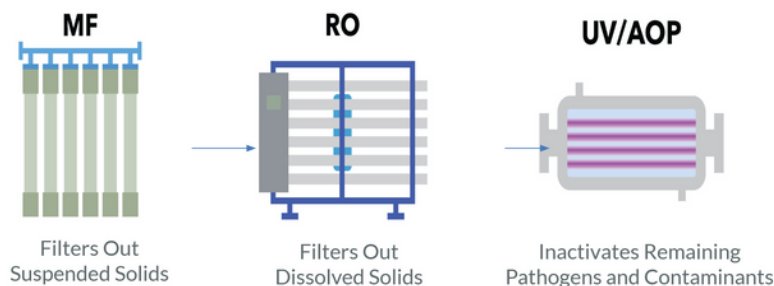


## Goals

Los Angeles Sanitation and Environment (LASAN) in partnership with the Los Angeles Department of Water and Power (LADWP) is advancing the City's water sustainability and resilience with two major projects at the Donald C. Tillman Water Reclamation Plant (DCTWRP): the Advanced Water Purification Facility (AWPF) and the Advanced Water Equalization Basins (AWEB). Both projects play a pivotal role in achieving the City's ambitious water goals outlined in the 2019 Green New Deal – Sustainable City Plan. These efforts are to support the objectives to cut imported water consumption by 50% by 2025 and to secure 70% of water supplies locally by 2035. Using advanced water purification methods and equalization systems, LASAN aims to tackle water scarcity by recharging the local groundwater and creating a sustainable new water source for Los Angeles.

## AWPF

The Advanced Water Purification Facility (AWPF) is designed to treat 25 million gallons per day of highly purified water for indirect potable reuse, with construction allowing for future expansion to support up to 30 million gallons per day. Using advanced treatment technologies, including membrane filtration, reverse osmosis, and ultraviolet disinfection, the facility will transform conventionally treated tertiary effluent into purified water suitable for groundwater replenishment in the San Fernando Valley Groundwater Basin. Up to 22,000 acre-feet per year of purified water will be delivered through an existing pipeline to the Hansen Spreading Grounds. There, it will undergo natural soil-aquifer treatment to further enhance local groundwater resources and reduce reliance on imported water. The facility will also feature an educational learning center and community space to promote awareness about water resilience.



## AWEB

To support AWPF, the Advanced Water Equalization Basins (AWEB) project is set to expand primary effluent equalization capacity at DCTWRP, increasing it from 2.3 million gallons to 9.2 million gallons. With two new 4.6-million-gallon circular storage basins, AWEB will manage diurnal flow variations, creating a more consistent flow to the AWPF and improving overall water management. The project also incorporates odor control systems to enhance the environment for nearby communities.

## Path

The AWPF and AWEB projects are being developed using a progressive design-build approach, which focuses on efficiency, and high level performance. This method helps keep the construction timeline on track without compromising quality, ensuring that environmental standards are met. Together, these projects reflect LASAN's commitment to addressing water scarcity while educating the community and prioritizing sustainable practices.