The Water Security Grand Challenge

Advance transformational technology and innovation to meet the global need for safe, secure, and affordable water. By 2030:

- Launch desalination technologies that deliver cost-competitive clean water.

- Transform the energy sector's produced water from a waste to a resource.

- Achieve near-zero water impact for new thermoelectric power plants, and significantly lower freshwater use intensity within the existing fleet.

- Double resource recovery from municipal wastewater.

- Develop small, modular energy-water systems for urban, rural, tribal, national security, and disaster response settings.

https://www.energy.gov/eere/water-security-grand-challenge

WATER SECURITY GRAND CHALLENGE
Abundance Through Innovation

U.S. DEPARTMENT OF ENERGY