



ABOUT PURE WATER ANTELOPE VALLEY

Pure Water Antelope Valley (AV) will use proven, state-of-the-art technology to produce a high-quality water to meet our community's needs now and in the future. This is a new drought proof, locally-controlled, permanent source of water for our region.

Recycled water that is currently cleaned at the Palmdale Water Reclamation Plant will be purified to produce new water that meets or exceeds state and federal drinking water standards.



BENEFITS:



Creates Additional Local Water Supplies



Decreases Dependency on Imported Water



Improves Water Resiliency



Replenishes Groundwater Basin



Ensures Water Quality



Helps Address Climate Change



Provides Water to Fuel Economic Growth



Creates Local Jobs

LOCAL ECONOMIC BENEFITS:



During Construction:

- 269 New Local Jobs
- \$80 Million Annual Economic Output



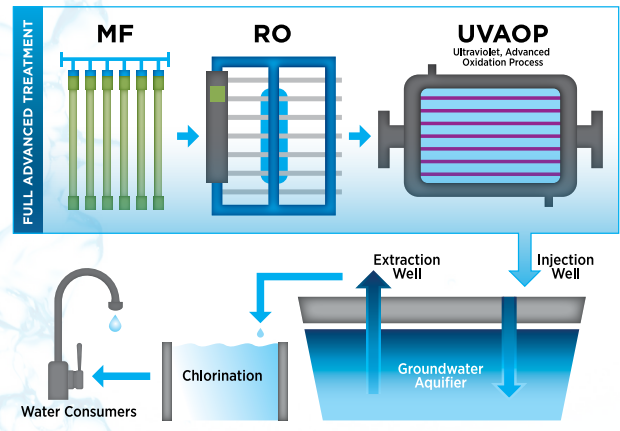
Long-Term:

- 20 Full-Time Local Jobs Over 50 Years
- \$9.3 Million Annual Economic Value



ADVANCED PURIFIED WATER PROCESS

Through an advanced process of micro-filtration filters, reverse osmosis and ultraviolet light with advanced oxidation, recycled water will be purified to meet all state and federal drinking water standards and regulations. The water will be added to our existing water supplies to provide safe, reliable drinking water for Antelope Valley.



CONSTRUCTION TIMELINE

Demonstration Facility Construction:
Summer 2024 - Summer 2025

Facility Tours and Operations Begin:
Winter 2025

Full-Scale Facility Planning and Design:
Fall 2024 - Summer 2027

Construction:
Spring 2027 - Spring 2028

Full-Scale Facility Start Up:
Summer 2029



Coming Soon: Demonstration Facility

Construction of the Pure Water AV Demonstration Facility broke ground in June 2024. This facility will demonstrate the technologies that will eventually be used to purify recycled water at the full-scale Advance Water Purification Facility. Once operational, PWD will conduct continuous testing at the Demonstration Facility for at least one year before seeking regulatory approval for the full-scale project.

Advance Water Purification Facility (AWPF)

The full-scale facility will utilize the methods shown in the Demonstration Facility to produce up to 4.5 million gallons of purified water daily, enough to serve more than 14,500 homes annually.

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