Willamette Water Treatment Plant – Profile

Oregon's newest and most technologically advanced water treatment plant comes online in 2026.

- ✓ ***Capacity:*** 60 mgd (initial); 120 mgd (buildout)—serving a population of 370,000 (current) and 440,000 (2045)
- ✓ ***Multiple treatment steps:*** intake screens, enhanced sedimentation, ozone, granular activated carbon, sand filter, UV and chlorine disinfection
- ✓ ***Seismic resilience:*** capable of producing drinking water within 48 hours of 12major event; leading the way for resilience planning and design
- ✓ ***Site:*** 20 acres with stable soils (WTP); 20 additional acres for landscaped buffers, habitat, amenities
- ✓ ***Year-round, high quality supply source:*** Willamette River at Wilsonville (37,400 cfs average flow—19th in volume in the U.S., 10th best in water quality)
- ✓ ***Similar plant:*** operating safely and reliably on the Willamette at Wilsonville since 2002

Hillsboro OREGON

Willamette Water Supply
Our Reliable Water Future

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Clean Water in Seven Steps

Producing Safe, Good-Tasting Water

These treatment steps make water even purer than required by current state and federal drinking water standards.

START HERE

1 INTAKE SCREENS
Protects fish and prevents debris from entering the treatment facility

2 ENHANCED SEDIMENTATION
Removes river silt and materials that are small enough to pass through the intake screens

3 OZONATION
Destroys contaminants, breaks down organic chemicals and odor-causing compounds

4 GRANULAR ACTIVATED CARBON
Removes organic material, dissolved chemicals and odor-causing compounds

5 SAND FILTER
Filters any remaining silt or particles

6 ULTRAVIOLET DISINFECTION
Destroys illness-causing pathogens

7 CHLORINATION
Protects treated water from bacteria as it's delivered to customer's tap

WILLAMETTE RIVER

All the way to homes and businesses

www.OurReliableWater.org

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