

STUDENT EDUCATION PROGRAM

ANNUAL REPORT 2018-2019

SNAPSHOT

More than **15,000** students participated in at least one presentation, lab or field experience delivered or funded by Clean Water Services.

1,061 students put **4,164** native plants in the ground.

1,653 students 3rd grade – college toured a water resource recovery facility.



OUR TEAM



Education staff takes the lead on coordinating and delivering classroom and field programming with support from every CWS department. Staff have contributed this year by leading tours, giving presentations, providing expertise and funding non-profit partners.

For the sixth consecutive year, we hosted an AmeriCorps member whose education goal is to reach historically underserved and diverse students.

This year, Katrina spent nearly **150** hours working with more than **2,000** students in our watershed—leading wildlife monitoring, nature exploration and service-learning activities.



CAREER-CONNECTED LEARNING

CWS staff participated in career fairs, panels and job shadows with more than **200** students from elementary to college.

100 college students from PCC and OSU toured our treatment facilities and got specialized presentations from CWS staff about nutrient recovery, engineering and ecology.

CWS offers nearly **20** internship positions each year for current college students or recent graduates in Resource Recovery, Engineering, Regulatory Affairs, Watershed and Public Affairs.



PLACE-BASED EDUCATION

FERNHILL **700** students from Forest Grove and Hillsboro schools and local colleges and universities studied water quality, native plants, wildlife and natural treatment systems.

FACILITY TOURS **1,653** students from **23** schools or community groups visited one of our water resource recovery facilities. Nearly **80** percent of those students participated in water related classroom or field programming prior to their tour, taking content from conceptual, to real-world.



IN THE CLASSROOM

RIVER RANGERS **4,286** 3rd-5th grade students and their families in **52** schools participated in our cornerstone education program established in 1990.

SEWER SCIENCE For the fifth year in a row, all Tualatin High School biology students, (**20** classes, **600+** students), participated in our multi-day lab where students create, test and treat synthetic wastewater before touring one of our water resource recovery facilities.



IN-DEPTH LEARNING

65 high school science students participated in the **Student Watershed Research Project (SWRP)** to monitor and present findings on local stream conditions. **50** students from Sunset High School studied Gales Creek and **15** students at St. Mary's Home for Boys monitored Beaverton Creek.

In the fourth year of a STEM partnership with the Forest Grove School District, elementary classes implemented science curriculum using visits to **Fernhill** to take learning outside.

Nearly **500** students participated in teacher-led programming to learn about filtration, habitats, adaptations and ecosystems.

CWS staff provided site-specific teacher training at Fernhill to **20** teachers.

Every student (**600**) at **South Meadows Middle School** participated in watershed health programming designed to support in-class curriculum. Seventh graders visited Rood Bridge Park for a 2 hour field experience, eighth graders explored the stormwater engineering design of their school campus.

Forest Grove Community Alternative Learning Center (CALC) students visited Fernhill three times over the course of the year. Our AmeriCorps member led them through planting, water and wildlife monitoring, and tours at Fernhill, which is within walking distance from campus.



PARTNERSHIPS, FUNDING & SPONSORSHIPS

CWS funded nearly **\$100,000** worth of programs, presentations, competitions and camps through non-profit and partner organizations that reached more than **7,000** Tualatin Basin students.

\$28,660 for watershed health programming delivered to all **600+** students at Meadows Middle School by Friends of Trees, Jamie Stamberger and Centro Cultural.

\$16,189 for Student Watershed Research Project (SWRP).



\$12,208 to support 28 days of Cascade Education Corps' service learning through restoration.

\$10,375 for bus transportation to tours, planting events and festivals for **4,004** students.

\$10,000 to fund Bienestar Explorador summer camp activities and field experiences for more than **80** elementary students.



\$8,600 to support Jackson Bottom Wetlands' traveling education programs that reached nearly **500** students at Hillsboro Title 1 Schools.

\$4,400 to support planting activities for **723** Fowler Middle School students with Friends of Trees.



\$4,225 for **390** 4/5th graders to participate in beaver-centered programming exploring habitat, ecosystems and water quality with The Wetlands Conservancy.

\$1,500 to fund the Children's Clean Water Festival. One third of the **1,400** students that attended were from the Tualatin Basin.

For more information, contact Ely O'Connor at OConnorE@CleanWaterServices.org or 503.681.4463