

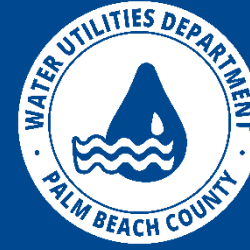
Palm Beach County
Water Utilities

Enhancing
Water Quality

Strengthening
Our Infrastructure



PBCWUD: Your Award-Winning Utility



58+ Awards in past 5 years at local, state, national and International levels



Public Health Protected, Zero Water Quality Violations

Public health and regulatory excellence: Achieved and sustains zero water quality violations, ensuring full regulatory compliance and demonstrating an unwavering commitment to protecting public health, safety, and customer trust through proactive monitoring, preventive maintenance, and rigorous operational controls.

1st Utility in North America with Asset Management ISO Certification

Nationally recognized asset management program: Leads and maintains one of the top-performing utility asset management systems in the nation, the first utility in North America certified in ISO 55001, overseeing a diversified infrastructure portfolio valued at \$8 billion, enabling data-driven lifecycle planning, risk-based prioritization, regulatory compliance, and long-term capital optimization.

One of the World's Most Advanced Reclaimed Water Systems

Water resilience and innovation leadership: Developed and operates one of the world's most advanced reclaimed water systems to drought-proof the utility, including a dedicated water purification plant and public education center that showcases advanced treatment technologies, promotes water reuse, and strengthens long-term sustainability and community engagement.

PBCWUD: 2026 Awards Received



WaterReuse Association: Excellence in Action

The Excellence in Action recognition showcases exemplary water reuse projects, systems, and/or facilities that demonstrate the value of water reuse to the community served by them. The WaterReuse Association selected Palm Beach County in recognition of its ambitious reclaimed water program, which has returned 85 billions of gallons of water to the water cycle, benefitting the environment since its inception in the late 1990's.



FDEP Operations Excellence Award & NACWA Peak Performance Award – Southern Region Water Reclamation Facility

The National Assoc. of Clean Water Agencies (NACWA) honored SRWRF with the platinum Peak Performance award for five consecutive years of 100% compliance in its exemplary wastewater treatment and reclamation processes.

The SRWRF was recognized by Florida Department of Environmental Protection (FDEP) for its outstanding treatment plant operation, maintenance, and compliance.



Water Plant Operations Excellence Award – Water Treatment Plan No. 9, Boca Raton

Florida Department of Environmental Protection (FDEP) awarded Water Treatment Plant #9 in recognition of its outstanding treatment plant operation, maintenance, and compliance.

UTILITY OVERVIEW



3rd largest

full-service utility in Florida

Serves **645,000** residents



Drinking Water

Also known as potable water

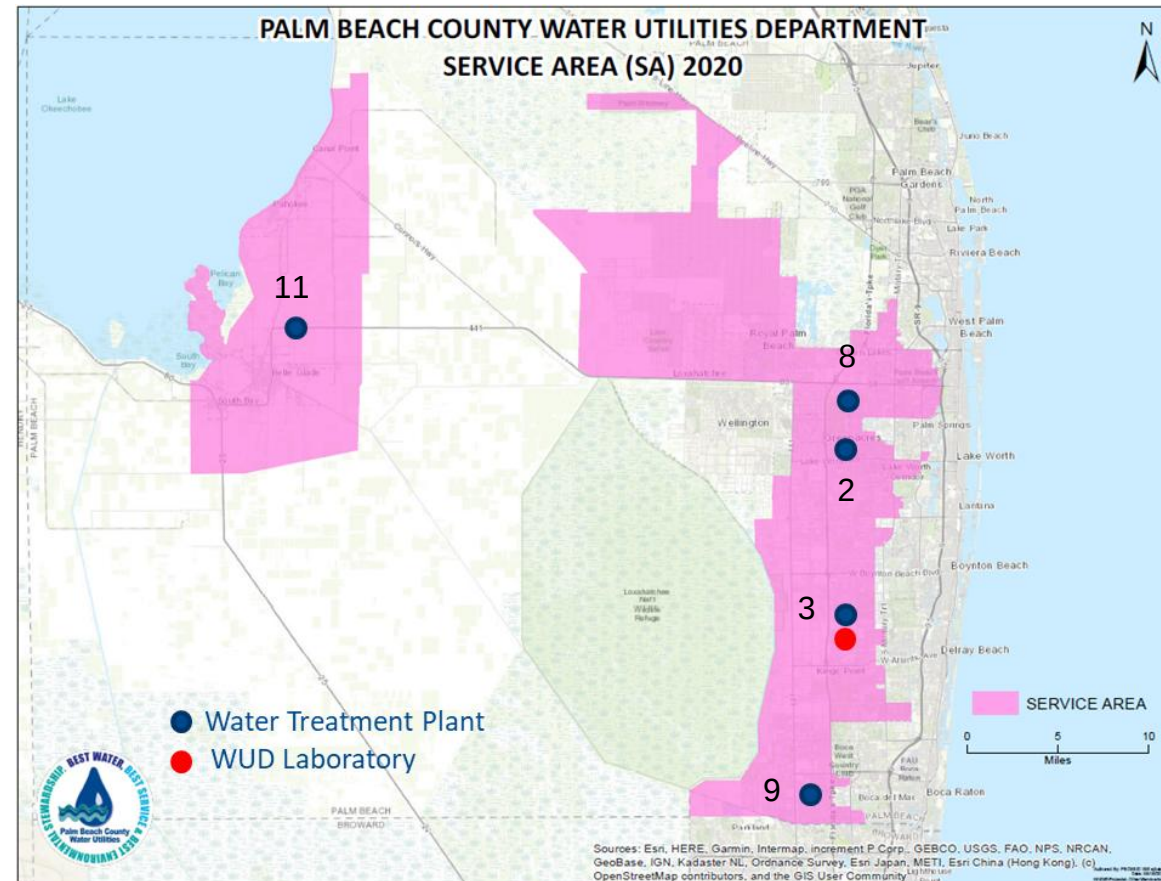


Wastewater



Reclaimed Water

Also known as recycled or reuse water



BEST WATER, BEST SERVICE & BEST ENVIRONMENTAL STEWARDSHIP

UTILITY OVERVIEW



5 Water Treatment Plants

3 Wastewater Treatment Plants

4 Operation Centers

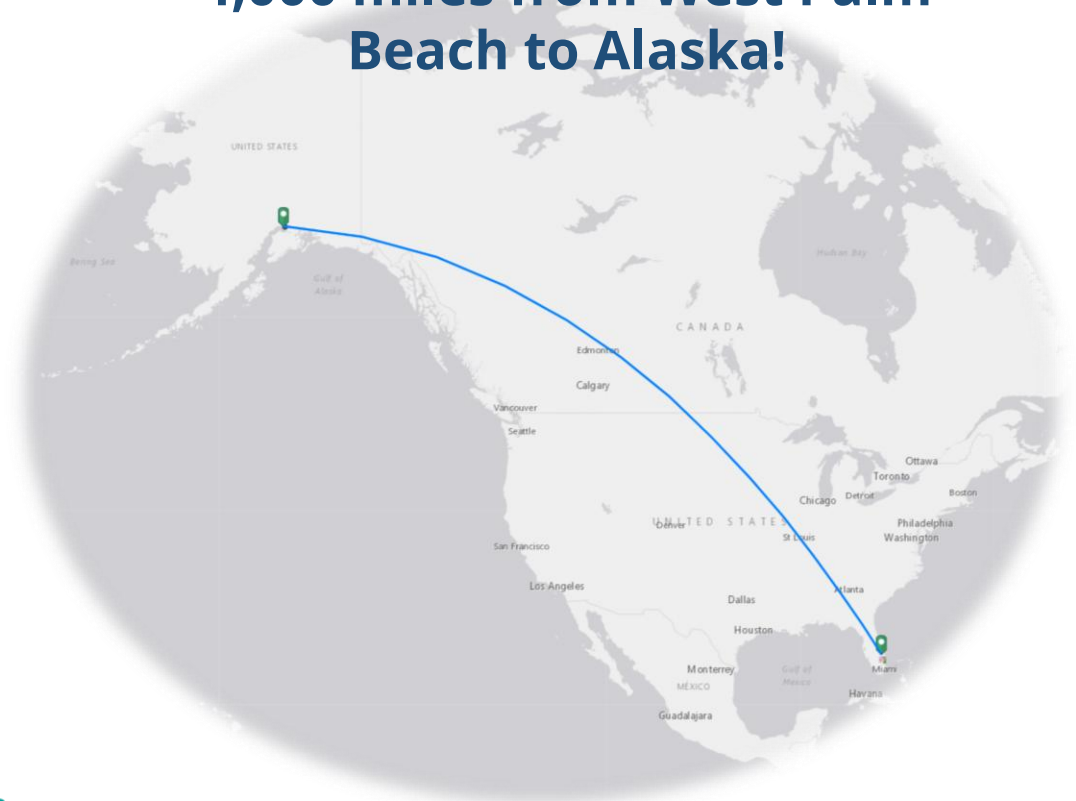
4,000+ Miles of Pipes

20,000+ Fire Hydrant

1,000+ Lift Station

Employs **640** utility professionals

4,000 miles from West Palm Beach to Alaska!



BEST WATER, BEST SERVICE & BEST ENVIRONMENTAL STEWARDSHIP

PFAS-Background



Per- and polyfluoroalkyl substances (PFAS) are a group of synthetic chemicals that have been in use since the 1940s

PFAS are found in a wide array of consumer and industrial products

80% of PFAS exposure comes from sources other than drinking water, EPA says



Drinking contaminated municipal water or private well water



Eating fish caught from water contaminated by PFAS (PFOS, in particular)



Accidentally swallowing contaminated soil or dust



Eating food that was packaged in material that contains PFAS



Using some consumer products such as stain resistant carpeting and water repellant clothing

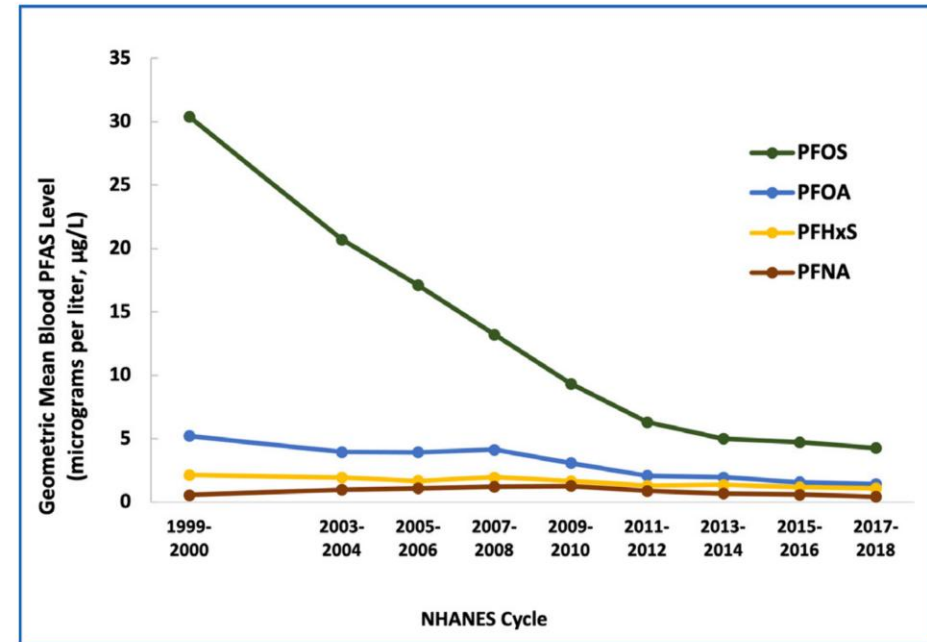
PFAS-Background



From 1999–2000 to 2017–2018, blood PFOS levels declined by more than 85%

From 1999–2000 to 2017–2018, blood PFOA levels declined by more than 70%

However, as PFOS and PFOA are phased out and replaced, people may still be exposed to other PFAS.



National Center
for Environmental Health
Agency for Toxic Substances
and Disease Registry

Ahead on PFAS Compliance



Historical Compliance level

- 2009: Non-enforceable compliance level of 200 ppt
- 2016: Non-enforceable compliance level of 70 ppt
- 2024, 2025: **Enforceable** compliance level of **4 ppt**
- Full Compliance achieved at 3 of 5 Water Treatment Plants
- On average PFOS and PFAS levels at WTPs 2 and 8 are between 10 to 20 ppt

Compliance with the 2024, 2025 Rule

Water Treatment Plant (WTP)	Status
11 (w system, Glades)	In full compliance
3 (east system, W Delray)	In full compliance
9 (east system, W Boca Raton)	In full compliance
2 (east system, Central PBC)	Work in progress
8 (east system, Central PBC)	Work in progress

WTP 2: Building a State-of-the-art Membrane Treatment Facility

- Preparing to Meet Federal Compliance Deadlines
 - Must meet **2030** deadline for PFAS removal
 - Current plant uses lime-softening and ion exchange treatment
- Plant upgrades benefits:
 - Advanced Treatment & Water Quality Improvement
 - Long-Term Reliability & Resiliency
 - Future Capacity
 - Sustainable Growth
 - Estimated project cost \$250M



WTP 8: Building a State-of-the-art Membrane Treatment Facility

- Preparing to Meet Federal Compliance Deadlines
 - Must meet **2030** deadline for PFAS removal
 - Current plant uses lime-softening and ion exchange treatment
- Plant upgrades benefits:
 - Advanced Treatment & Water Quality Improvement
 - Long-Term Reliability & Resiliency
 - Sustainable Growth
 - Estimated project cost \$250M



Financially Strong with Stable Growth



Enterprise funded with **AAA** bond rating from Moody's, S & P & Fitch

Successfully secured **~\$100M** in grants and other outside fundings

Capital Improvement Plan 2026-2031 **~\$1.1B**

2,000 Yearly average new connections



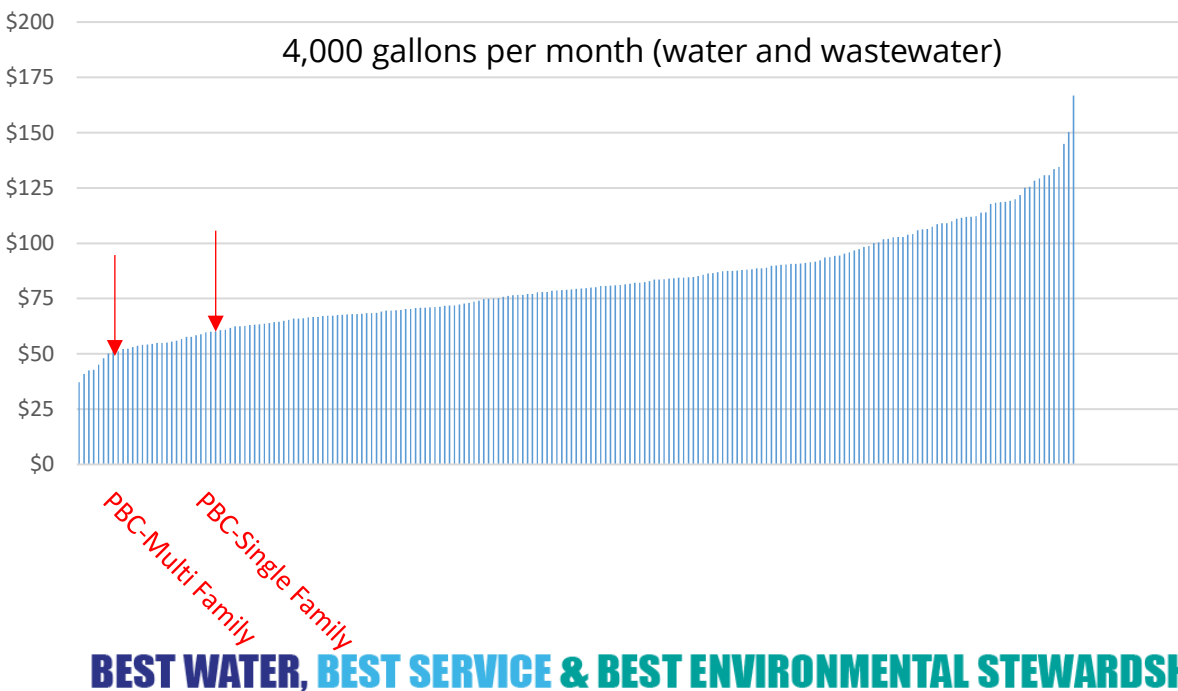
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Protecting Customer Affordability While Maintaining Reliable Utility Services

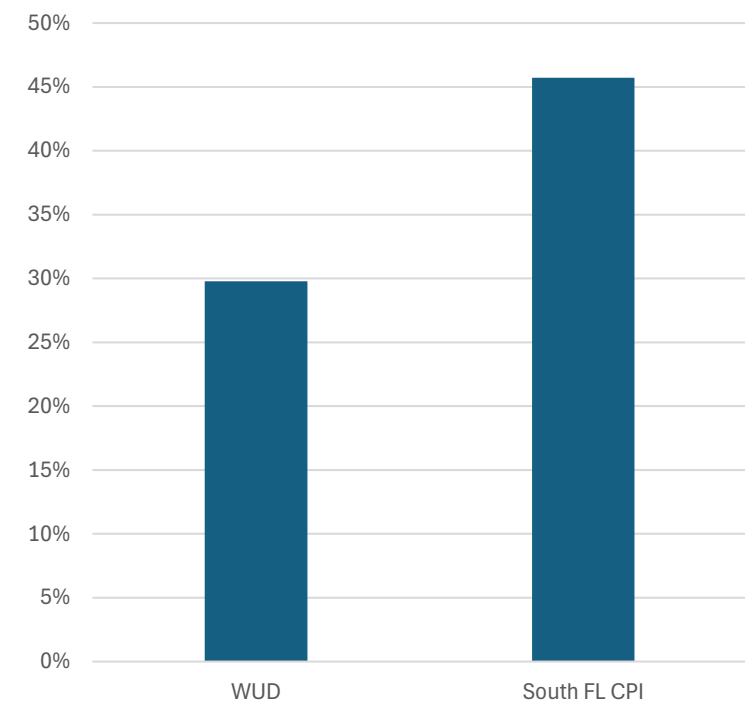
30 – 40 % lower cost than State average

For residential customers with 4,000- or 8,000-gallons consumption per month

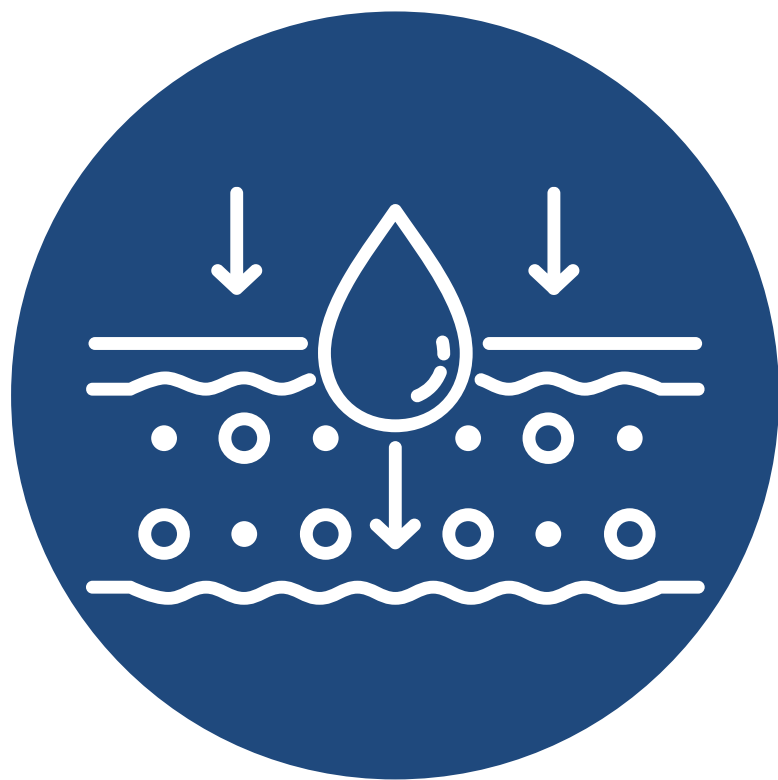
Utility Monthly Cost Comparison Across 200+ FL Utilities



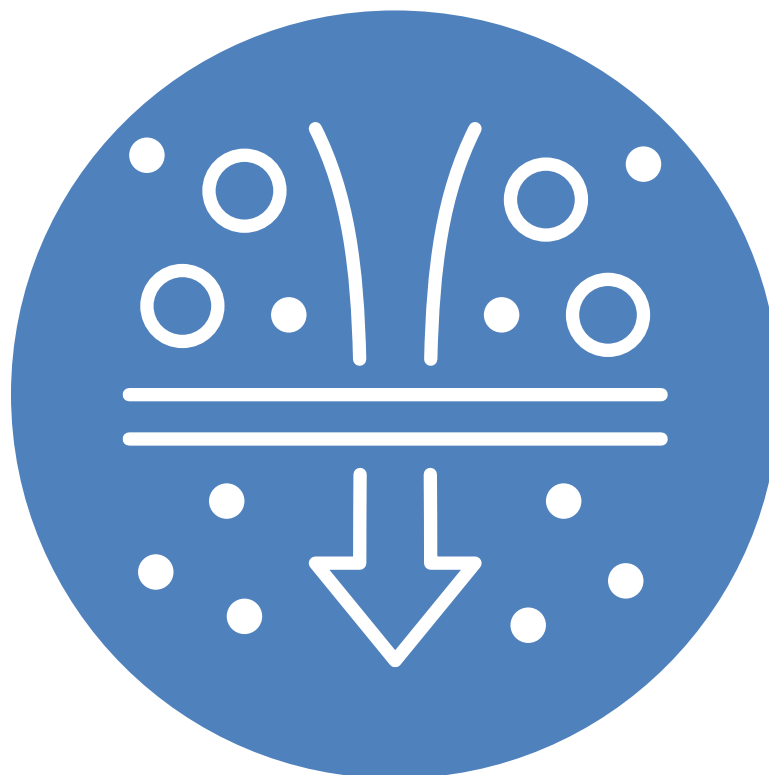
WUD rate increase vs. S FL consumer price index 2017-2026



Removal of PFAS from Wastewater? Yes, Green Cay Phase 2



ULTRAFILTRATION



REVERSE OSMOSIS



UV/ADVANCED
OXIDATION



**TODD J.
BONLARRON**
GREEN KAY LEARNING CENTER

Coming early 2027!

Thank You!

Ali Bayat, P.E., PMP

Department Director

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