



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

SUSTAINABILITY

IN KING COUNTY'S

WASTEWATER TREATMENT DIVISION (WTD)

2019 Highlights



As a **CLEAN WATER** utility, we **PROTECT PUBLIC HEALTH** and **ENHANCE THE ENVIRONMENT** by collecting and treating wastewater while recycling valuable resources for the Puget Sound region.

Loop® Biosolids – a renewable resource

WTD produces Loop biosolids, which return most of the carbon and nutrients in wastewater back to the land. There they sequester carbon and build soil naturally. In addition to environmental benefits, WTD received **\$511,095** from the sale of biosolids to commercial timber and agricultural customers in 2019.



Increased biosolids applications to forests in 2019—the most in over a decade!



Equity and Social Justice

9 Sustainability Scorecard Credits added to improve Equity and Social Justice on capital projects



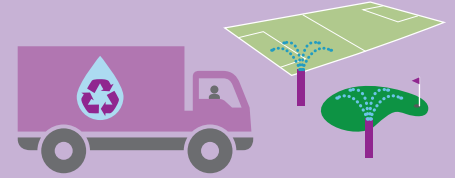
Education

20,887 kids and adults were educated about water resources



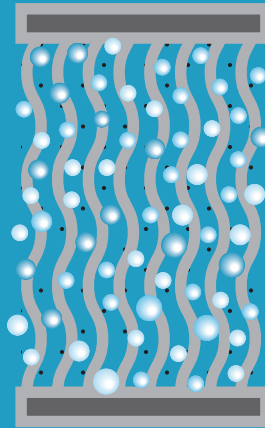
Recycled Water

82 million gallons of recycled water were distributed to customers for irrigation, enhancing wetlands, and city uses



Energy Savings

The LEAPmbr project improved process control, reduced maintenance time and had energy savings. Saving King County **\$170,645** per year in energy costs.



Fast Facts

1.84 million residents - Population served

2,192 tons - Construction waste diverted from landfill through recycling and salvage

178 million gallons/day - Volume of wastewater treated

\$700,000 - Saved due to energy efficient operations

719 million gallons/year - Drinking water saved by using recycled water in treatment plant operations

124,958 wet tons - Loop® biosolids produced

88% of projects - Earned platinum certification for sustainable construction

365 trees planted

WATERWORKS GRANT PROGRAM

WTD awarded **\$4.6 million** in grants for **69 projects** that will improve water quality in the region. Project approaches include:

community engagement



stream & river bank restoration



research & monitoring



green stormwater infrastructure (raingardens & cisterns)

