

TSG Water Resources Awarded Contract for one of the World's Largest Ultra-High-Pressure Seawater Desalination System

GAINESVILLE, FL, UNITED STATES, August 20, 2026 /EINPresswire.com/ -- TSG Water Resources, Inc., a water and wastewater engineering, procurement, construction and operations firm, today announced it has been contracted to design and supply a 1.8 million gallon per day (6,813 m³/day) high recovery ultra-high-pressure seawater reverse osmosis (UHP SWRO) facility in

Mexico. This will be one of the largest UHP SWRO system known to be in commercial operation anywhere in the world.

“

In water-constrained areas, every additional gallon we recover from the same intake is a gallon that doesn't need new infrastructure. This will become standard feedwater constrained markets.”

*Jason Erickson, President and
CEO*

Ultra-high-pressure reverse osmosis is a distinct technology class defined by the use of specialized high-pressure membranes and pressure vessels, capable of operating above 1,200 psi (83 bar) — roughly 50% above the ceiling of conventional seawater RO membranes. UHP membranes have been commercially available for several years, but have been deployed almost exclusively in industrial brine concentration, zero-liquid-discharge and mineral recovery applications at capacities measured in

hundreds of cubic meters per day.

The use of UHP membranes will allow the facility to achieve 67 % recovery — substantially above the 40 to 45 % typical of conventional seawater plants. This will result in more potable water from the same intake volume, a proportionally smaller brine discharge, and reduced civil and intake infrastructure relative to a conventional plant of equivalent output.

The project builds on TSG's existing presence in Mexico, where the company previously delivered a 1.4 MGD high-recovery SWRO facility using Biturbo technology rather than UHP, which was the largest of its kind in the Western Hemisphere at the time of completion.

Design and procurement are underway, with commissioning targeted to begin September 2027.

About TSG Water Resources, Inc.

TSG Water Resources is an engineering, procurement, construction and operations firm specializing in seawater and brackish water reverse osmosis, membrane bioreactor wastewater treatment, and long-term plant operations across the Caribbean, Mexico and the United States. Headquartered in Gainesville, Florida, TSG designs, builds and operates water infrastructure for private, municipal and industrial clients. More at tsgwater.com

Jason Erickson

TSG Water Resources Inc

+1 352-371-6925

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/935788887>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.