

Pre-Tour Survey



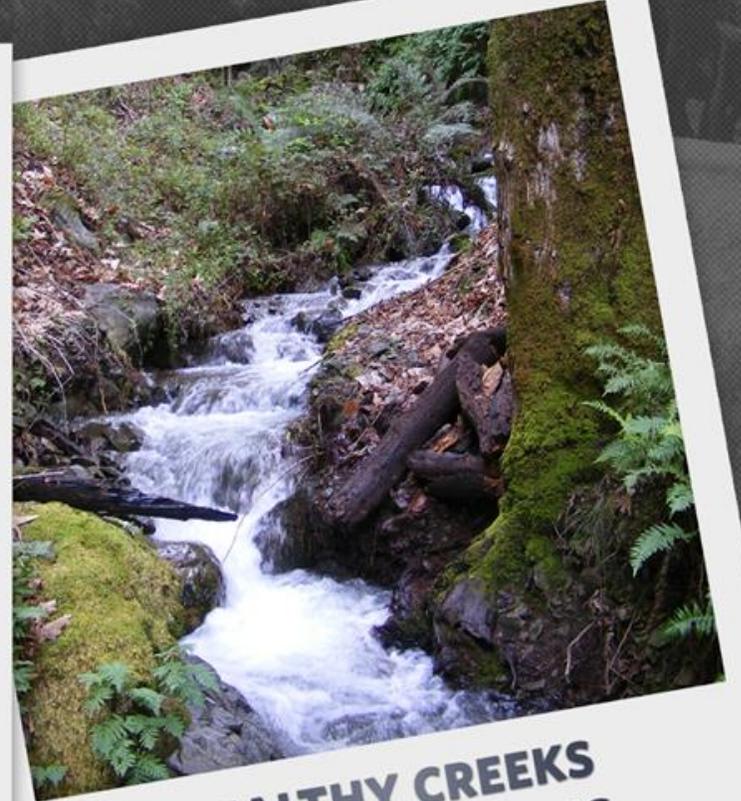
Valley Water provides:



CLEAN, RELIABLE WATER



FLOOD PROTECTION



**HEALTHY CREEKS
AND ECOSYSTEMS**

By the Numbers



294

miles owned
out of 800 miles of
streams in Santa
Clara County



10

dams and surface
water reservoirs



3

water
treatment plants



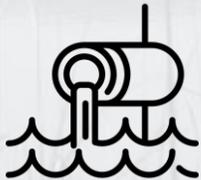
1

advanced water
purification center



1

state-of-the-art water
quality laboratory



142

miles of
pipelines



102

groundwater recharge
ponds covering 277 acres

Comprehensive Water Supply System



15 Cities

2,000,000 People

13 Local water retailers

4,700 Direct well owners

Water Supply Breakdown

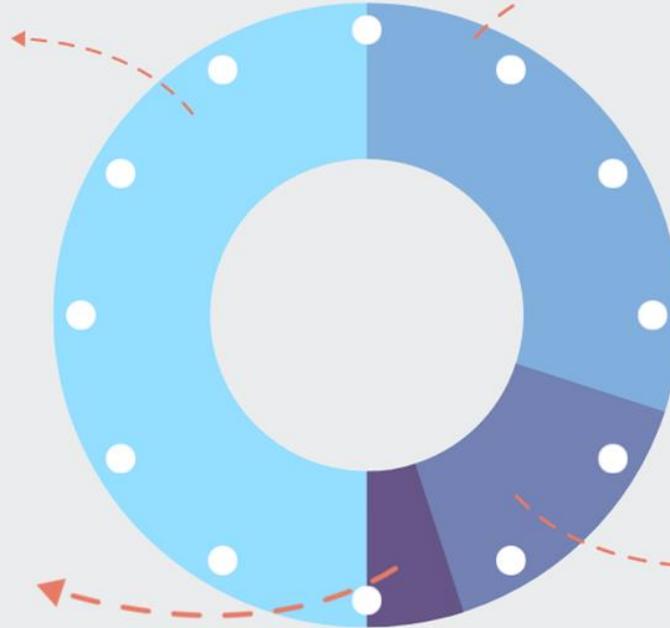
Santa Clara County **WATER SUPPLIES**

Imported Water 50%
Water from the Sierra Snowpack that melts and fills state reservoirs

40% Delta supplies
10% Hetch Hetchy



Water Reuse 5%
Treated wastewater used as recycled water



Local Water 30%
Rainwater captured in Valley Water reservoirs and natural groundwater



Conservation 15%
Consistent short and long-term reductions in water use

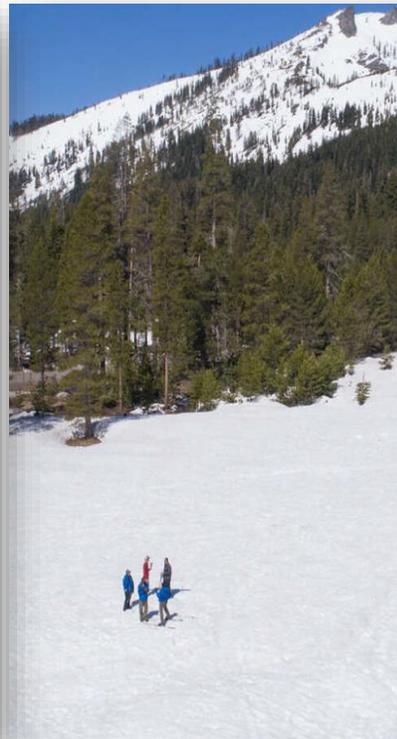


Risks to Our Water Supply

Aging Infrastructure



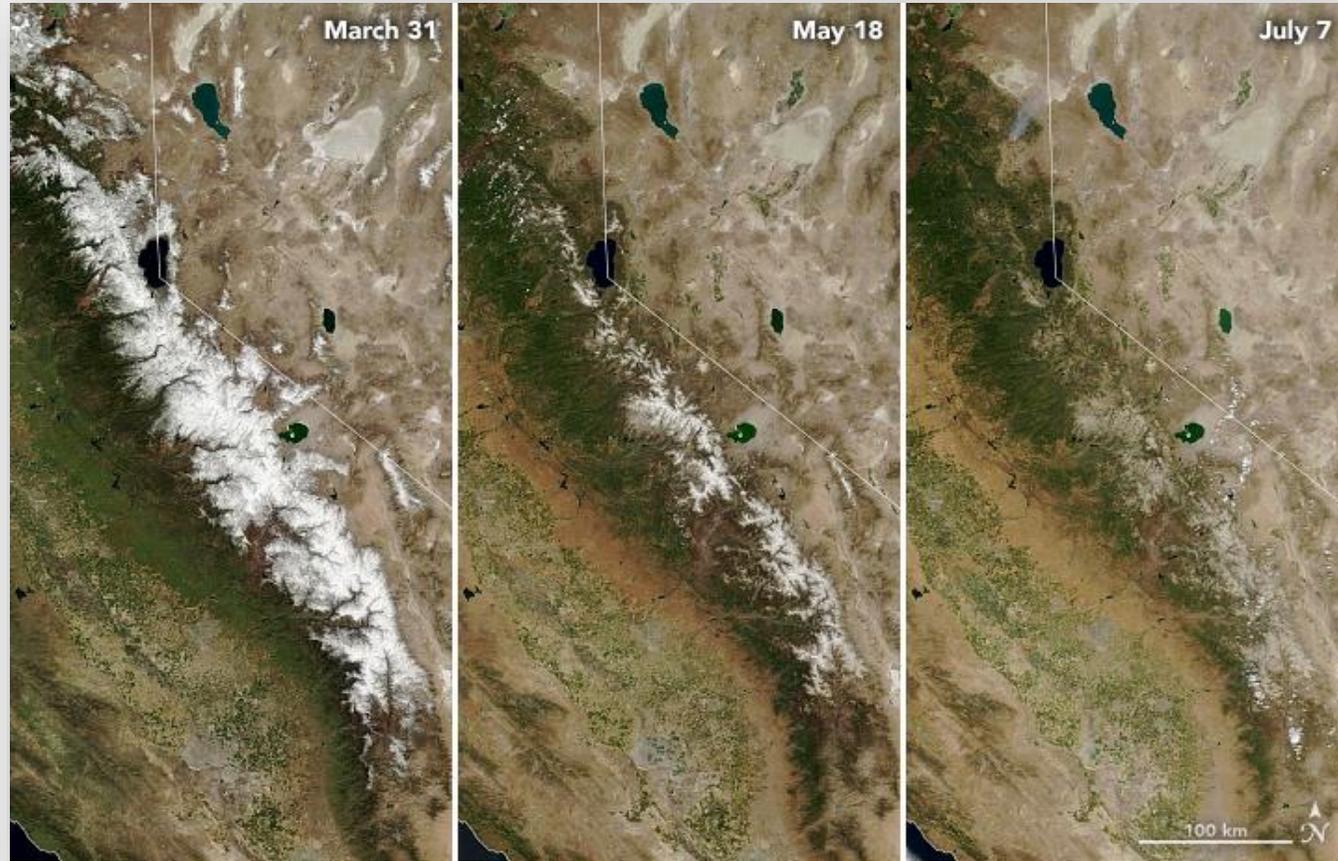
Reduced Imported Water



Climate Change



Climate Change



2021



2021



2023

Responding to Challenges

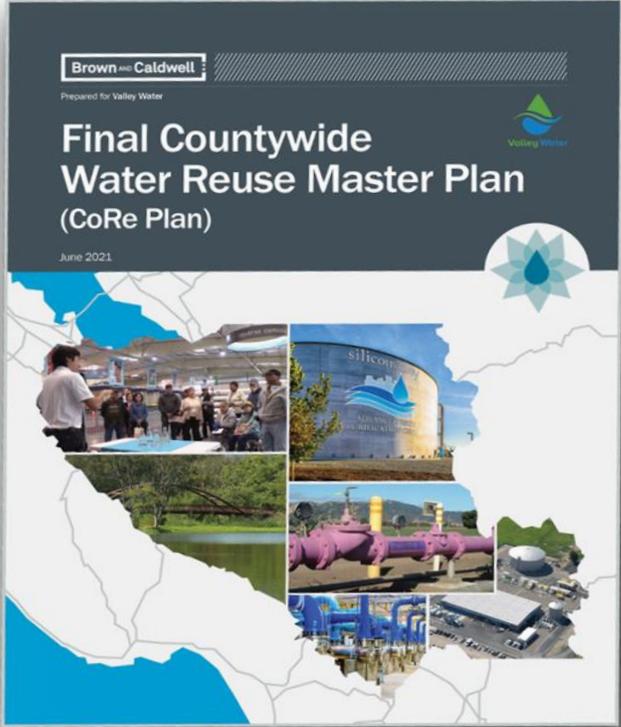
Infrastructure upgrades



Water Conservation



Expanding Water Reuse



What is Purified Water?



Wastewater comes from what flows down the drains of your homes and is treated at a wastewater facility.



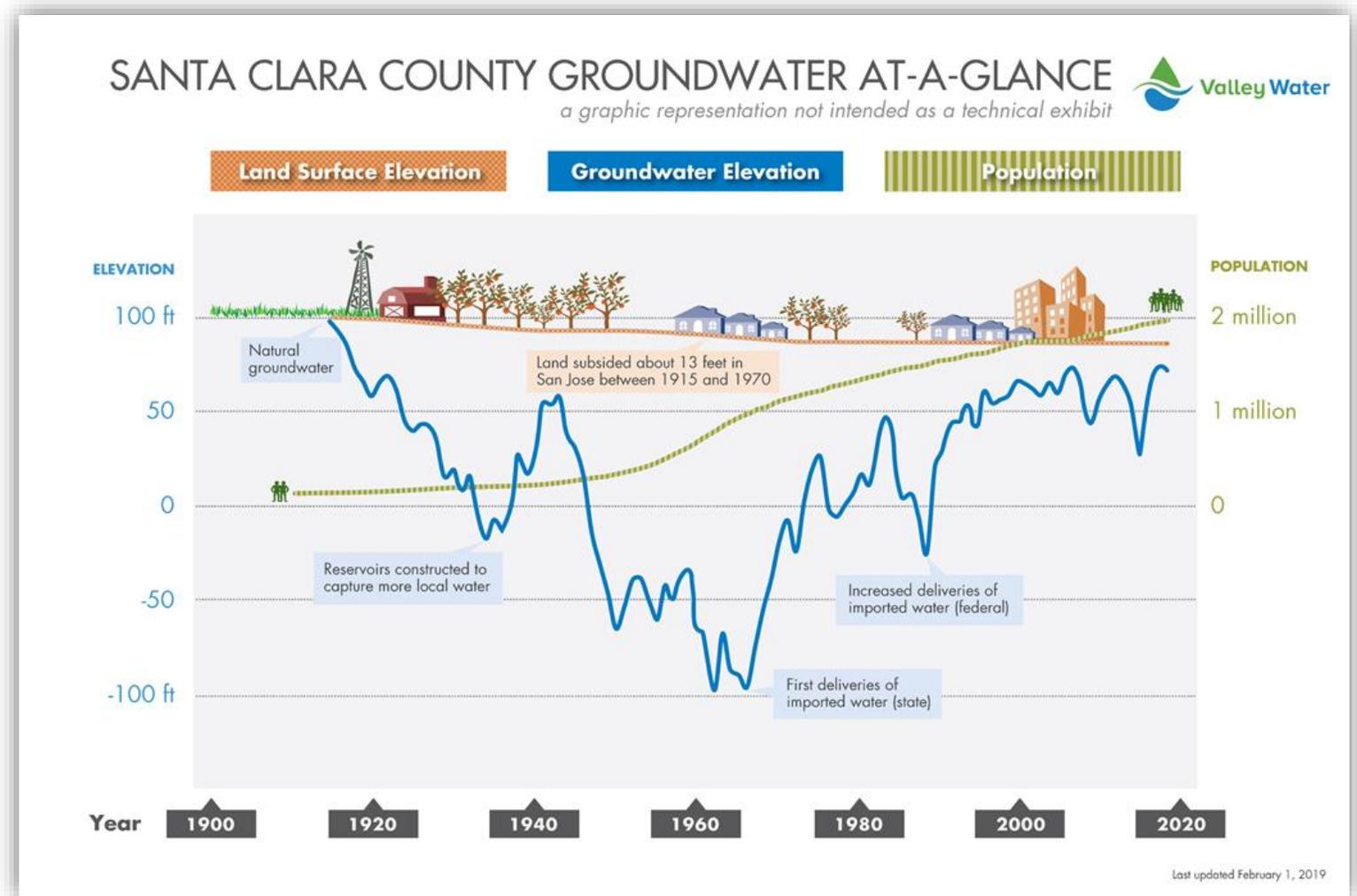
Recycled Water refers to wastewater that has been cleaned and meets requirements for industrial and irrigation use (Non-Potable).



Purified Water is highly treated wastewater that has gone through additional advanced treatment and disinfection.

Why Purified Water?

- Mitigates the impacts of climate change
- Creates a new drought-resilient and locally controlled water supply
- Reduces dependency on imported water
- Protects our region's groundwater supplies and protects against subsidence



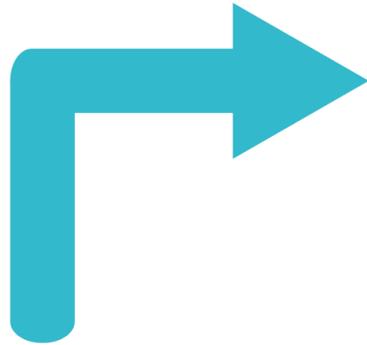
A New Source of Water

Partnership with Cities of San Jose and Santa Clara



- Opened in early 2014
- Provides purified water to enhance the quality of South Bay Water Recycling Purple Pipe system
- Serves as a demonstration, research, and educational facility
- Hosts educational tours on-site

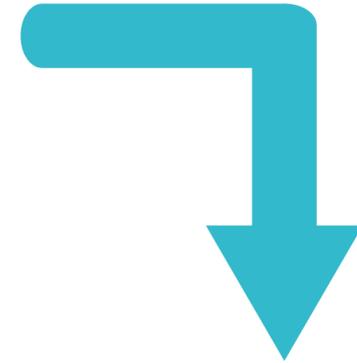
Advanced Water Purification



#1 Microfiltration



#2 Reverse Osmosis

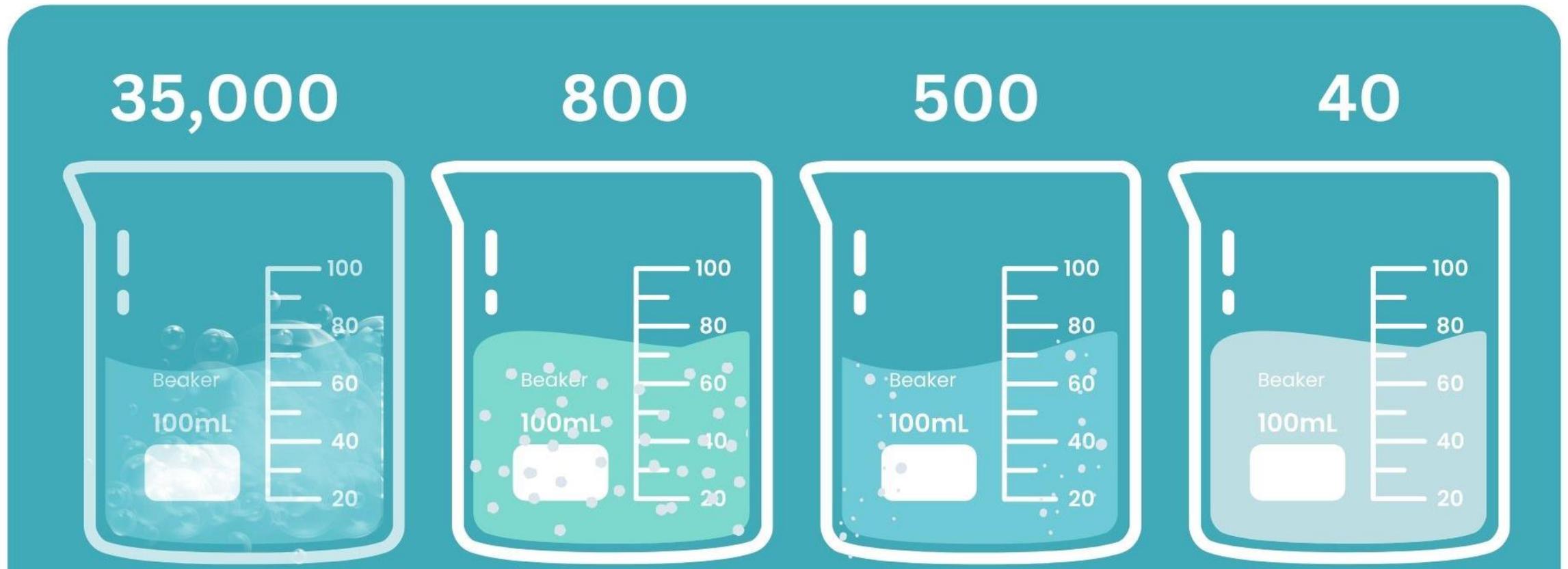


#3 UV Light Disinfection



Water Quality

Parts per million (ppm) of Total Dissolved Solids (TDS)



Seawater

Treated
Wastewater

Enhanced
Recycled Water

SVAWPC
Purified Water

Statewide Water Reuse Projects

SVAWPC



Soquel Creek



Monterey



Orange County



Los Angeles



San Diego

World Renowned

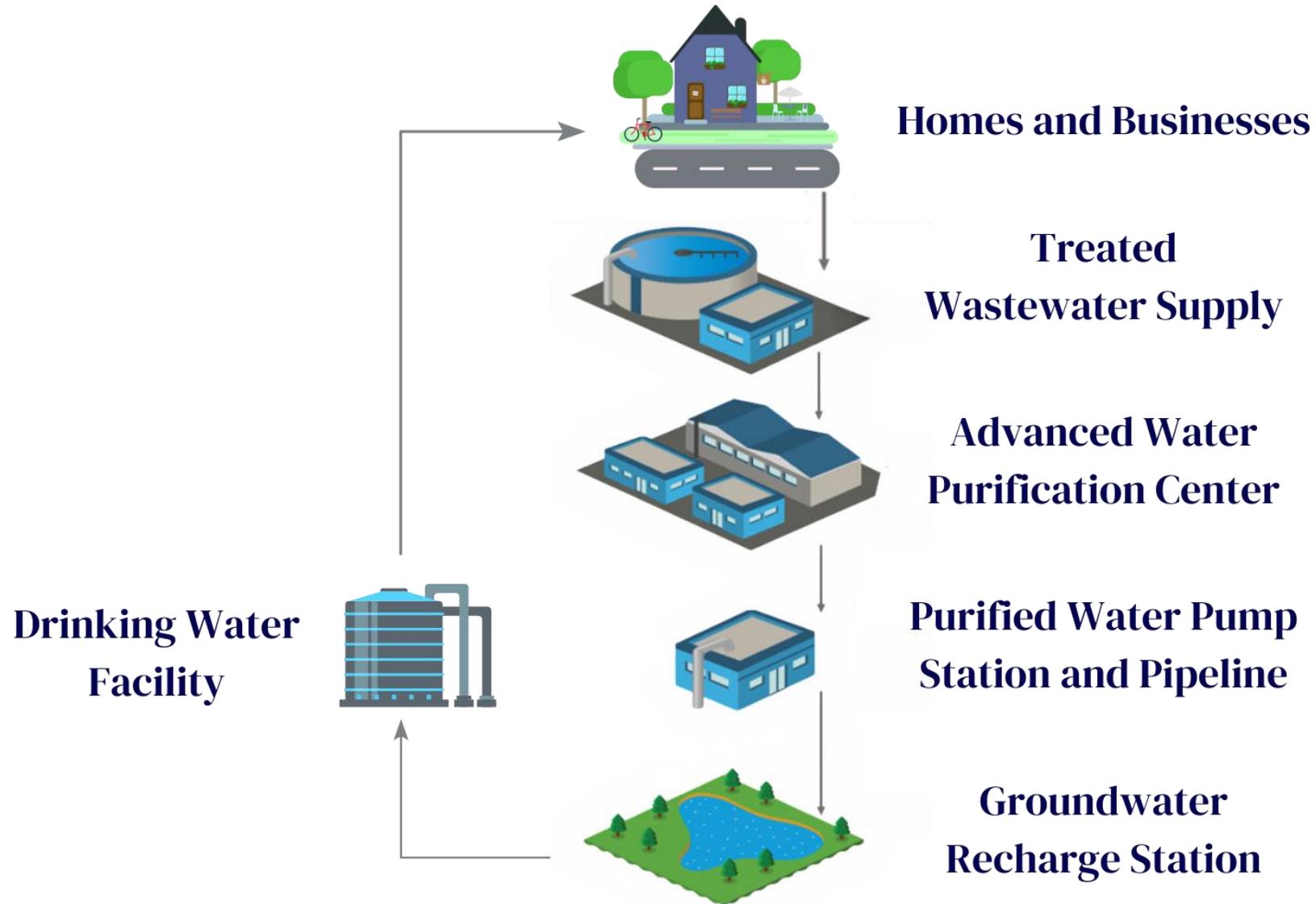


NASA

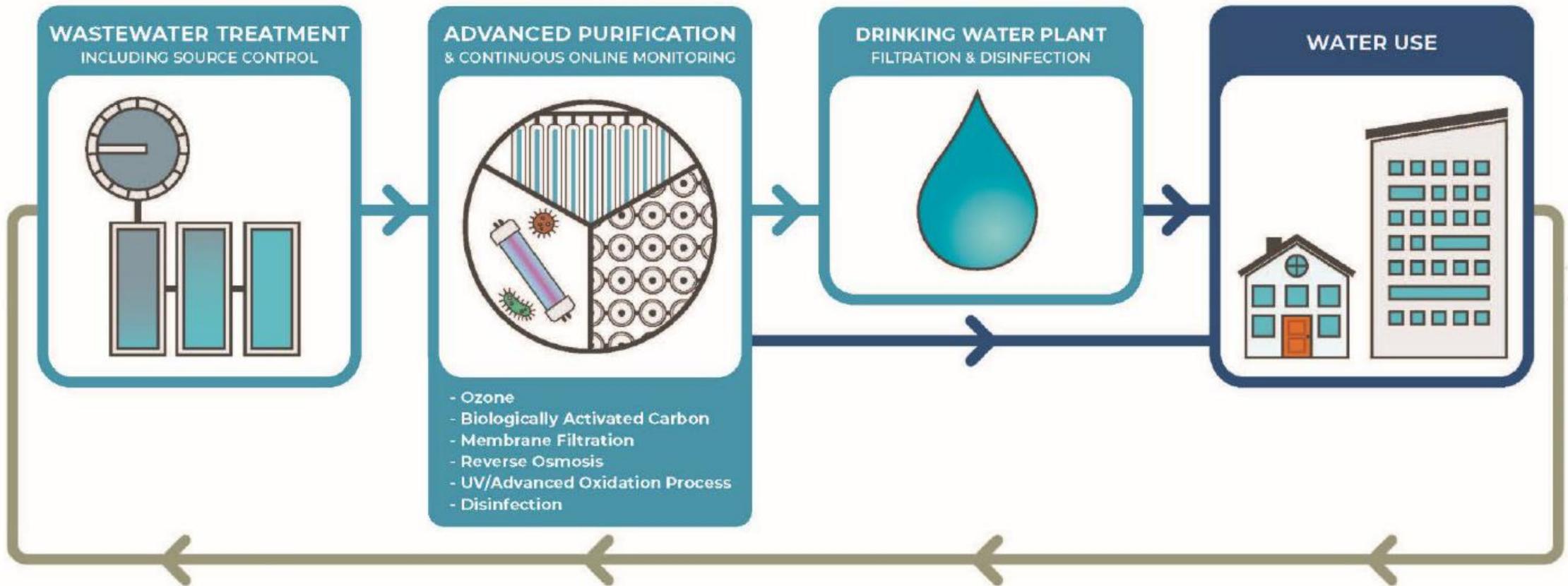


newWater
VISITOR CENTRE

Indirect Potable Reuse



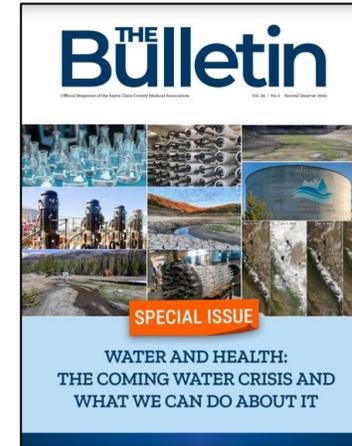
DIRECT POTABLE REUSE STEPS



Water Supply Outreach

Our Goals:

- *To educate*
- *To be transparent*
- *To raise awareness*
- *To build public support for Potable Reuse*



Receivers/AV



One receiver and earbuds per person

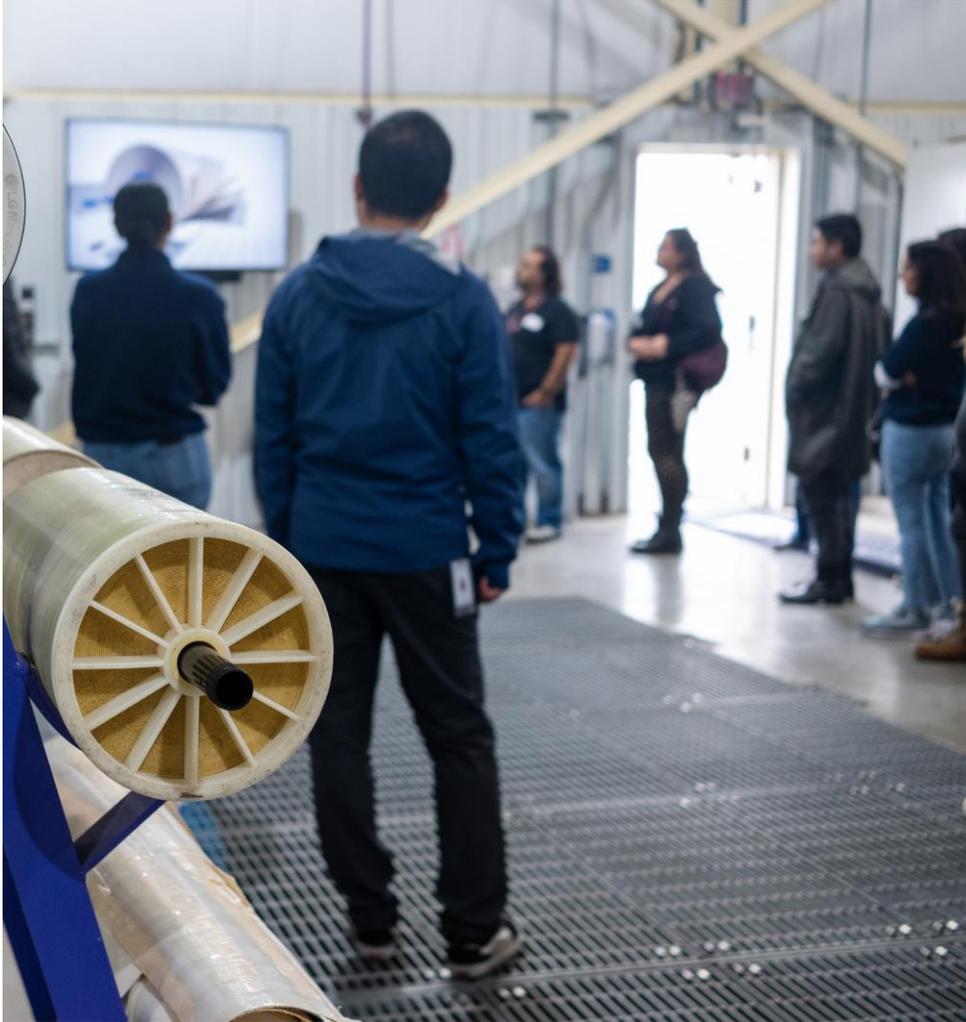


Hold down the top power button for 5 seconds



Channel A will flash. Use up and down arrow for volume

Tour Guidelines



- Stay with the tour group.
- Closed-toed shoes must be worn on the tour.
- Pictures only, no video taking will be permitted.
- Touching of Purification Center equipment is not permitted, except for designated tour demo equipment.
- Leave belongings inside. Doors will be locked.



Outreach & Engagement

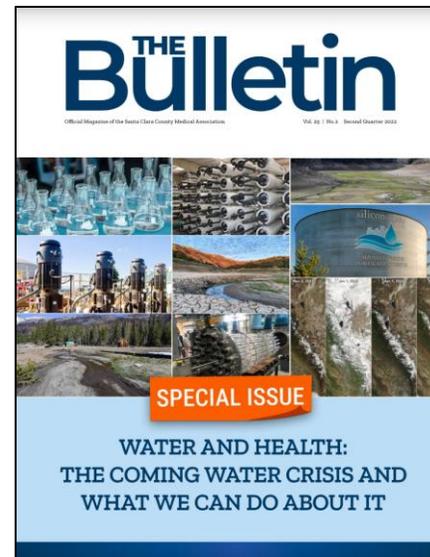
Community Events & Presentations



Public tours and private tours



Stakeholder Endorsements

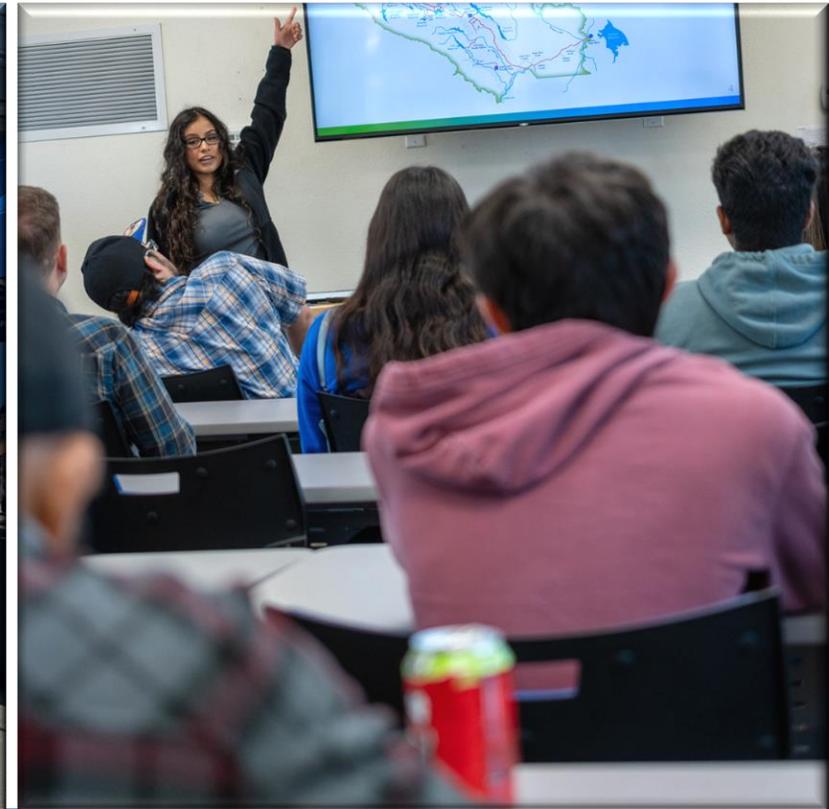


Inclusive & Equitable Outreach



KEY MESSAGES

- *Water is too valuable to use just once*
- *Potable reuse is safe, reliable, and sustainable*
- *Purified water provides a drought-resilient water supply in the face of a changing climate*



Post Tour Survey

