

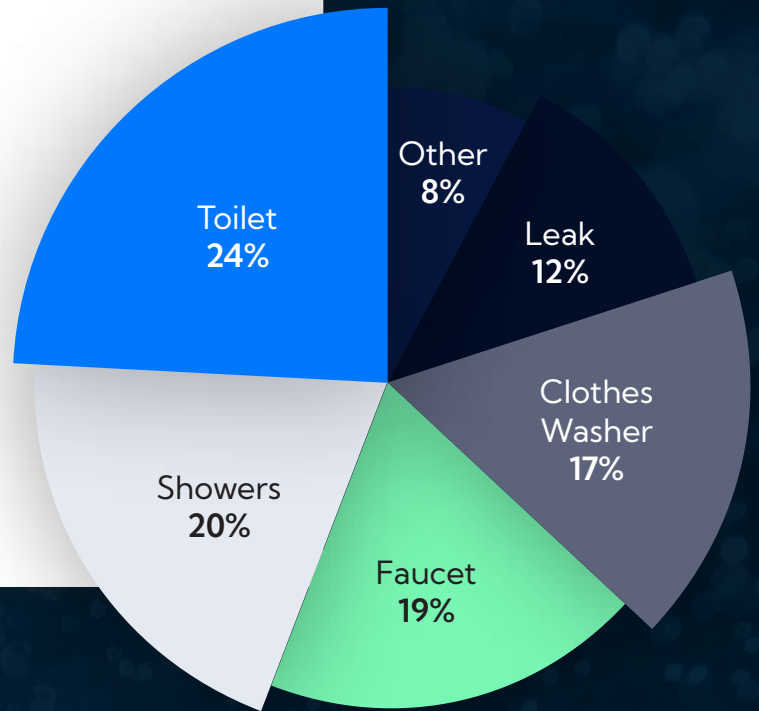
The ONE Water™ ONSITE REUSE SYSTEM



Reduce water demand up to 95%

Future-proof your project's water supply by recycling and reusing water from showers, sinks, washing machines and other wastewater sources, reducing the demand for municipally supplied potable water by up to 95%. Save hundreds of thousands of dollars annually on utility fees while investing in sustainable and reliable water reuse solutions.

Typical multifamily building water use ▶



SYSTEM BENEFITS



Maximize LEED impact

Incorporating water reuse systems into building designs can contribute to achieving Leadership in Energy and Environmental Design (LEED) and other green building certifications. Epic's full resource recovery solution can earn projects up to 25 LEED points.



Recover wastewater heat energy

The OneWater™ system is designed to minimize long-term energy costs and can be configured with Epic's heat exchange (HX) module to recover wastewater heat that would otherwise be flushed down the drain.



Streamline the permitting process

Utilize Epic's experienced engineering team to lead the permitting process and streamline the system installation and approval by using proven components that are locally available.



Minimize space needed

We understand the value and price of real estate, which is why we seek to create the most space efficient system on the market. Our system can be installed, operated, and maintained within a single building level. No more double-height ceilings or access hatches for membranes needed.



Rapid installation

Equipment and controls are prefabricated on complete skids with minimal loose ship items for simple plug-and-play installation. All components are labeled on construction drawings, saving installation hours.



Accountable and efficient

Utility savings and water use are tracked and measured in real time, providing leadership and facilities teams with critical data that streamlines reporting and performance metrics. Data is readily available on our built-in, cloud-based Eco-Insights dashboard.

Fully automated with remote monitoring

Every critical function of the system operates automatically, saving time and limiting manual operator interaction. The cloud-based system is configured with remote monitoring capabilities and safety alarms, and Epic's trusted O&M team provides 24/7 operator response.



HOW IT WORKS

01 Prefiltration and equalization

Water collected from showers, sinks, washing machines and other greywater sources is stored in an equalization tank that buffers out flow, reducing the size of the downstream system.

03 Membrane filtration

Water is then rigorously filtered using membranes with a nominal pore diameter of .04 microns.

02 Biological treatment

The raw water undergoes a biological treatment process for removal of organics, known as Biological Oxygen Demand (BOD).

04 Disinfection

Before pumping for reuse in the building, water undergoes multiple steps disinfection which render the water safe for reuse in non-potable applications.



SAFE, RELIABLE, AND SUSTAINABLE WATER SUPPLY FOR BUILDINGS

The OneWater™ system safely treats and recycles water onsite for non-potable reuse applications such as toilet and urinal flushing, cooling tower makeup, irrigation, and clothes washing. Leveraging a multi-barrier approach that includes ultrafiltration membranes and state of the art disinfection systems, the OneWater™ system produces a highly purified final product that is guaranteed to meet all regulatory requirements for interior and exterior recycled water reuse, meeting disinfected tertiary reuse effluent standards.

SYSTEM SIZE



100" W

100" H



66" D

Flow Capacity (GPD)	1,000 - 30,000
Width	100"
Height	100"
Depth	66"

The OneWater™ system is meticulously designed to maximize efficiency and flexibility with equipment layout. The system's modular form-factor allows for custom orientation and location, making it easier to fit into tight building spaces. Additional support equipment can be flexibly located within the building.

Built for deployment of any scale. Area requirements listed above are for core MBR skid only. Additional support equipment such as tanks, prefilters, chemical storage, etc. are required for a complete system.

Specifications

	Greywater	Blackwater
Effluent BOD (mg/l)	<10	<10
Effluent TSS (mg/l)	<10	<10
Effluent TN (mg/l)	n/a	<10
Virus Log Removal	6	8.5
Protozoa Log Removal	4.5	7
Bacteria Log Removal	3.5	6



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