

Project Overview

The **Pure Water Project Las Virgenes-Triunfo** is a regional water reliability project that will transform surplus recycled water from the Tapia Water Reclamation Facility into a high-quality, drought-resilient local drinking water supply.

Using proven, state-of-the-art purification technologies, membrane filtration, reverse osmosis, and ultraviolet light with advanced oxidation, recycled water will be purified to exceed California drinking water standards. The purified water will be conveyed to the Las Virgenes Reservoir, blended with imported water, and receive final treatment at the Westlake Filtration Plant before entering the distribution system.

When complete, the project will provide a reliable, locally controlled water source that strengthens the region's long-term water security.



**PURE WATER PROJECT
LAS VIRGENES-TRIUNFO**

Bringing Our Water Full Circle



Our Commitment

The Pure Water Project reflects a clear commitment by the Las Virgenes-Triunfo JPA to deliver a vital water supply project on time, within budget, and with accountability. By investing in innovation, sustainability, and responsible environmental stewardship, the project advances California's vision for stronger local water supplies while protecting the resources that make this region special. The Pure Water Project is more than a project. It is a forward-looking commitment and investment in resilience, reliability, and a sustainable water future for generations to come.

Why Now

Meeting Today's Water Challenges

The region served by the Las Virgenes and Triunfo Districts faces pressure from increased regulations and an unreliable imported water supply. The Pure Water Project directly addresses these challenges by creating a locally managed supply that can be relied upon.

Statewide Alignment & Investment

The Pure Water Project aligns with California's broader water resilience goals, including the California's Water Supply Strategy: Adapting to a Hotter, Drier Future, which prioritizes projects that increase regional water storage, improve supply reliability, and support adaptation.

OurPureH2O.com



Developing A Reliable Source of Water

The Pure Water Project embodies a “**One Water**” approach of maximizing the value of every drop while meeting environmental regulations and creating long-term water security.

Improving Reliability in Our Water Supply

Las Virgenes Municipal Water District is 100 percent dependent on the State Water Project for its water supply. Due to the region’s unique geography, the District has no native groundwater, surface water, or local reservoir supplies within its 122-square-mile service area. This complete reliance on a water source located more than 400 miles away creates significant and growing vulnerability for our communities.

That vulnerability was made clear during the most recent drought. In 2022, a historic zero percent allocation from the State Water Project resulted in a 74 percent supply reduction for LVMWD, the most severe restriction in the District’s history. Customers responded by reducing water use by more than 40 percent, an extraordinary conservation achievement. However, when imported supplies are restricted, the District has virtually no flexibility to absorb shortages or protect public health and safety.

The Pure Water Project Las Virgenes-Triunfo will fundamentally change that equation. By treating recycled water using advanced purification technologies that meet or exceed drinking water standards, the project will provide up to 30 percent of the region’s drinking water from a reliable, locally controlled source. This diversification of supply reduces dependence on imported water and creates long-term water security for the region.

Meeting Increasingly Stringent Regulatory Requirements

In addition to improving water supply reliability, the Pure Water Project is a direct response to increasingly stringent state and federal environmental regulations governing wastewater discharges and watershed protection. Regulatory requirements for nutrient loading, emerging contaminants and environmental protection have continued to evolve, particularly for agencies that discharge treated wastewater into sensitive waters.

Advanced water purification allows the Las Virgenes-Triunfo Joint Powers Authority (JPA) to move beyond traditional wastewater disposal by reusing recycled water in a way that aligns with long-term environmental sustainability goals. The Pure Water Project reduces discharges to local waterways, supports compliance with current and future regulatory standards and positions the District to proactively address emerging regulations related to water quality and ecosystem protection.

By integrating advanced treatment with a local water supply solution, the Pure Water Project represents a forward-looking, regulatory-compliant approach that meets environmental regulations while ensuring a safe, reliable water supply for the communities the Las Virgenes-Triunfo JPA serves.



Construction What’s Being Built



A new Advanced Water Purification Facility (AWPF) located in the City of Agoura Hills



Approximately 20 miles of pipelines to transport source water, purified water, and byproducts



Supporting infrastructure upgrades and reservoir integration

Construction Timeline



Early 2026: Early mobilization



Spring 2026: Major AWPF and pipeline construction



2028–2029: System testing and commissioning



2029: Project completion

Construction is a dynamic process, and schedules may adjust as work progresses.

