

Case Study: Advanced Desalination

- Advanced Vapor Compression Desalination Technology to treat brackish ground water
- Employed innovative compression and heat transfer technologies developed at Texas A&M University
- Licensed to Terrabon, Inc.



- Funded by City of Laredo
 - \$1.6M over 2 years
- Construct, install, and test 50,000 gallon per day pilot plant
- Location at current RO plant with brackish ground water well operated by the City of Laredo
- Provided additional water resource availability for City of Laredo

- Results
 - Heat transfer technology was validated
 - Internal sealing issues prevented achieving design capacity
 - Economics analysis proved best utilization as stage II of high saline RO treatment