



Recycled Water: Safely Supplying Florida's Future

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What is Potable Reuse?

- Highly treated recycled water from various sources people can use for drinking, cooking or bathing
- Meets or is a higher quality than strict state and federal drinking water standards
- Proven technology to make the water safe

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Florida's Water Supply

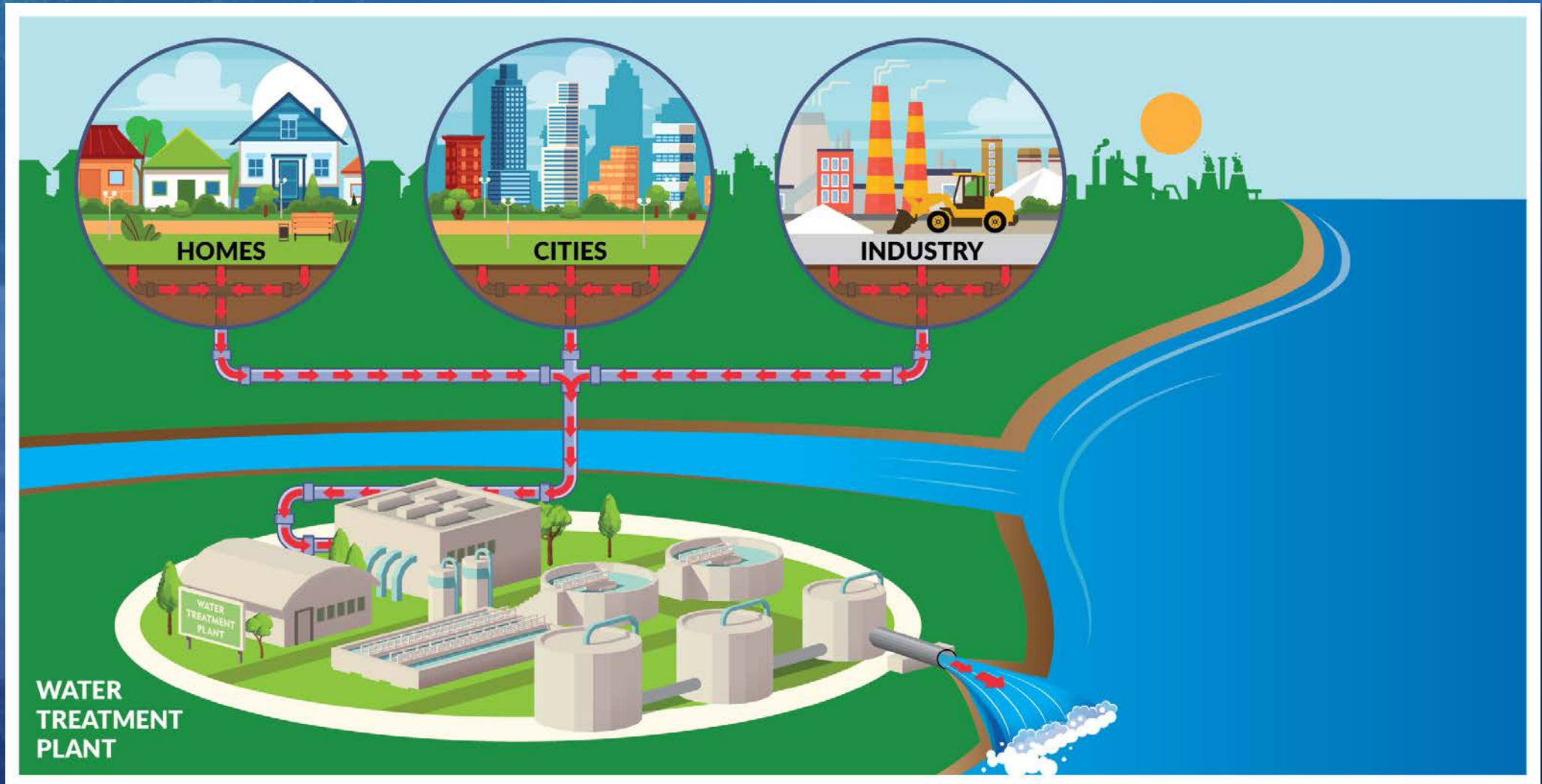
- Floridians use nearly 6.4 billion gallons of water per day
- Estimated 1,000 people moving to the state daily
- Need an additional 1 billion gallons of water per day by 2040
- Our supply is not endless



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Supplying Florida's Demand



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Indirect and Direct Potable Reuse

Indirect Potable Reuse

Indirect potable reuse is highly treated wastewater that receives additional natural treatment in an aquifer or a wetland, then is withdrawn and treated all the way to drinking water standards and sent directly to homes and businesses for all purposes.

and

Direct Potable Reuse

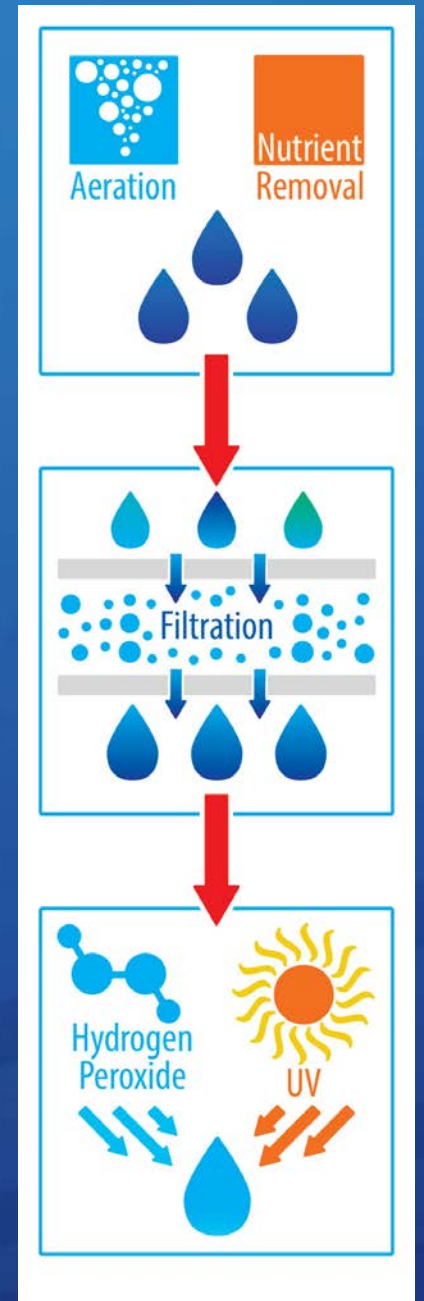
Direct potable reuse is wastewater that is treated all the way to drinking water standards and then sent directly to homes and businesses for all purposes.

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Process to Treat Recycled Water (Direct)

- 1. Goes through multiple advanced pretreatment processes, aeration and nutrient removal
- 2. The water receives additional filtration to remove microorganisms, including viruses, bacteria and other pollutants
- 3. Protection through advanced disinfection treatments such as ultraviolet light, ozone and peroxide to ensure high-quality drinking water



Making Sure Water is Safe

- Highly trained and certified water treatment operators maintain safe, functioning water systems in Florida
- Florida Department of Environmental Protection (DEP) ensures utilities provide safe, reliable water to Floridians
- Ensures that water utilities provide safe, reliable drinking water to Floridians, including those using recycled water

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Recycled Water Helps Our Environment

- Relieves pressure on Florida's water resources and ecosystems
- More water remains in our rivers and springs for the fish, plants and wildlife that rely upon them such as fish, birds and the endangered manatee



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Recycled Water Around the World and Beyond

Recycled water projects have been implemented from coast to coast in the United States, around the globe and even in space.

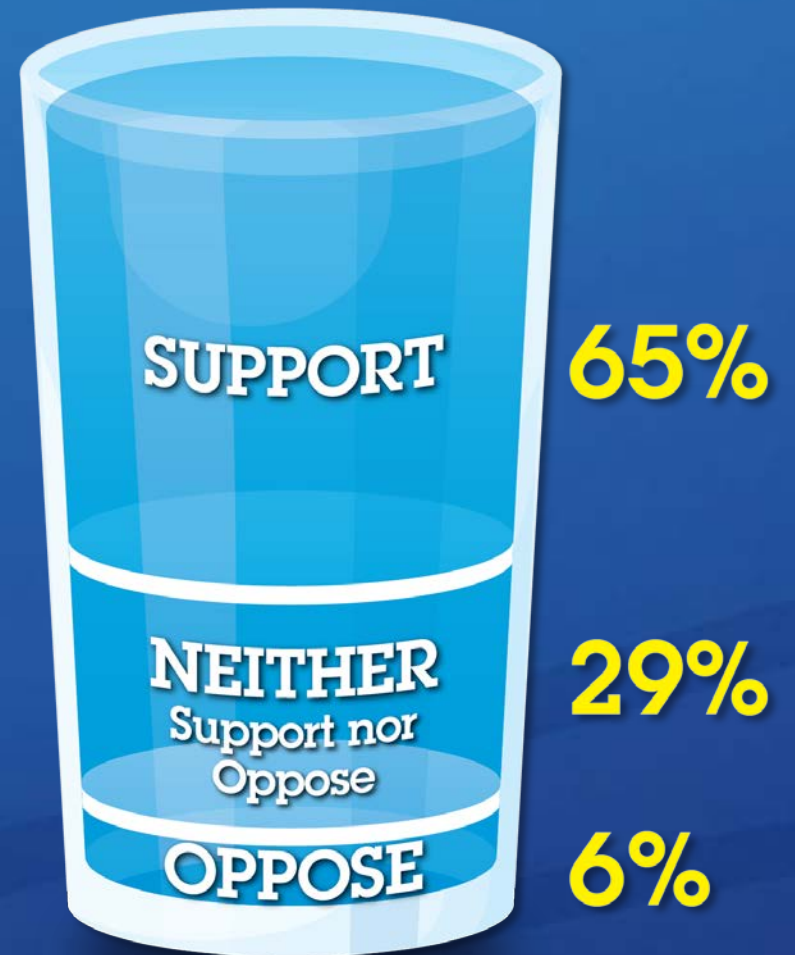


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Public Sentiment

A statewide survey funded by DEP found the majority of respondents supported indirect and direct potable reuse for all household purposes after they were educated on this type of recycled water.



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Next Steps for Recycled Water in Florida

- Clean Waterways Act in 2020 gave DEP the authority it needs to create and update regulations
- DEP initiated the public process to update its regulations based on the Florida Potable Reuse Commission's recommendations
- Regulations will address contaminants of emerging concern, and federal and state drinking water quality standards
- DEP's regulations will ensure all recycled water is safe

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- Recycled water facts
- Experts working with recycled water
- Projects around the world
- Additional resources

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Questions?



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