

**WE'RE FIGHTING**  
**THE**  
**DROUGHT**  
**INSIDE & OUT**



**Providing Safe, Clean Water  
During a Historic Drought**

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Chair, Board of Directors

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Chief Executive Officer

**Santa Clara Valley  
Water District**  


# Our integrated approach to water

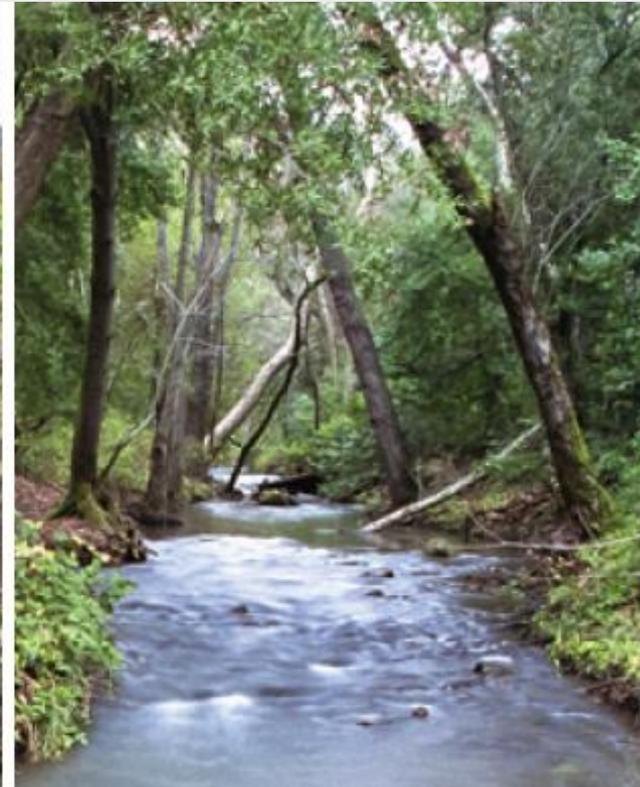
**Mission:** Providing Silicon Valley safe, clean water for a healthy life, environment and economy



**CLEAN, RELIABLE WATER**



**FLOOD PROTECTION**



**HEALTHY CREEKS &  
ECOSYSTEMS**

# Who we serve

**2 million** people

**15** cities

**4,700** well owners

**13** water retailers

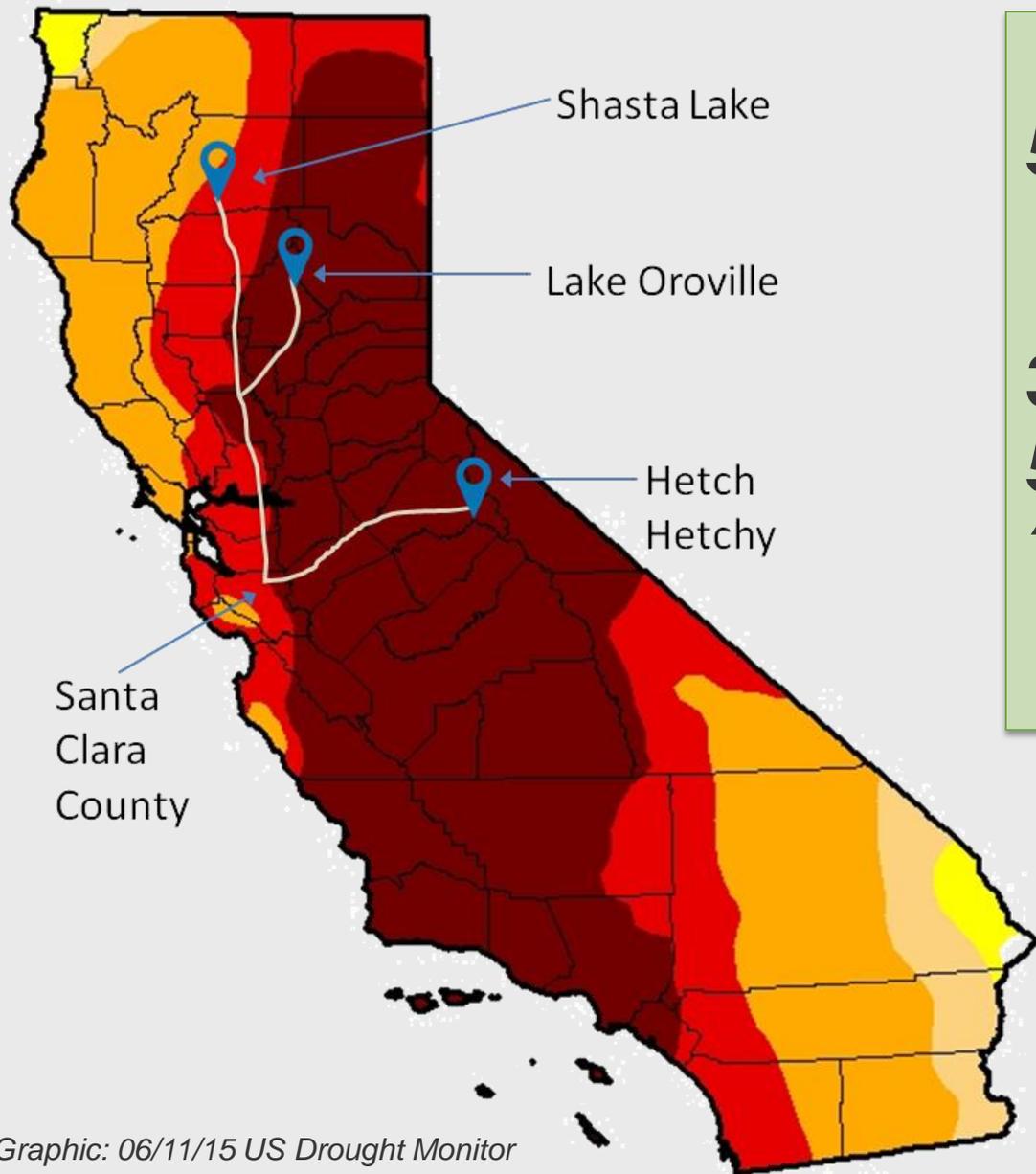
**5** watersheds



# Federal projects needing appropriations



# A diverse water portfolio



## Water Supplies

**55%** Imported

•40% CVP/SWP

•15% Hetch Hetchy

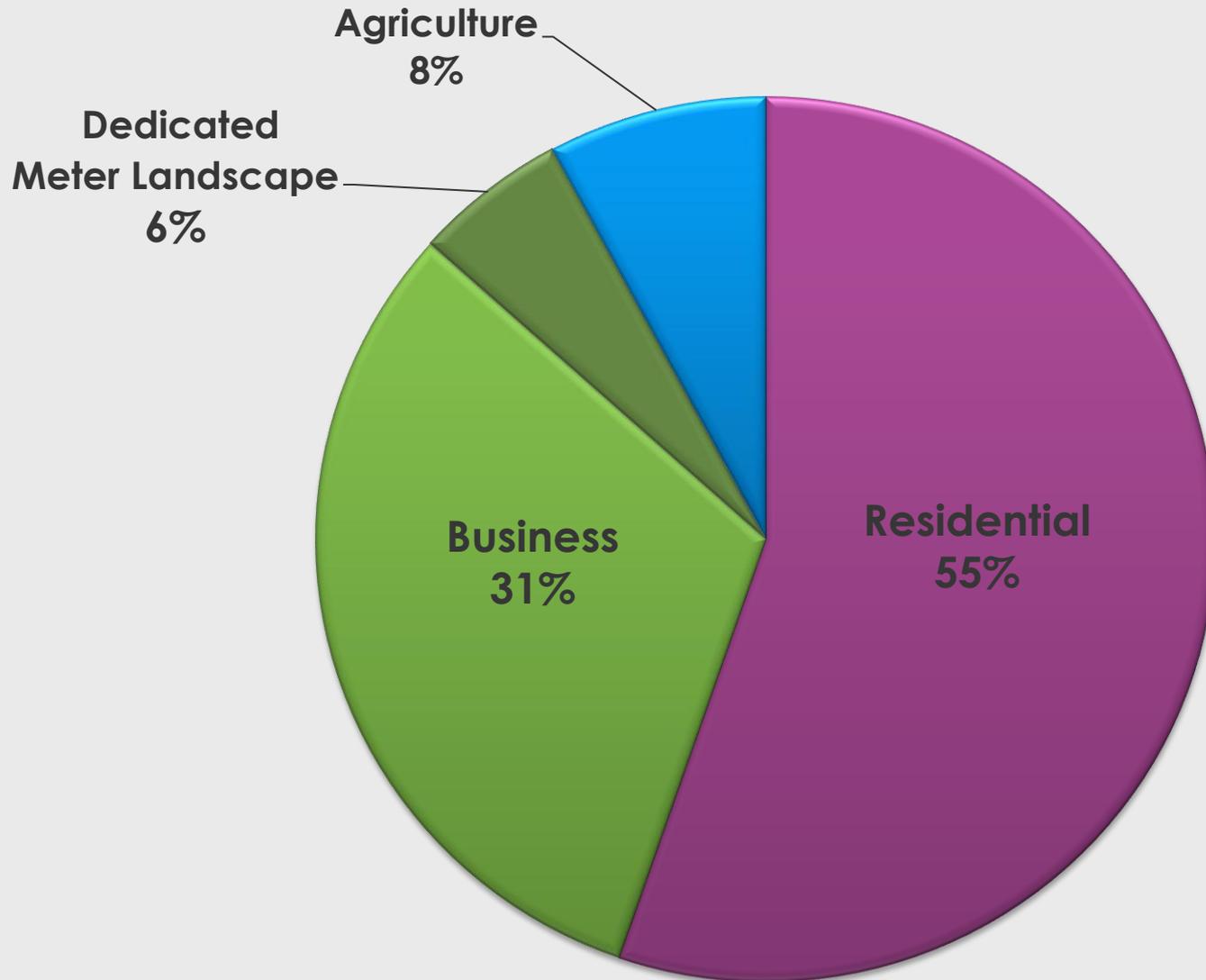
**30%** Local

**5%** Recycled Water

**10%** Conservation

*In an average year*

# What is the water used for?



# An integrated, comprehensive system



10 reservoirs  
3 pump stations  
800 miles of streams  
142 miles of pipelines  
3 water treatment plants  
17 flood protection projects  
400 acres of recharge ponds  
609 acres of restored habitat  
1 advanced water purification ctr

100,000 parcels protected from flooding  
121 billion gallons annual water usage



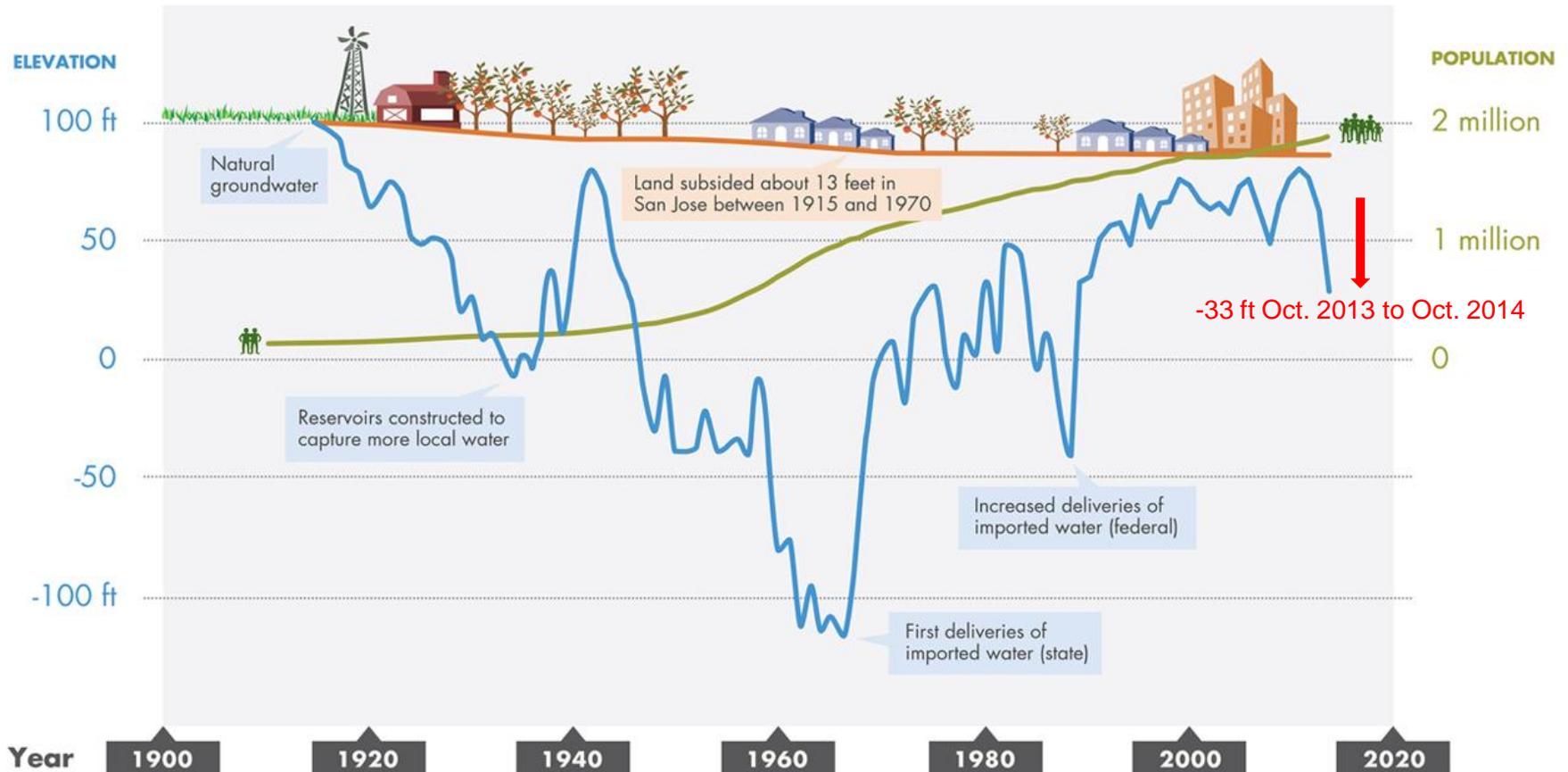
# Local groundwater management

## SANTA CLARA COUNTY GROUNDWATER AT-A-GLANCE

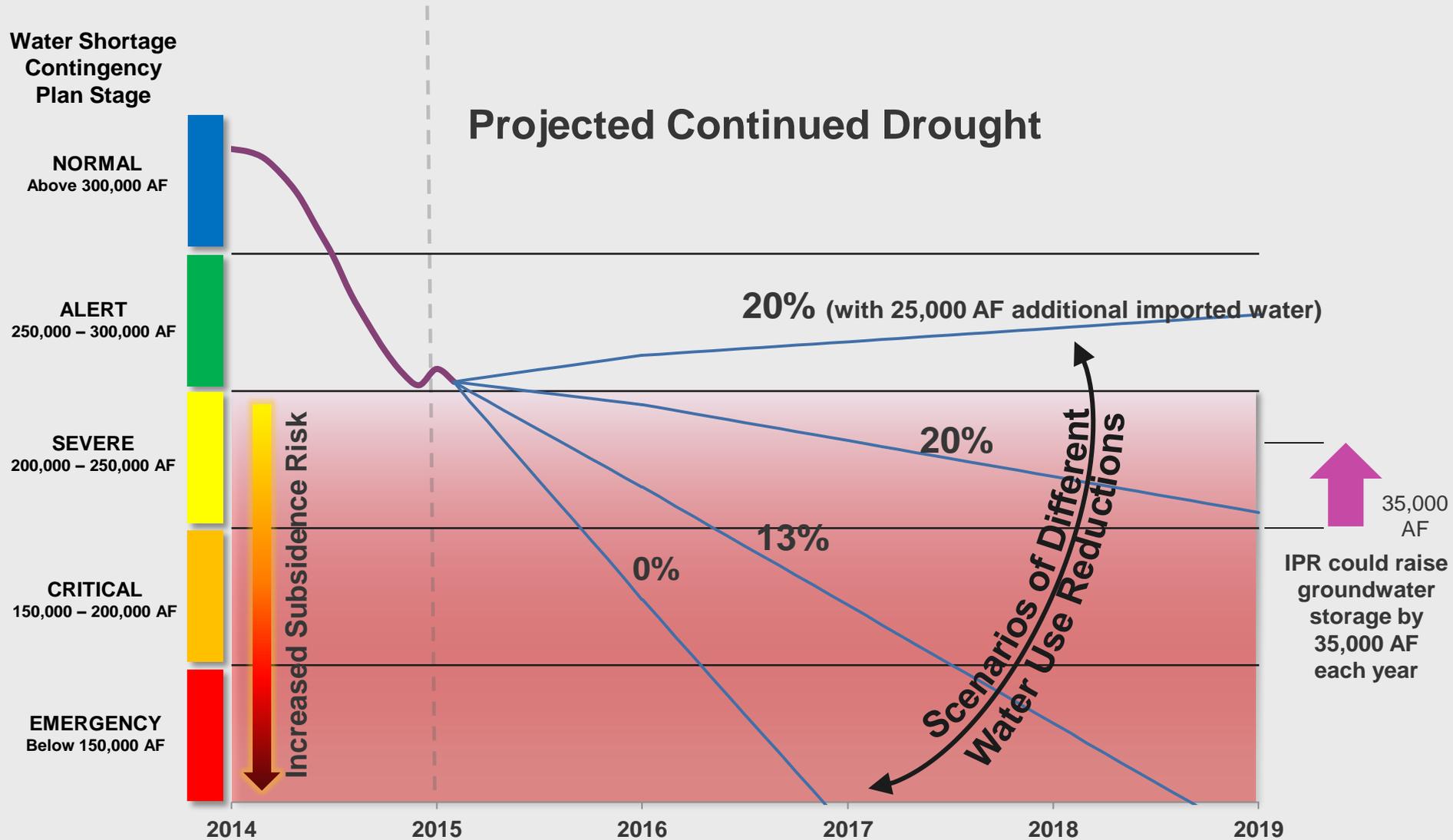
*a graphic representation not intended as a technical exhibit*



**Land Surface Elevation**      **Groundwater Elevation**      **Population**



# What is at risk?



# Local water supplies increasingly scarce

- Imported water allocations at 20-25%
- Reservoir storage at 49% of average
- Groundwater down 80,000 acre-feet in one year
  - *Subsidence a real threat*



# Comprehensive District drought response

- 15 response strategies established (p. 43)
- Short, medium, and long term actions identified (p. 11)
- 2015: Board calls for 30% reduction (20% in 2014)
- Securing imported water
- 2 Drought Summits convened electeds, retailers
- Pursuing permanent solutions



*2015 Elected Official Drought Summit*



*Silicon Valley Adv. Water Purification Center*

# Water conservation innovations

1. Water Conservation Research Grants
2. Water Waste Inspectors
3. Consistent Watering Schedule Countywide
4. Landscape Rebate Program
5. Graywater Rebate Program



# Landscape rebate program results

- Turf Conversion Rebate Program
  - **\$2/sq. ft.**
  - **800%** increase in participation
  - **2.5 million** sq. ft. (57 acres) converted in 2 years
- Everyone Eligible (e.g. homes, businesses, schools, public agencies)



# Graywater rebate program

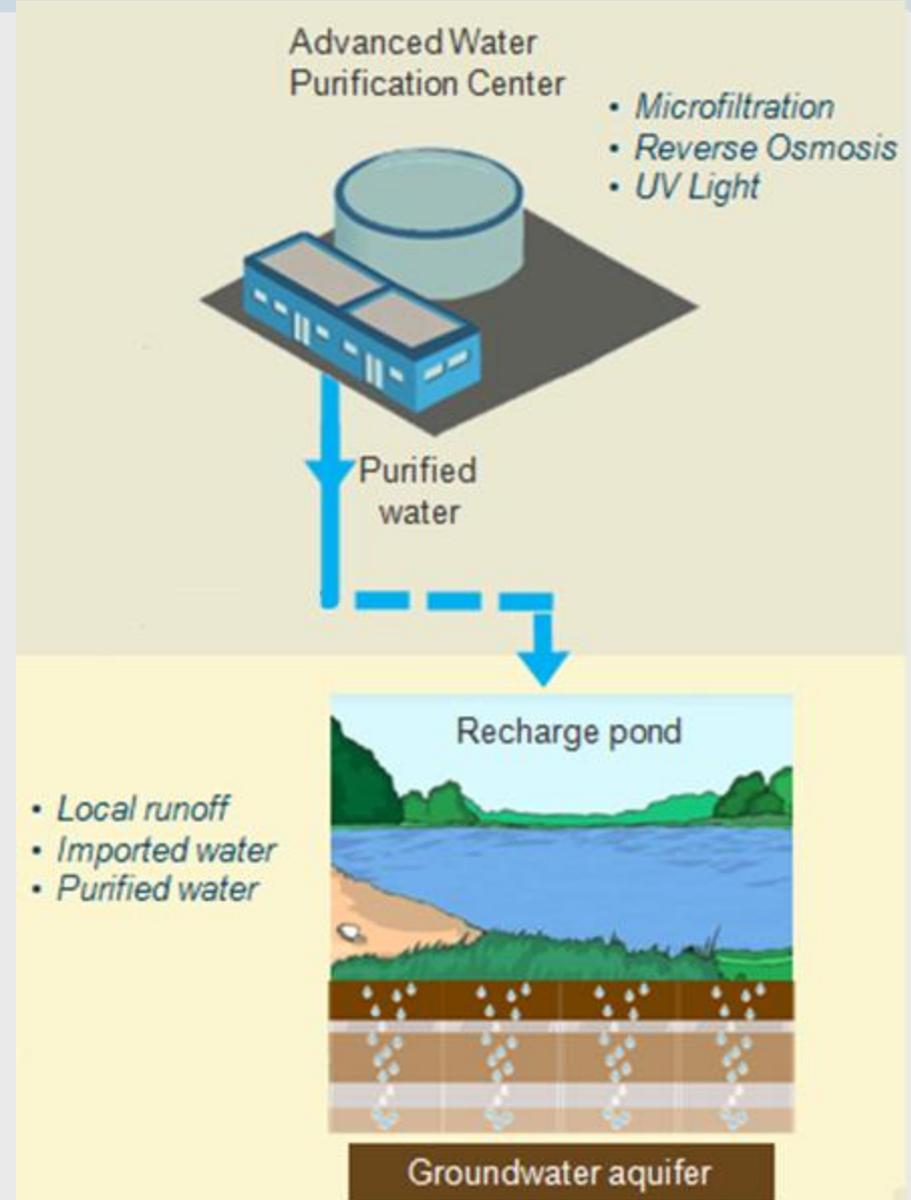
- Uses rinse water from clothes washer to irrigate outdoor plants
- SAFE for plants—contains very little soap/chemicals
- Saves 14,000 gallons of water/year
- **\$200 rebate**



*Terra Nova Graywater Landscape  
(photo credit: John Russell)*

# Expanding purified recycled water

- Silicon Valley Advanced Water Purification Center
  - **8 MGD** purified water
- Expediting IPR/DPR Projects
  - **5** Projects
  - **45,000 Acre-Feet** of additional water
  - Drought-proof & local
  - **Partnership** with 2 cities, IOUs, businesses



# How the Water Commission can help

- Allocation of Prop 1 dollars towards:
  - groundwater storage
  - replenishment programs
- Supporting federal appropriations for:
  - flood protection
  - recycled water funding





# Questions?

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