

New Mexico Desalination Association



NM Desalination Association Board of Directors:

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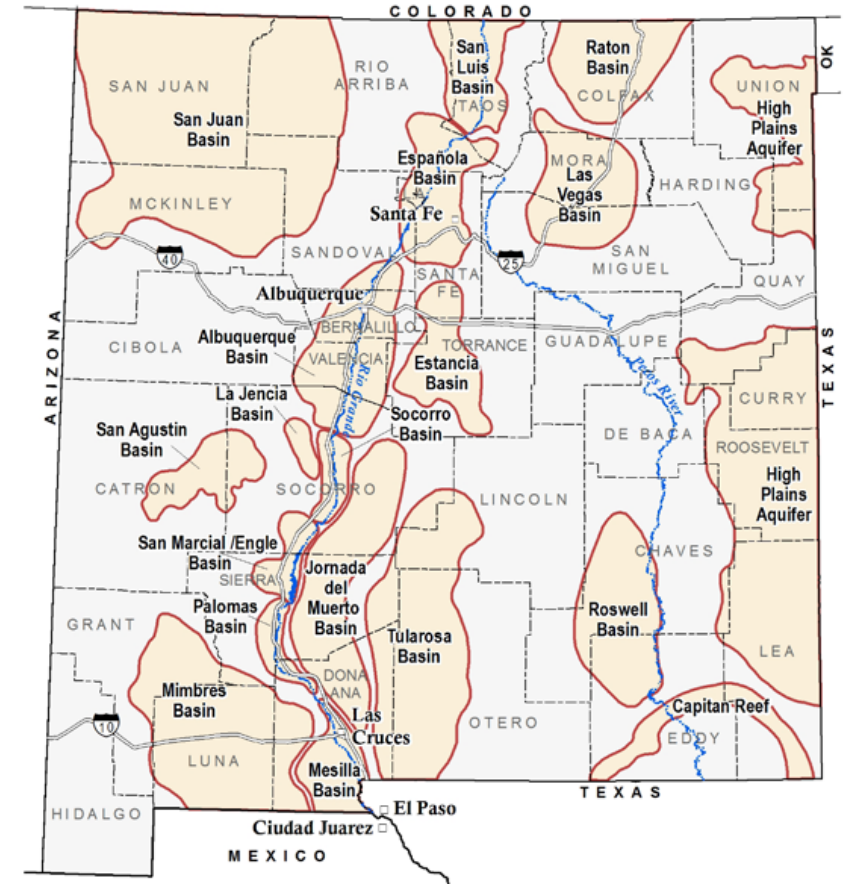
John Stomp - ABCWUA

Charles Leder - ABCWUA

- **Established to promote and assist the desalination industry in developing professional and stakeholder knowledge of:**
 - desalination approaches, technologies, costs, and opportunities
 - New Mexico's brackish water resources.
- **Educate stakeholders on use of desalination to create new water supplies for New Mexico while:**
 - supporting sustainable economic growth,
 - protecting the environment,
 - maintaining social and cultural traditions.

New Mexico Brackish Water Resources

- **New Mexico is estimated to have 15 billion acre feet of brackish ground water:**
 - 2 billion acre feet easily and economically treated for municipal use, and 2 billion acre feet for industrial use,
 - 1000 year supply of water at 2018 consumption levels,
 - All fresh water basins have zones of brackish water.
- **Significant brackish and saline produced water generated in Permian and Delaware Basins in SE NM, and San Juan and Raton Basins in NW and NE NM.**
- **Large volumes of surface water and agricultural return flows with elevated salinity levels.**
- **Significant transboundary brackish surface and ground water resources.**



Overview of Fresh and Brackish Water Quality in New Mexico. New Mexico Bureau of Geology and Mineral Resources, OFR-583, New Mexico Tech, Socorro, NM, June 2016.

New Mexico Unique Desalination Opportunities

- **New Mexico has unique national and federal laboratory, university, industrial, and utility desalination research and development capabilities.**
- **New Mexico has the most extensive brackish water resources in the U.S.**
- **New Mexico is proposing \$1-2 B in investments in produced water recycling and reuse by 2022, creating multi-billion dollar/year water treatment and supply, and chemical processing and supply sectors.**
- **Potential investments of \$1B in joint U.S./Mexico transboundary desalination projects through 2030.**



**Brackish Groundwater National
Desalination Research Facility
Alamogordo, New Mexico**



**El Paso Desalination Plant
Research Bay**