

EMERGENCY



Wastewater treatment success story



SUCCESS!

Wastewater Treatment Division

Wastewater Treatment Facts

- Population Served: 1.4 million
- Area Served: 420 square miles
- King County Sewer Lines: 275 miles
- Sewer Pipe Diameter: 12 inches to 12 feet
- Pump Stations: 42
- Regulator Stations: 19
- Sewage Treated Systemwide: . . . about 200 million gallons per day
- Methane Gas Sold: 2.2 million therms per year
- Electricity Generated: 11.9 million kilowatt hours per year
- Biosolids Production: 27,000 dry tons per year
- Reclaimed Water Production: . . 292 million gallons per year



Clean Water – A Sound Investment


Our role

In 1958, King County citizens established a regional wastewater conveyance and treatment system to clean the polluted waters of Lake Washington and Puget Sound. More than 40 years later, we have succeeded in dramatically improving the quality of our area water bodies. In partnership with other jurisdictions, businesses and individuals, King County continues to protect the public health and environment, while recycling and reusing natural resources.

King County, working in your neighborhood to protect public health and the environment

What lies ahead

To handle the rapid growth of our region, King County is planning to build a new treatment plant, Brightwater, to serve our customers in north King and south Snohomish counties. We are strongly committed to the region's water resources and the health and well being of future generations.



King County
Department of
Natural Resources and Parks
**Wastewater Treatment
Division**

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King County
Department of
Natural Resources and Parks



Ensuring clean water and a healthy region

THE KING COUNTY WASTEWATER TREATMENT PROCESS



King County has a vast network of underground pipes.

Each day, residents, businesses and industries in King County's wastewater service area produce more than 200 million gallons of wastewater. Local cities and sewer districts collect it directly from customers and transport it to King County's regional conveyance system.

Using an extensive network of pipes and pumps, King County brings the wastewater to one of two regional treatment plants where it is treated and discharged into Puget Sound. A third small plant treats wastewater generated on Vashon Island. King County is also working to reduce the amount of stormwater mixed with some wastewater that



sometimes flows directly to bodies of water. These combined sewer overflows occur during heavy rains in some older parts of the system.



King County is committed to reusing and recycling resources. We can produce 292 million gallons of reclaimed water each year. This highly treated water can be used safely for non-drinking water purposes such as irrigation and industrial processing. Besides reclaimed water, methane gas, a product of the wastewater process, is produced and sold to Puget Sound Energy. Selling it helps reduce the cost of the plants to the public. Through co-generation, electricity is produced, and the resulting energy can power up to 100 homes in surrounding areas. King County also recycles high-quality biosolids that benefit soils and crops in eastern and western Washington.



Volunteer using biosolids in reforestation project.

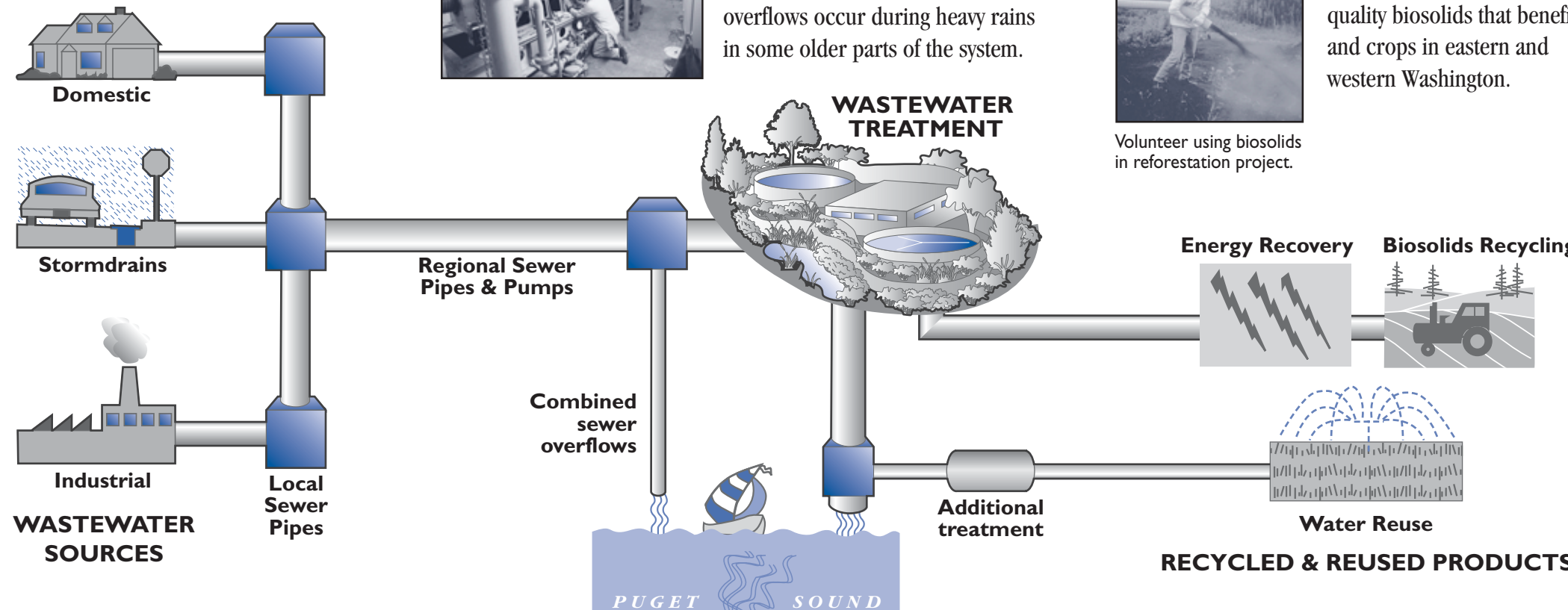
West Point Treatment Plant, Seattle



South Treatment Plant, Renton



Vashon Island Treatment Plant



This vast system preserves the region's waterways from serious pollution problems, protecting public health and our quality of life.

How to contact us:
 Wastewater Treatment Division: . 206-684-1280
 Toll-free: 1-800-325-6165
 Our Web site: <http://dnr.metrokc.gov/wtd/>