Goal:
Improve water quality in the WTD service area
Additional Benefits

- Build community involvement & stewardship
- Leverage funding
2015-2018, WaterWorks has awarded:

$7.7 M for 105 Projects

green stormwater infrastructure (raingardens & cisterns)
education & community engagement
research & monitoring
stream & river bank restoration
WaterWorks Competitive Round 4

- 28 projects
- $2,139,500
- Proposed Ordinance 2019-0444 would approve the Grant Ranking Committee recommended project list
Kent Meridian High School—$20,000
Rain Garden Project

“What better place to bring awareness of sustainability and water quality than a school?”

green stormwater infrastructure (raingardens & cisterns)

education & community engagement
City of Issaquah—$170,000
Lower Issaquah Creek Stream and Riparian Habitat Restoration

- Additional floodplain (60,000 ft²)
- Increase channel complexity
- Reduce sediment & pollutants
- Lower water temperatures & increase dissolved oxygen
Woodland Park Zoo—$100,000
Stormwater Reuse Feasibility and Design Project with Water Quality Education

- Identify water reuse options
- Reduce stormwater entering CSO
Other Upcoming Projects—New grantees

- **Interim CDA** – $70,000
  - *Danny Woo Rainwater Harvesting Project*

- **Beavers Northwest** – $39,000
  - *Seattle Parks and Recreation Beaver Management Plan*

- **Central Area Collaborative** – $75,000
  - *Place-keeping with Environmental Justice*

- **Lake Advocate** – $38,360
  - *Water Quality Protection of King County Lakes Using Outreach and Education for Diverse Communities*

- **Parkview Services** – $111,677
  - *Riverton Cascade Affordable Homes*
Sno-King Watershed Council—$25,000
Volunteer Water Monitoring, Outreach, and Education
ECOSS—$85,000

Spill Kit Incentive Program

• Provide spill response training to small businesses
• Focus on businesses owned/managed by immigrants, refugees, and people of color
• Staff includes native speakers of 12 languages
Environmental Science Center—$75,000
Salmon Heroes: Watershed Education and Water Quality Monitoring for Underserved Students

Video link:
https://www.youtube.com/watch?time_continue=2&v=pSPCehu-OjQ
Stewardship Partners—$150,000
Equitable Green Stormwater Infrastructure (GSI)
Incentives for King County

- Financial incentives for voluntary GSI
- Across WTD service area
- Manage 1-2 million gallons/year

green stormwater infrastructure (raingardens & cisterns)
education & community engagement
Seattle Public Utilities — $100,000

Protect Our Pipes, Phase 2 Outreach

- Follow up on pilot project with UW
- Social marketing campaign
- Clog data
- Outreach to multiple colleges; multi-family buildings

Previous findings:
- Young adults use more “flushable” wipes
Previously-funded projects

Results!
Salmon-Safe—$42,728

Salmon-Safe Sammamish

• REI Bellevue Campus will be Salmon-Safe certified:
  ➢ most stormwater from 36-acre site will be treated via bioretention planters

• Over 800 acres of new development and retrofits managed to Salmon-Safe standards
University of Washington—$65,000
Use of Floating Treatment Wetlands to Reduce Metals and Nutrients in Urban Stormwater: Impacts on Coho Salmon Spawning Mortality

24 hour exposure to three treatments

1. Hatchery water – control
2. Treated water – FTWs
3. Untreated water – direct stormwater

Monitored water quality every hour:
- Temperature (~11 – 13 °C)
- Dissolved oxygen (7.8 – 10)
- pH (7 – 7.85)

Monitored fish every hour:
- Fish survival
- Fish behavior
  - inversion
  - gasping
  - bumping