



**PURE  
WATER**  
ANTELOPE VALLEY  
*A Palmdale Water Project*

## *“Our Long-Term Water Solution”*

Learn more about Pure Water Antelope Valley at [PureWaterAV.org](http://PureWaterAV.org)

**Pure Water Antelope Valley (AV) will help secure the future of our water by using proven water purification technology to clean recycled water to produce safe, high-quality drinking water to boost our local water supply.**



## **ABOUT PURE WATER ANTELOPE VALLEY**



The Palmdale Water District (PWD) provides water to approximately **127,000 people** throughout its **40 square mile service area**. PWD relies on three water sources: **1) imported water from the State Water Project 2) natural runoff from snowpack in the local mountains and from rainfall captured behind Littlerock Dam; and 3) natural groundwater aquifer for well extraction**. Each of these supplies

has challenges and constraints that have led PWD to evaluate new, locally controlled water supply opportunities. PWD has identified advanced water purification as the preferred way to meet the current and future water demands for its customers.

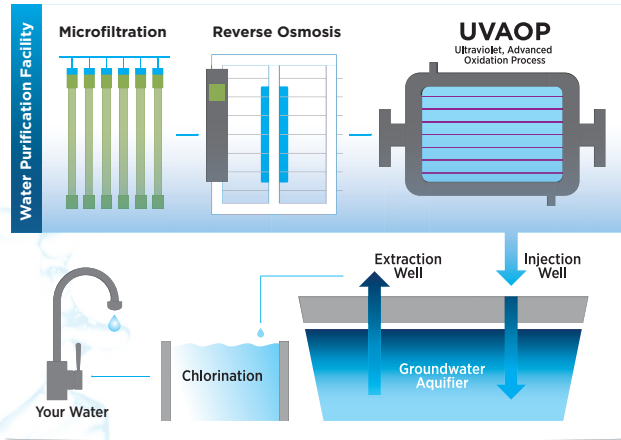
**Advanced purified recycled water is proven to produce clean, safe, reliable drinking water** and is used by many agencies throughout California.





## ADVANCED PURIFIED WATER PROCESS

Through an advanced process of micro-filtration filters, reverse osmosis and ultraviolet light with advanced oxidation, recycled water will be cleaned 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 AND COMMISSIONING

Pure Water AV will build a demonstration facility for testing and public tours before constructing the full-scale facility and supporting infrastructure. Current schedules estimate the demonstration facility will be completed in Spring 2025 and full completion of construction by Fall 2028, with the startup of the system beginning by the end of 2028. Estimated construction costs for the demonstration facility are \$15 million and the full-scale facility and supporting infrastructure are \$200 million.

## CONSTRUCTION TIMELINE



**Palmdale Water Reclamation Plant (WRP)** - The Palmdale Water Reclamation Plant has a capacity to clean wastewater to recycled water standards and distribute for non-potable uses such as irrigation and some industrial applications like cooling towers. The recycled water produced at this facility would be available as source water for the Pure Water AV Advanced Water Purification Facility.

**Demonstration Facility** - The demonstration facility will provide the public with the opportunity to tour the plant and conduct testing of the advanced purified water to ensure it meets all health and safety requirements.

**Advance Water Purification Facility (AWPF)** - The full-scale facility will utilize the methods shown in the demonstration facility to provide 5,000 acre-feet, or about 1.8 billion gallons of new, locally-created water per year. The project will also construct pipelines necessary to move recycled and advanced purified water to and from facilities and build injection wells to store the advanced purified water in an underground water aquifer before adding to the Palmdale water system.

### CONTACT:

**Scott L. Rogers, PE • Engineering Manager**  
2029 East Avenue Q, Palmdale, CA 93550  
d: 661-456-1020 c: 206-303-9303  
srogers@palmdalewater.org

