

City of San Diego PUBLIC UTILITIES Water & Wastewater

Quality ■ Value ■ Reliability ■ Customer Service
For all of San Diego...every day!

FACT SHEET

Pure Water San Diego

Pure Water San Diego will provide a safe, reliable and drought-proof local drinking water supply using proven water purification technology.

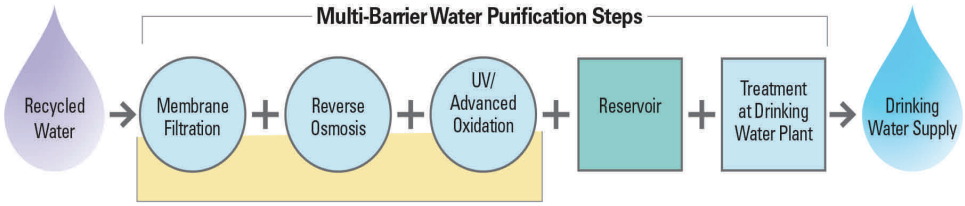
The City of San Diego has limited local water sources and relies on importing 85 percent of its water from the Colorado River and Northern California. Rising imported water costs, population growth and ongoing drought threaten San Diego's water reliability.

To face these challenges, the City is moving forward with the Pure Water San Diego program to purify recycled water for drinking and ultimately provide one-third of San Diego's water supply needs by 2035. The first phase is slated to produce up to 30 million gallons per day (MGD) of water by 2021. To meet this goal, the City would break ground in 2019.

Pure Water San Diego uses proven technology to purify recycled water through membrane filtration, reverse osmosis and advanced oxidation with ultraviolet light and hydrogen peroxide. To confirm the viability and safety of the water purification process, the City conducted a one-year demonstration project. One million gallons of water were purified every day for a year at the City's Advanced Water Purification Facility. More than 28,000 water quality tests and rigorous daily monitoring have ensured no contaminants are present in the water and that recycled water can be purified and safely added to a reservoir. The California Department of Public Health (now the State Water Resources Control Board Division of Drinking Water Programs) and San Diego Regional Water Quality Control Board approved the water purification concept and confirmed the purified water meets all federal and state drinking water standards.

City Council Decision

On November 18, 2014, the San Diego City Council voted unanimously to approve the advancement of Pure Water San Diego, which includes the City's submittal of an application to the U.S. Environmental Protection Agency to renew the modified permit for the Point Loma Wastewater Treatment Plant (Point Loma). Without the permit, the City would need to upgrade Point Loma to secondary treatment requirements, which would cost $1.8 billion, require overcoming extreme space constraints and would produce no new water. Investing in the Pure Water program and seeking federal legislation to allow San Diego to meet modified secondary standards will eliminate the need for the costly upgrades, enable the City to divert more water for recycling, and reduce ocean discharges.



Pure Water San Diego

@PureWaterSD

www.PureWaterSD.org

THE CITY OF SAN DIEGO

An Integrated Approach

An initial water purification facility that will produce up to 30 MGD is planned to be in operation by 2021. The long-term goal, producing 83 MGD (one-third of San Diego's future drinking water supply), is scheduled for 2035. Pure Water will divert approximately 100 MGD of wastewater from Point Loma to three future advanced water purification facilities located at the North City Water Reclamation Plant, South Bay Water Reclamation Plant and a future central area facility.

Free tours of the Advanced Water Purification Facility are available to the public. During the tour, participants get an up-close look at the water purification technology and have the opportunity to compare samples of purified, tap and recycled water. Visit www.purewatersd.org to sign up for a tour or presentation and to learn more about Pure Water San Diego.

Initial Phase 2021

Up to 30 MGD

Wastewater will be purified at North City Plant and delivered to San Vicente or Miramar Reservoir

Long Term 2035

83 MGD

Wastewater will be purified at the Central Area Treatment Facility and South Bay Plant and delivered to San Vicente and Otay Reservoirs

Pure Water SAN DIEGO

Water Purification Process