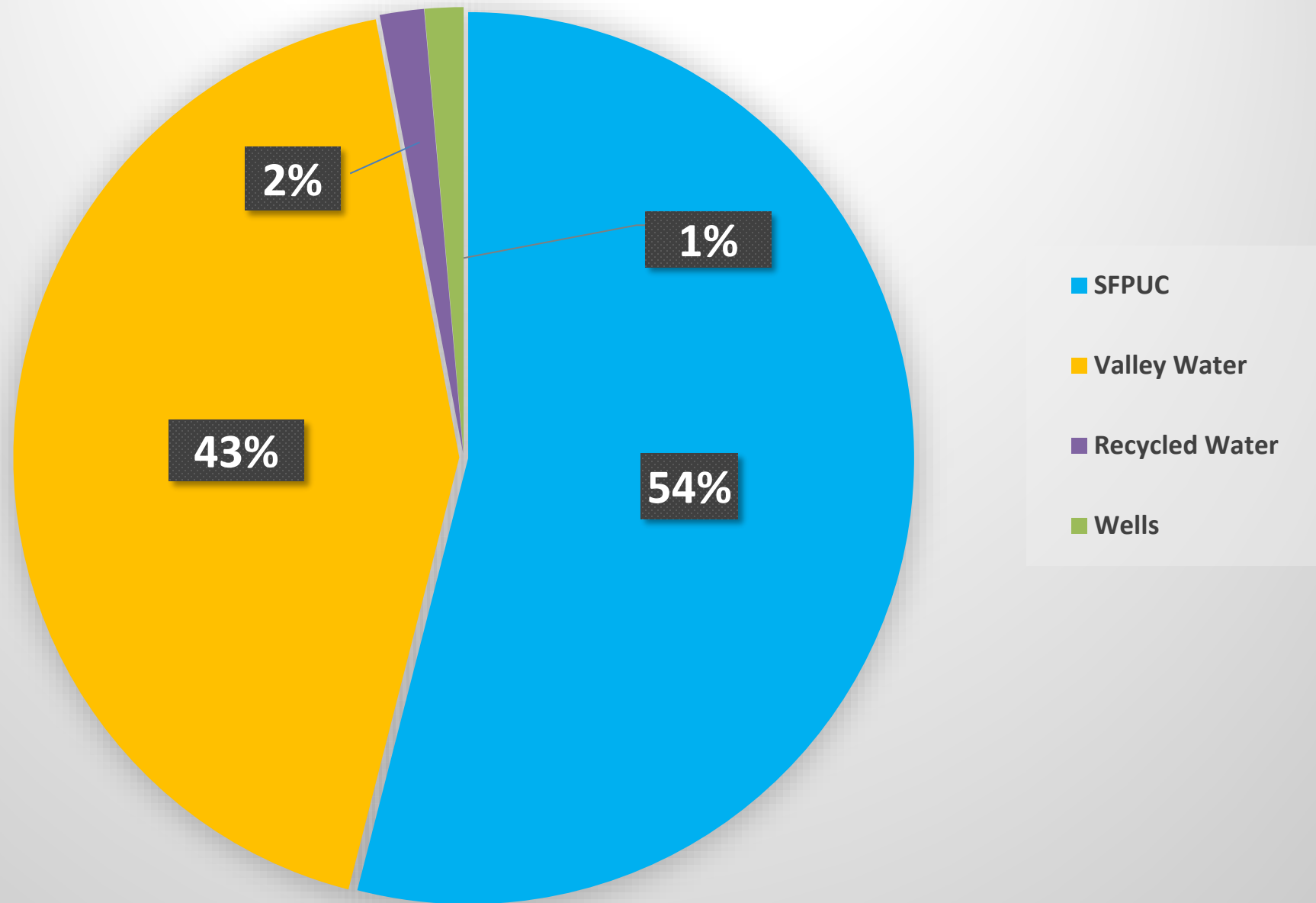
Sunnyvale System with Facilities

DRAFT



Sources of Supply 2021-2022

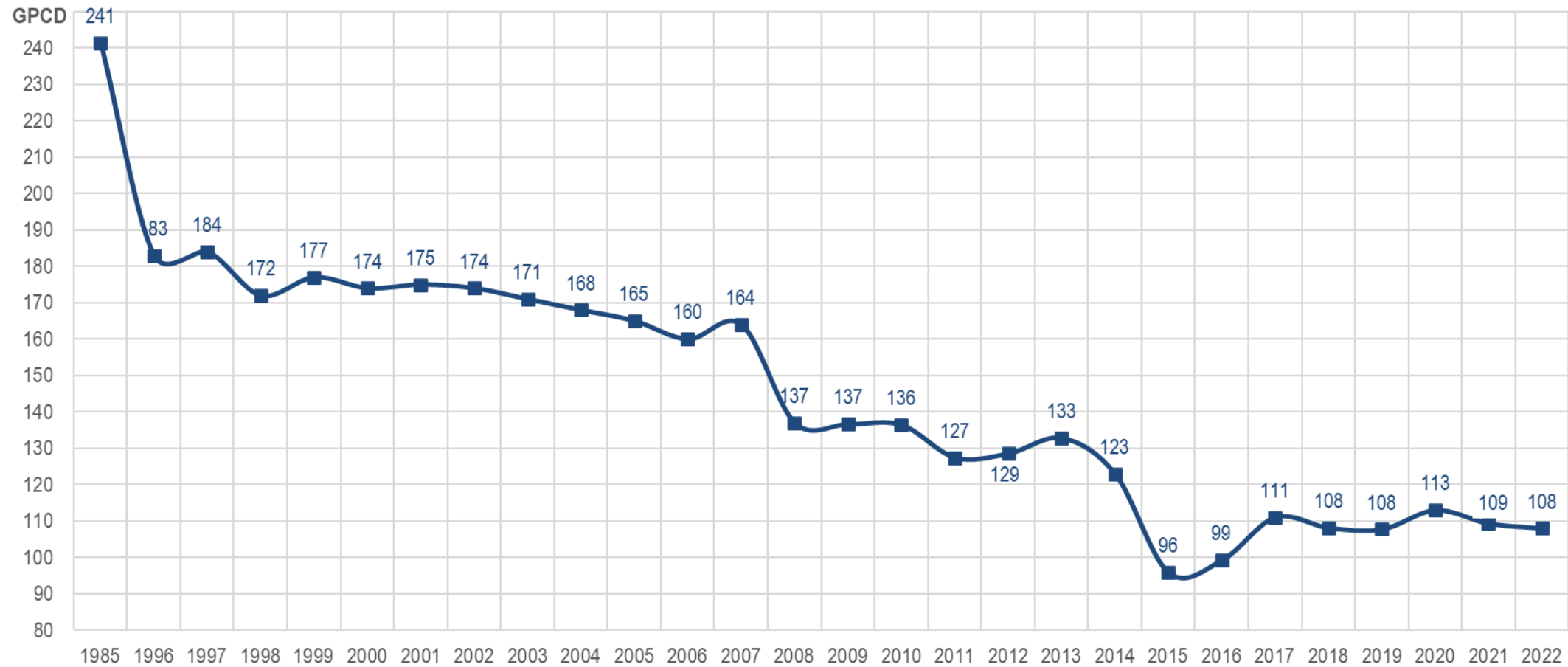
DRAFT



Water Use Trend 1985-2022

DRAFT

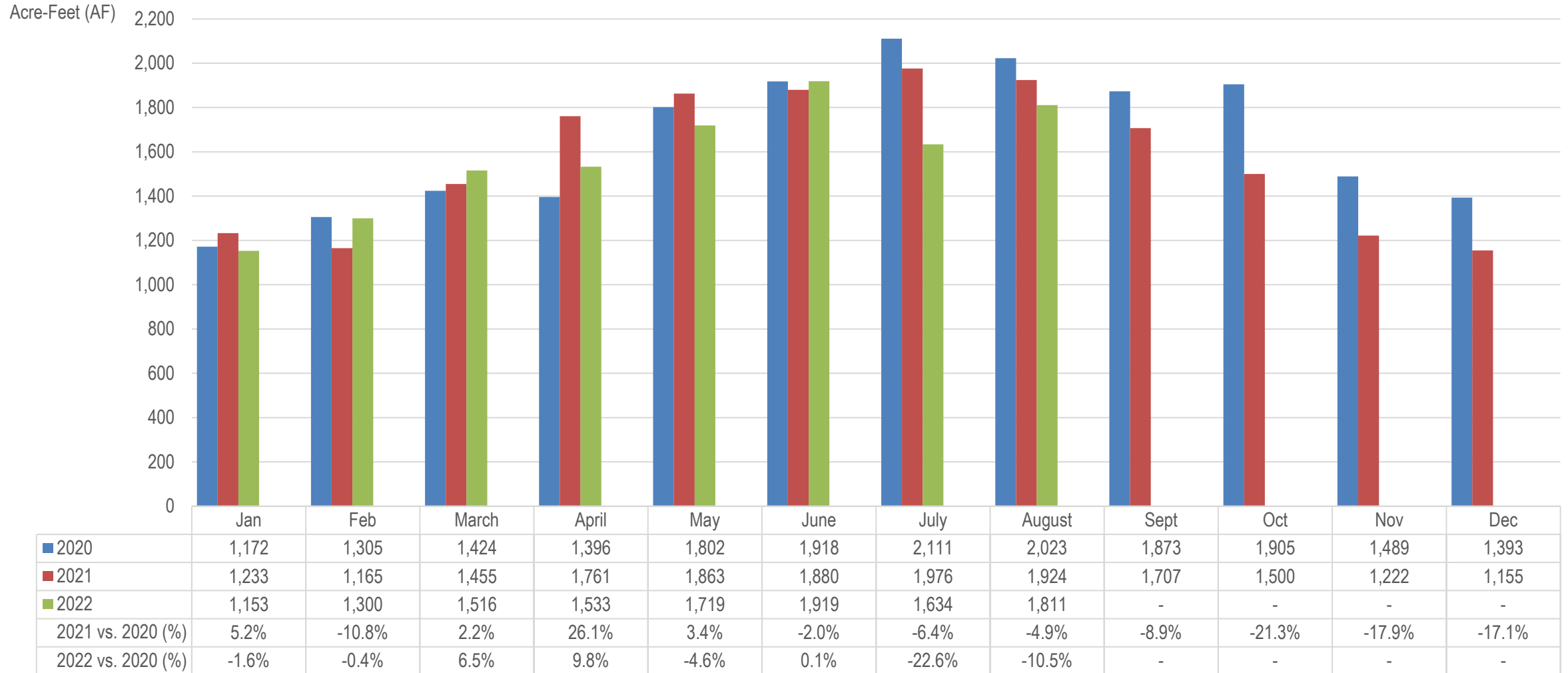
City of Sunnyvale Water Use Trend
Gallons per Capita per Day (GPCD)



Water Use 2020, 2021 & 2022

DRAFT

City of Sunnyvale Water Use
2020 - 2021 - 2022





Sunnyvale


Outreach Platforms


- City Drought and Water Conservation Webpage
- Postcard
- Yard Signs
- Theater Ads
- Utility Bill Insert
- Sunnyvale Sun Newspaper
- Facebook
- Nextdoor
- Sustainable Sunnyvale Newsletter
- Update Sunnyvale
- Horizon Article
- Community Tabling
- BAWSCA Landscape Webinars
- Outreach at Sunnyvale Public Library
- Other Signage



Environmental Services Department Webpage

- Updated June 2022
 - New watering schedule
 - Exceptions
 - Report water waste
- URL
 - Sunnyvale.ca.gov/SaveWater
- Access Sunnyvale
 - Report water waste in Sunnyvale to “Neighborhood Complaints” tab

 Sunnyvale

Enter Search Keywords 

Your Government

Recreation and Community

Homes, Streets and Property

News Center and Events Calendar

Business and Development

City Services

+ RECYCLING AND GARBAGE

+ HOUSING

+ UTILITY BILLING

- WATER AND SEWER

Water Pollution Prevention

- Water

Drought and Water Conservation

+ Water Quality

+ Recycled Water


+ Sewer

+ FLOOD PROTECTION

+ STREETS AND TREES

+ TRANSPORTATION AND TRAFFIC SAFETY

+ NEIGHBORHOOD RESOURCES

 Water Saving Rebates

Homes, Streets and Property > Water and Sewer > Water >

Drought and Water Conservation

Font Size:  [Share & Bookmark](#)  Print

Water supply conditions fluctuate in our dry climate. Using water wisely remains an important practice. We encourage you to continue making water conservation a way of life.

The City Council declared a Stage 2 water supply shortage on July 27, 2021. To conserve water Sunnyvale is aiming to reduce water use by 15% from 2020 levels. This means you can water your lawn and garden **only two days a week** depending on your address.

Mandatory Watering Schedule

This schedule is effective immediately for all Sunnyvale residents and businesses regardless of water provider. Your schedule is based on the last number of your street address.

STREET ADDRESS	MAY WATER ON
Ends in odd number	Monday, Thursday
Ends in even number	Tuesday, Friday
No address	Monday, Thursday

The City has permanent water restrictions in place to promote conservation. Resources and rebates are available to help you reduce water use in your home or business. Working together we can meet our conservation goals and protect our water supply.

Exceptions: You are allowed to use a watering can or a hose with an automatic shut-off nozzle to water your garden. Using these methods you don't need to limit watering to two days a week. Continue to water before 9 a.m. or after 6 p.m. for water-use efficiency.

[Read the City's Water Conservation Restrictions](#)[Report water waste in Sunnyvale.](#)

Water Conservation Programs

- [Schedule a free Water Wise Survey](#) with the Santa Clara Valley Water District. You'll learn how to assess your water use and reduce your water bill.
- [Monitor drought conditions in the state](#)
- [Attend a workshop to reduce water usage in your yard](#)
- [Get tips on gray water usage](#)
- [Find out if you need a plumbing permit for your gray water system](#)
- [Learn about water-wise landscaping practices from South Bay Green Gardens](#)
- [Find out about rebates on rain barrels](#)
- [Water-wise car washing tips](#)

Track Your Water Usage:

- [Learn how to read your water meter](#)
- [Use BAWSCA's Water Calculator to optimize your irrigation schedule](#)

Water Conservation Postcard (Double-sided)

Reach:

- 61,264 households
- 3,750 Businesses
- 100 extra without address for tabling

Frequency:

- One-time via mail

Status:

- Mailed week of June 20, 2022



Yard Signs – 24x18 in

Distribution:

- Three English graphics
- One Spanish graphic (targeted to North Sunnyvale)
- 250 total

Frequency:

- Use on Public property/ medians

Status:

- Deployed in August 2021
- 50 new signs deployed in June 2022



Other Signage



Kifer Building



Butcher's
Corner Banner

Movie Theater Ads

Theaters:

- Sunnyvale AMC
- Santa Clara Mercado

Dates:

- July 8 – July 21
- December 19 –
December 29



Water Conservation Programs

DRAFT

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



Permanent Restrictions in Sunnyvale

DRAFT



SERVING WATER



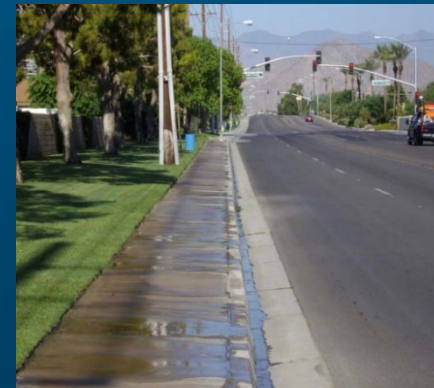
CAR WASHING



DRIVEWAYS



RUNOFF



NEXT STEPS:

In the event of another dry year, the following will likely happen:

- 1- Council Declares a Water Shortage Emergency Sets Stage 3 or higher
- 2- Water Allocation Program/Rationing
- 3- Water Use Surcharge /Penalties
- 4- Additional Extensive Outreach