






# Orange County Water District – Groundwater Replenishment System

	<b>Location</b>	Los Angeles, California, US
	<b>Raw water</b>	Municipal wastewater
	<b>Commissioning Date</b>	August, 2018
	<b>Design Capacity</b>	15,000 m <sup>3</sup> /d
	<b>Module No.</b>	SMT600–S26

## Process

Municipal wastewater



Secondary effluent



Screen



Submerged UF



RO



Groundwater recharge

## Project Highlights

The OCWD's GWRS, one of the world's top 10 recycled water plants, is the world's first recycled water plant using membrane treatment. The project is the world's largest water purification system for indirect potable reuse. The OCWD piloted seven different microfiltration membrane products in about one year, and Scinor stood out by increasing the water production while still passing the rigorous performance goals. It not only meets the recycled water demand of the northern and central areas of Orange County, but also replenishes the groundwater, solves the seawater intrusion problem, and satisfies the customers performance improvement goals under the original system design.

