

# MEMO

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September 26, 2019

TO: The Honorable Dow Constantine, King County Executive

FM: WaterWorks Grant Ranking Committee  
David Bain, District 1 Representative  
A. William Way, District 3 Representative  
Kintea Bryant, District 4 Representative  
Debbie Natelson, District 5 Representative  
Bobbi Wallace, District 6 Representative  
Kathy Minsch, MWPAAC Representative, City of Seattle  
Pam Carter, MWPAAC Representative, Valley View Sewer District  
Bob Elwell, MWPAAC Representative, City of Auburn  
Nathan Karres, Water Quality Technical Specialist

RE: WaterWorks Grant Recommendations - Round 4

We would like to thank you for the opportunity to be involved in the review and ranking process for the fourth round of the WaterWorks grants. Our committee had a series of eight meetings to discuss the criteria, eligibility, water quality benefits, implementation strengths, equity and social justice aspects, and community involvement of the projects.

WaterWorks uses a two-step application process: letters of intent and full applications. Out of the original 73 proposals, 41 were invited to submit full applications, 40 submitted full applications, and 28 are recommended for funding. We are pleased to see many diverse and innovative proposals to improve water quality in the King County Wastewater Treatment Division (WTD) service area. We carefully considered our recommended project list to ensure diversity not only in approach and geographic distribution, but also in target populations. We are confident these projects will enhance the work of WTD and benefit WTD's service area and ratepayers.

Because we strongly support this program, we may make some recommendations in advance of the next grant cycle to improve the process. We believe the diversity and quality of proposals are directly related to the outreach and excellent staff support from WTD. We would also like to acknowledge the work of internal reviewers from WTD and King County's Water and Land Resources Division (WLRD) whose analyses furthered our understanding of the submitted projects.

Included, on the following pages, is our recommended project funding for the WaterWorks Grant Program - Round 4. This original recommendation list was endorsed unanimously by the WaterWorks Grant Ranking Committee. One of the originally selected projects received funding

for their project from another source and Parkview Services was then chosen for funding. Later in the process an additional \$133,500 became available to use for funding due to a change in how administrative costs were categorized. This allowed the funding of University of Washington Drain Games and an increase in funding for the Woodland Park Zoo and Parkview Services. The WaterWorks Grant Ranking Committee approved these changes. The projects are listed by rank with proposed funding amounts and summary descriptions of how the project meets the selection criteria as directed by the adopted Implementation Guidelines.

<i>Grant Applicant</i>	<i>Project Title</i>	<i>Funding</i>	<i>Rank</i>	<i>Project Description and Benefits to Water Quality</i>
Environmental Coalition of South Seattle	Spill Kit Incentive Program for Small and Multicultural Businesses	\$85,000	1	This project will provide spill response training to small businesses, supporting local jurisdictions with local source control outreach. The focus will be businesses that are owned and/or managed by immigrants, refugees, and people of color. This will benefit water quality by ensuring all small businesses are equitably equipped to prevent and handle spills, thereby preventing non-point source pollution.
Nature Vision	Youth Watershed Education, Stewardship, and Citizen Science	\$54,823	2	This project will provide custom water quality and wastewater education programs, including field trips with small scale restoration projects and science for residents, with a focus on serving low-income schools that serve a majority of students of color, as well as immigrant and refugee populations. This will benefit water quality by providing students with project based learning and water quality education, to become better informed residents and stewards.
InterIm CDA	Danny Woo Rainwater Harvesting Project	\$70,000	3	This project will capture and clean rainwater while educating the community in the Chinatown-International District on water health and reuse. This will benefit water quality by reducing stormwater runoff, pollution loading, combined sewer overflows, and erosion; educating community members, and creating water stewards.
Kent Meridian High School	Kent Meridian High School's Rain Garden Project	\$25,000	4	This project will install a rain garden at a public high school with over 80 percent people of color and significant refugee and immigrant populations; and engage students through education and maintenance. This will benefit water quality by reducing the amount of polluted runoff going into local streams and rivers, and educating and engaging youth.

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Mountains to Sound Greenway Trust	Greenway Education Program	\$45,000	5	This project will educate students on water and ecosystem topics, including a field investigation and service-learning stewardship event. This will benefit water quality by educating the next generation about the importance of water quality and ecosystem health, and empowering them to make informed choices.
Puget Soundkeeper	Lost Urban Creeks Community Education and Revitalization Project	\$80,000	6	This project will partner with Unleash the Brilliance, a youth-mentorship organization that serves people of color, to revitalize Springbrook Creek through community based education, outreach, and stewardship. This will benefit water quality by empowering youth, increasing stewardship, restoration, and pollution prevention.
Environmental Science Center at Seahurst Park	Salmon Heroes: Watershed Education and Water Quality Monitoring for Underserved Students	\$75,000	7	This project will increase knowledge of watershed and water quality issues and improve stewardship attitudes through an education and stewardship program. This will benefit water quality by teaching youth the importance of water quality for our ecosystem, and making the connection between everyday actions and water pollution.
Sustainable Seattle	Green Duwamish Watershed – Curriculum Design Lab	\$84,400	8	This project will expand a teacher fellows program to create and sustain problem-based curricula connecting to local water quality issues and plans; pilot and map adopt-a-site projects; and engage equity advocacy high school interns. This will benefit water quality by improving students' understanding of their role in improving watershed and water quality conditions, and connecting them to applied learning.
Beavers Northwest	Seattle Parks and Recreation Beaver Management Plan	\$39,000	9	This project will provide beaver population surveys, development of a comprehensive beaver management plan, and implement non-lethal beaver management and outreach in partnership with Seattle Parks and Recreation. This will benefit water quality by creating, restoring, and retaining beaver wetland and pond complexes.

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City of Redmond	NE 40th Street Stormwater Treatment Retrofit	\$150,000	10	This project will retrofit highway and arterial roads with stormwater runoff treatment, in partnership with Sound Transit and Microsoft Corporation. This will benefit water quality by removing water pollutants before they reach Lake Sammamish and beyond.
Mini Mart City Park	Green Stormwater Infrastructure at Mini Mart City Park	\$100,000	11	This project will install green stormwater infrastructure including bio-retention planters, permeable paving, and a green roof; provide public education components; and work in partnership with DIRT Corps and Duwamish Valley Youth Corps, both groups that serve youth of color and low-income communities. This will benefit water quality by capturing and/or filtering 100 percent of annual rainfall; creating green job pathways for youth of color; and offering educational programs and activities at this demonstration site.
Stewardship Partners	Equitable Green Stormwater Infrastructure (GSI) Incentives for King County	\$150,000	12	This project will build on a successful pilot to offer financial resources to fund voluntary green stormwater infrastructure retrofit projects, accelerating adoption of GSI and increasing the equity of access. This will benefit water quality by preventing, managing, and treating stormwater pollution on private land.
Sno-King Watershed Council	Sno-King Watershed Council volunteer water monitoring, outreach and education	\$25,000	13	This project will support and enhance an existing volunteer water monitoring program. This project will benefit water quality by promoting awareness of local streams and water quality issues, fostering stewardship, providing public outreach and education, and partnering with local organizations and schools.
Woodland Park Zoo	Woodland Park Zoo Stormwater Reuse Feasibility and Design Project with Water Quality Education	\$100,000	14	This project will conduct a feasibility study to identify water reuse alternatives and develop a design, including an educational component. This will benefit water quality by diverting stormwater run-off from entering the combined sewer, by filtering run-off to reduce pollutants before it enters surface and groundwater, and through education.

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City of Issaquah	Lower Issaquah Creek Stream and Riparian Habitat Restoration Project	\$170,000	15	This project will restore in-stream and riparian habitat, providing revegetation, additional floodplain, and increasing channel complexity. This will benefit water quality by lowering water temperatures and increasing dissolved oxygen by increasing shade; and also by removing sediment and pollutants.
City of Maple Valley	Stormwater Facility Water Quality Retrofit	\$45,000	16	This project will rehabilitate eight stormwater ponds that do not meet current requirements; and also involve and educate community members. This will benefit water quality by reducing pollutant load prior to infiltration or discharge to local water bodies, performing outreach to encourage positive behavior; and providing education.
Central Area Collaborative	Place-keeping with Environmental Justice	\$75,000	17	This project will conduct community outreach, get input on priority sites, install a rain garden or other green stormwater feature, and train stewards on maintenance requirements. This will benefit water quality by identifying flooding hotspots, educating the community on impacts of stormwater runoff, and reducing polluted runoff.
Lake Advocates	Water Quality Protection of King County Lakes Using Outreach and Education for Diverse Communities	\$38,360	18	This project will produce videos on water quality, shoreline development, invasive species, and lake management in partnership with University of Washington Bothell and King County's Water and Land Resources Division. This will benefit water quality by providing accessible information in several languages; educating lake users; and improving stewardship.
Whale Scout	Saving the Orcas One Drop at a Time, One Tree at a Time	\$31,740	19	This project will harness the public fascination with killer whales, channeling it towards restoration and stewardship actions at home. This will benefit water quality by increasing stewardship activities such as pollution prevention, water conservation, and restoration.

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Pacific Marine Research	Marine Science Afloat Field Trip Scholarship Program	\$40,000	20	This project will provide approximately 600 students a hands-on environmental education aboard a research vessel through direct interactions with <del>sea</del> <a href="#">lifesea life</a> and water quality testing. Low-income schools will be included through field trip scholarships. This will benefit water quality by creating future stewards through instilling in students a sense of ownership and belonging, and discussions on threats to Puget Sound as well as solutions.
Vashon Nature Center	Vashon Community Waters: Stormwater Education, Engagement, and Stream Monitoring	\$55,000	21	This project will build on recent community science monitoring and upcoming rain garden installations in downtown Vashon; and create a model of community-based stormwater reduction. This will benefit water quality by getting residents actively engaged in learning about water quality impacts, and inspiring them to change habits.
University of Washington, College of the Environment	Floating Treatment Wetlands Reduce Contaminants and Nutrients in Urban Stormwater Runoff	\$100,000	22	This project will determine which species perform best in floating wetlands in reducing contaminants; test whether harvesting plant material will assist in removing contaminants, and examine the fate of contaminants. This will benefit water quality by determining the best phytoremediative species and biomedica for use in Floating Treatment Wetlands to be used to treat stormwater within urban streams.
City of Seattle, Seattle Public Utilities	Protect Our Pipes Phase 2 Outreach	\$100,000	23	This project will expand on previous work that found that young adults tend to use more “flushable” products, and piloted outreach campaigns at the University of Washington. This follow-up project will expand outreach to multiple colleges as well as residents of multi-family buildings that house large low-income, refugee, and immigrant populations; educate communities on what can and cannot be flushed and measure results. This will benefit water quality by reducing the amount of trash going into wastewater systems, and reducing impacts on the combined sewer systems.

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Washington Water Trust	Recycled Water: A Tool for Sustainable Agricultural Water Use	\$115,000	24	This project will increase consumer demand for recycled water through developing a demonstration garden, testing results, and engaging in targeted outreach and social marketing. This will benefit water quality by promoting the use of recycled water, which can help lower river temperatures and provide a safe alternative to irrigation water.
Cascadia College	Student Led Implementations for Stormwater Management	\$24,500	25	This project will build on previous work to install best management practices for stormwater on campus, engaging students and tracking before and after results. This will benefit water quality by reducing bacteria and nutrient levels in North Creek, and leverage the service of University of Washington Bothell and Cascadia facilities teams, and developing over time a comprehensive water quality management system for the campus.
Pacific Science Center	The Lake Washington Watershed Internship Program	\$50,000	26	This project will enable high school students to become informed stewards of the local ecosystem through hands-on learning, mentoring of local elementary students, ecosystem restoration, and monthly stream monitoring. This will benefit water quality by providing interns with a sense of place and belonging, training as environmental scientists, and forming an environmental identity that builds on and aligns with cultural values.
Parkview Services	Riverton Cascade Affordable Homes	\$111,677	27	This project will implement green stormwater infrastructure in the development of 13 affordable homes for low-income families and persons with disabilities, in partnership with Homestead Community Land Trust. This will benefit water quality by managing the impact of development on water quality and ecosystems, filtering and reducing pollutants at the source, slowing flows, and creating an exemplary green and affordable housing model.



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University of Washington	Drain Games: Apps for Water Quality Education	\$100,000	28	This project will create an educational, digital game (app) in collaboration with King County's Wastewater Treatment Division. This will benefit water quality by teaching water concepts through a medium that is popular and widely accessible, and ensure that the next generation understands water infrastructure issues and solutions.
Total		\$2,139,500		

cc: Mark Isaacson, Division Director, Wastewater Treatment Division, Department of Natural Resources and Parks