



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

SUSTAINABILITY

IN KING COUNTY'S
WASTEWATER TREATMENT DIVISION (WTD)

2016 Summary



Our regional wastewater treatment system has a big job to do. **We collect and treat wastewater while recycling valuable resources for our region.** Our system operates around the clock to sustain a healthy environment. This vital infrastructure supports economic development that enables our region to thrive.

SERVING **1.7 MILLION PEOPLE** and growing...

BUILDING AND SUPPORTING SUSTAINABLE COMMUNITIES

CLEAN WATER

Protecting water quality and public health in the central Puget Sound Region by

cleaning **188 million gallons** of wastewater per day.

CLEAN ENERGY

Converting waste to energy by capturing biogas during the treatment process. In 2016, WTD captured and used 450,000 MMBtu of biogas, equivalent to the annual electricity use of



11,500 homes

based on the average yearly electricity use of 39.4 MMBtu per home in Washington State

SUSTAINABLE CONSTRUCTION

In 2016, ALL completed construction projects reached the highest levels of sustainability.



CONFRONTING CLIMATE CHANGE

WTD is striving to achieve carbon neutral operations through:



reducing emissions



creating renewable energy



planting trees



applying biosolids to land

EQUITY, SOCIAL JUSTICE, & VIBRANT COMMUNITIES

In 2015-2016, WTD awarded community partners approximately

\$4M in Waterworks Grants for

49 projects

that contribute to water quality improvement, such as:



water quality education & research



stream & river bank restoration



green stormwater infrastructure (raingardens & cisterns)

WTD educates and inspires a diverse community to act as stewards of our water resources.



K-12: **15,707** participants

Adults: **1,598** participants

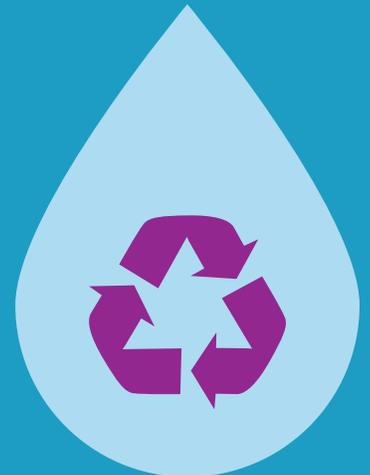
COMMUNITY ENGAGEMENT



WTD participated in more than 400 activities to share information with **over 130,000 community members** about our work to protect public health and the environment.

RECYCLED WATER

WTD's treatment plants **saved 711,000,000 gallons of drinking water** by using recycled water in plant operations.



COST-EFFECTIVE OPERATIONS

Energy-efficient actions

reduced the WTD energy bill by

\$140,000

