



## The Purified Water Project

Valley Water must meet future water demand and identify a sustainable water supply to combat the effects of climate change. The Purified Water Project will help meet those water supply goals, which includes providing at least 10% of water demand in Santa Clara County through recycled and purified water by 2025. The project will allow Valley Water to develop the use of purified water to supplement existing water sources in a manner that minimizes environmental impacts.

The Purified Water Project will evaluate building an advanced water purification facility at one of two potential sites:

1. Expansion at the existing Silicon Valley Advanced Water Purification Center located on Zanker Road in San Jose;
2. At the former Los Altos Treatment Plant site, which is owned by the City of Palo Alto and located on San Antonio Road in Palo Alto.



Silicon Valley Advanced Water Purification Plant.

When completed, this project will build a facility capable of providing at least 10 million gallons per day of high-quality, drought-resilient water.

## Join Our Public Meeting!

Valley Water is hosting a virtual scoping meeting for the Purified Water Project on Monday, March 29, 2021 from 5:30 p.m. to 7:30 p.m. At this meeting, the community will learn more about the project, the planning process and provide feedback related to environmental impacts that will be analyzed as part of the California Environmental Quality Act (CEQA) process.

### Virtual Purified Water Project Scoping Meeting

March 29, 2021  
5:30 p.m. - 7:30 p.m.

<https://valleywater.zoom.us/j/94477342812>

Dial-in: +1 669 900 9128  
Webinar ID: 944 7734 2812

For more information about the project, including the project Notice of Preparation (NOP), you can also visit the project website:

[www.valleywater.org/PurifiedWaterProject](http://www.valleywater.org/PurifiedWaterProject)  
or contact the following Valley Water staff.

<b>Elise Latedjou-Durand</b> Senior Environmental Planner <a href="mailto:EDurand@valleywater.org">EDurand@valleywater.org</a> (408) 630-3205	<b>Albert Le</b> Community Liaison <a href="mailto:AlbertLe@valleywater.org">AlbertLe@valleywater.org</a> (408) 630-2860
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View of Oka Groundwater Recharge Ponds near Los Gatos Creek.

## About Valley Water



Valley Water effectively manages 10 dams and surface water reservoirs, three water treatment plants, an advanced water purification center, and a state-of-the-art water quality laboratory. Valley Water provides wholesale water and groundwater management services to local municipalities and private water retailers who deliver drinking water to homes and businesses. As the flood protection authority for Santa Clara County, Valley Water annually prepares creeks for winter rains through levee maintenance, sediment removal, bank repair and vegetation management.

For more information, contact your Neighborhood Liaison, **Albert Le** at **(408) 630-2860** or by email at [AlbertLe@valleywater.org](mailto:AlbertLe@valleywater.org).

Si habla español y tiene preguntas sobre el contenido de este mensaje por favor de comunicarse con Jose Villarreal al [JVillarreal@valleywater.org](mailto:JVillarreal@valleywater.org) o (408) 630-2879.

Nếu bạn nói tiếng Việt và có thắc mắc về nội dung của thông báo này, xin vui lòng liên hệ với Hoan Cutler [HCutler@valleywater.org](mailto:HCutler@valleywater.org) hoặc (408) 630-3135.

如果你說中文並對上述訊息有疑問, 請聯繫 Julia Tat, 電郵 [jtat@valleywater.org](mailto:jtat@valleywater.org), 或者電話: (408) 630-3168.

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## Valley Water

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## Ensuring a Reliable Groundwater Supply

Valley Water is expanding its ability to replenish its groundwater with purified water, a drought-resilient and locally controlled water source.



You're invited! Please join us for our  
**Virtual Public Purified Water Project Scoping Meeting**

Monday, March 29, 2021

See inside for more information.

[valleywater.org](http://valleywater.org)

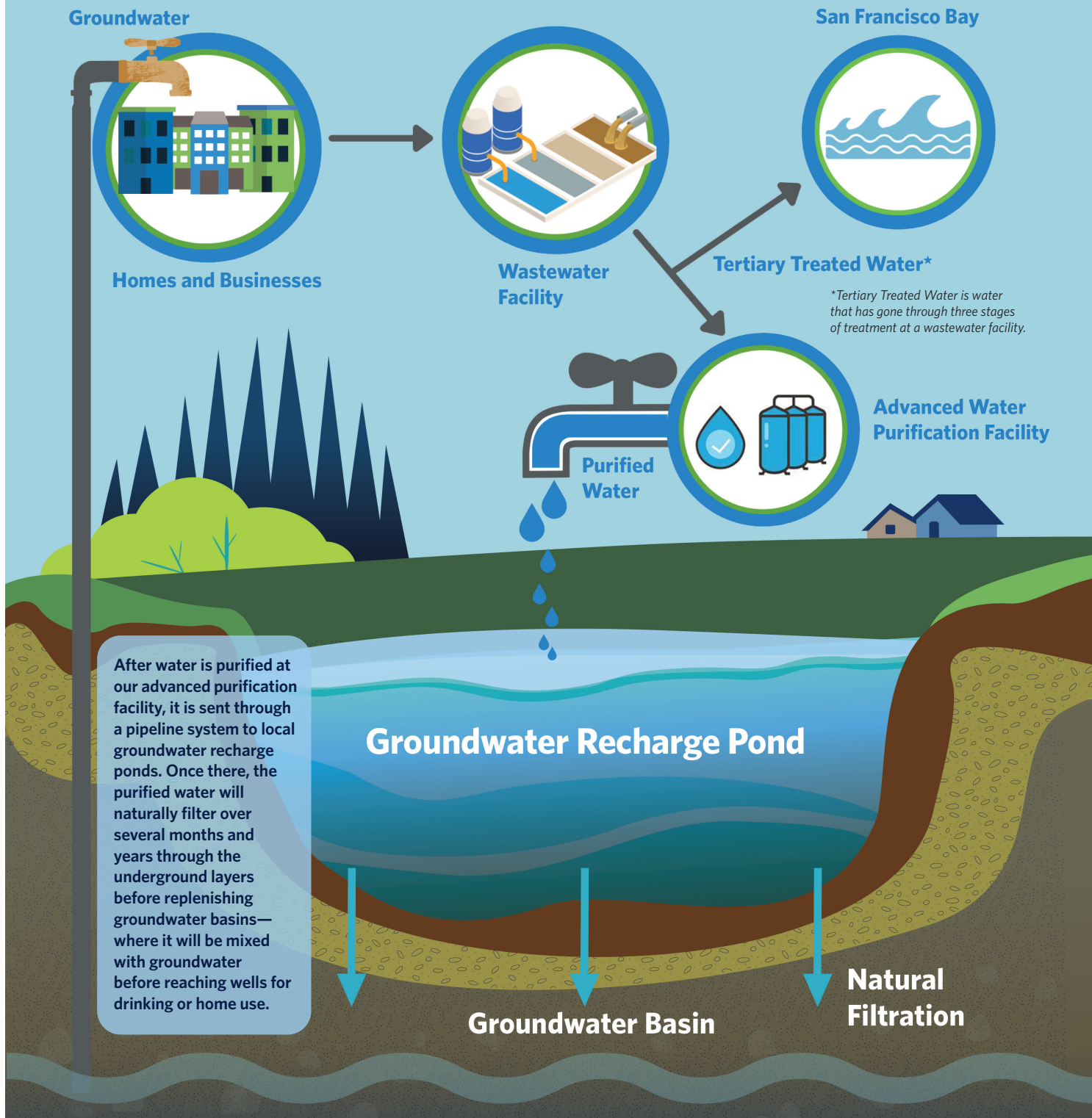
Clean Water • Healthy Environment • Flood Protection

# The Purified Water Project



## Ensuring a Reliable Groundwater Supply

Each year, record-setting temperatures and extreme weather alert us to the impact of climate change. It has never been more evident that California's changing climate and frequent droughts threaten our natural resources. As the water resource manager for Santa Clara County, Valley Water is committed to securing and maintaining a safe, reliable water supply for our community in a sustainable manner that protects our environment. That's why replenishing our groundwater supply with advanced purified water is a key component of that commitment. Building off the success of the Silicon Valley Advanced Water Purification Center, Valley Water will expand our water reuse efforts through recycled water technology.



# The Purified Water Project

## ADVANCED WATER PURIFICATION PROCESS

**HIGHLY TREATED WASTEWATER**

This water originally comes from the drains of homes and businesses and is treated three times at a wastewater facility.



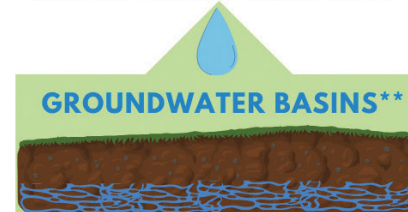
#1 MICROFILTRATION



#2 REVERSE OSMOSIS



#3 UV LIGHT DISINFECTION AND ADVANCED OXIDATION



GROUNDWATER BASINS\*\*

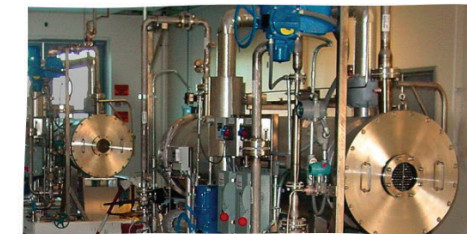
## TYPICAL WATER TREATMENT PROCESS\*

**RAW (UNTREATED) WATER**

Water from local reservoirs or imported water sources like the Central Valley and Sierra Nevada Mountains.



#1 REMOVE SOLIDS



#2 OZONE DISINFECTION



#3 FILTRATION



WATER RETAILERS

\*Specific processes may vary between different water treatment plants.  
 \*\*Purified water has many uses—the water from the Purified Water Project will be used to recharge groundwater basins.



## What is Purified Water?

Water has always been nature's renewable resource and is constantly moving through the water cycle. Purifying water simply speeds up that natural process by using a multi-step effort to remove potential water contaminants, creating a drought-resilient and sustainable water source.

As shown on the left, our purification and water treatment processes are both effective in producing safe, clean water.

## How Safe is Purified Water?

Purified water is safe and meets or exceeds state and federal drinking water standards. It is tested regularly by our certified Water Quality Lab to ensure safety and quality.

Upon completion of the Purified Water Project, Valley Water will be able to use purified water to add to our groundwater replenishment efforts. Valley Water will join many other places in the United States and worldwide in using this water purification and replenishment method, including Monterey and Orange counties in California, Texas, Australia and Singapore.

To learn more about how purified water is used as a drinking water source and the purification treatment process, please visit [purewater4u.org](http://purewater4u.org). There, you can also sign up for tours of the existing Silicon Valley Advanced Water Purification Center.