

# WATER REUSE: Transforming Water, Sustaining Our Future

Communities across the country are incorporating water reuse into their water management strategies as a proven method for ensuring a safe, reliable, locally controlled water supply—essential for livable communities with healthy environments, robust economies and a high quality of life. By 2027, the volume of recycled water produced in the United States is projected to increase 37% from 4.8 billion gallons per day to 6.6 billion gallons per day, according to a recent survey by Bluefield Research.

## What Is Water Reuse?

Water reuse, also known as water recycling, is the process of intentionally capturing wastewater, stormwater, saltwater or graywater and cleaning it as needed for a designated beneficial freshwater purpose such as drinking, industrial processes, surface or ground water replenishment, and watershed restoration.

## Water Reuse Is Transforming Water Infrastructure



The nation's aging water infrastructure was built to protect public health, ensure access to clean water, and safely dispose of wastewater. Given the growing demand for freshwater and changing weather patterns, next-generation water infrastructure must address both water supply and water quality challenges.

## Why Invest in Water Reuse?

Investment in water reuse builds communities that are modern, sustainable and stable—ready for families to flourish and businesses to grow. In some communities, recycled water can create a resilient and drought-proof water supply. In other communities, water recycling protects sensitive waterways and alleviates over-burdened centralized treatment facilities.

Across the country, communities and businesses investing in water reuse are ensuring that residents have safe drinking water supplies, industries have water to expand and create jobs, farmers have water to grow food, our environment is protected, and our economic future remains strong and secure.

## Recycled Water Is:



**Cost Effective:** Reusing water can be more cost effective than developing other alternative supplies.



**Environmentally Sound:** Reusing water alleviates pressure on freshwater sources and natural systems.



**Safe:** Water is purified to meet stringent state and federal water quality standards.



**Reliable:** Because wastewater is renewable, water reuse is the only sustainable source of freshwater.



**Locally Controlled:** Communities are not beholden to nature or neighbors for their water supply.



[www.watereuse.org](http://www.watereuse.org)

The WateReuse Association represents municipal water utilities, businesses, and institutions that undertake or support water reuse. WateReuse is the nation's only trade association solely dedicated to advancing laws, policy, funding, and public acceptance of recycled water. In addition to members throughout the country, WateReuse includes WateReuse Arizona, WateReuse California, WateReuse Colorado, WateReuse Florida, WateReuse Nevada, WateReuse Pacific Northwest, and WateReuse Texas.

# RECYCLED WATER COAST-TO-COAST

## 6.5 Billion

Gallons of Recycled Water Used for Idaho Agriculture

92% of the recycled water Idaho produces is used to irrigate crops, a beneficial use that keeps **2000 tons of nitrogen** and **500 tons of phosphorus** out of Idaho rivers and streams.



GM Saves

## \$2 Million

with Stormwater Reuse

General Motors captures and reuses stormwater for cooling towers at its Detroit-Hamtramck assembly plant, saving **\$2 million a year**.



It's Patriotic to Generate

## \$4 Million

in Massachusetts

But for on-site, decentralized water recycling, Foxboro could not meet water demands for Gillette Stadium, home to the New England Patriots. This NFL team generates **\$4 million annually** for the local economy.



## 850,000 Taps

Served Daily in California

Orange County annually recycles enough to supply drinking water for **one-third** of its homes and businesses.



Driving

## 20,000 Jobs

in Nevada's Desert

A planned 13-mile pipeline will provide **1.3 billion gallons** of recycled water annually to Tahoe Reno Industrial Center, home of Tesla, Switch, and Google...and **20,000 new jobs**.



Supporting **70%** of Global Internet Traffic through Virginia

Recycled water cools Loudoun County's "Data Center Alley" which processes more than **two-thirds** of the world's Internet traffic.



## \$35 Million

for Ski Slopes in Arizona

The Snowbowl, a ski resort in Arizona's San Francisco Peaks, uses recycled water for its slopes—sustaining a **\$35 million** tourism industry.



## 2,000 Acres

of Wetlands and Reuse in Texas

Recycled water replenishes the Upper Trinity River and man-made wetlands—restoring a natural habitat for migratory birds and **supplying drinking water for the Dallas/Ft. Worth area**.



## \$600 Million

Hole-In-One in South Carolina

Hilton Head recycles water to irrigate eleven destination golf courses—sustaining **\$600 million annually** in recreational tourism.



## 100,000 Homes

Powered in Florida

Tampa Electric uses recycled water to cool a power plant and generate electricity for **100,000 homes**.

