

OCEANSIDE'S NEW SOURCE OF WATER PURE WATER OCEANSIDE

Currently most of Oceanside's water comes from hundreds of miles away. This imported water requires an enormous amount of energy to transport, is at risk of drought and subject to increasing water costs. However, a small portion of Oceanside's water comes from a naturally occurring underground aquifer in Oceanside called the Mission Basin. Due to increasing demand, the water in the Mission Basin has declined over the years, and the City is now taking steps to replenish this supply through Pure Water Oceanside.

Pure Water Oceanside is an advanced water purification program that will use recycled water to create a new local source of high-quality drinking water that is clean, safe, drought-proof and environmentally sound. The process uses state-of-the-art water purification steps that replicate and accelerate nature's natural water recycling process and will produce enough water to provide approximately a quarter of the city's water supply!

HOW THE ADVANCED WATER PURIFICATION PROCESS WORKS

Microfiltration – Filters remove bacteria and suspended solids from reclaimed water

Reverse Osmosis – Ultra-fine filters remove salt, viruses, bacteria, pharmaceuticals and chemicals.

Ultraviolet Light and Advanced Oxidation – The final polishing step neutralizes any remaining substances.

Injection – Minerals are added before the water is injected into the Mission Basin.

Treatment – Water is extracted from the aquifer and treated again at the city's Mission Basin Groundwater Purification Facility.

Delivery – The water is distributed to customers.

Pure Water Oceanside and other local programs diversify our water supply and reduce reliance on imported water, creating a local sustainable water source for Oceanside. The City is currently in the design and build phase of this project and will be hosting public tours in early 2019. If you are interested in learning more, please visit PureWaterOceanside.org or email PureWaterOceanside@ci.oceanside.ca.us.

