



DEPARTMENT OF
ECOLOGY
State of Washington

2017-19 Biennial Municipal Stormwater Grants of Regional or Statewide Significance

Final Offer and Applicant List

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Water Quality Program
Washington State Department of Ecology
Olympia, Washington

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Purpose

This grant program will provide financial assistance to Phase I and Phase II local governments for projects that benefit stormwater management programs statewide or across a region, and support implementation of NPDES municipal stormwater permit programs.

Project benefits may include, but are not limited to:

- Assistance for a number of permittees in a region or statewide to implement permit requirements.
- Development of a product that can be used regionally or statewide.
- Regional or statewide access to advances in stormwater management technology or resources.

NOTE: Capital construction projects are not eligible for funding through this grant program.

Development Process

The Washington Department of Ecology (Ecology) solicited grant proposals for projects of regional or statewide significance to support implementation of the Municipal Stormwater General Permits in July 2017. Funding for this program is carry-forward funding provided by the Washington State Legislature to local governments for the purpose of supporting stormwater permit implementation.

Cities, towns, and counties covered by a Municipal Stormwater permit were eligible to submit project proposals. Ecology stormwater professionals reviewed, rated, and ranked the proposals. This *2017-19 Biennial Municipal Stormwater Grants of Regional and Statewide Significance Final Offer and Applicant List* (Final List) completes the competitive funding process. The Final List identifies stormwater projects with regional and statewide benefits for funding.

Project Rating Criteria

To maximize the effective and efficient use of available funds, Ecology staff developed a priority list of projects by evaluating the project proposals based on rating criteria. Projects must score a minimum of 600 points to be eligible for funding. The principal rating and ranking criteria are outlined below. Tied scores were broken based on the total points for project purpose. If project purpose scores are equal, the project with the higher total scope of work score was prioritized for funding.

| Category | Evaluation Criteria | Maximum Possible Points |
|---|---|-------------------------|
| Project Purpose (275 points) | Supports implementation of permit-required municipal stormwater programs. | 75 |
| | Directly benefits multiple permittees' stormwater management programs. | 75 |
| | Demonstrates regional or statewide significance or value (i.e., is transferable). | 100 |
| | Project will sustain long-term benefits and/or deliverables are durable. | 25 |
| Project Description and Scope of Work (300 points) | Clear project goals. | 50 |
| | Detailed description of project tasks. | 50 |
| | Applicant has identified all tasks necessary to complete project. | 25 |
| | Detailed description of measurable outcomes for applicants. | 75 |
| | Includes specific deliverables to Ecology (linked to tasks). | 50 |
| | Detailed schedule (including major dates and milestones). | 50 |
| Project Team and Project Management (175 points) | Clear team structure with appropriate roles and responsibilities for various partners. Includes appropriate estimates of time dedicated by team members to the project. | 75 |
| | Highly qualified staff, appropriate levels-of-effort and assignments, and multiple permittees are actively engaged in project delivery process. | 75 |
| | Past project performance on similar water quality projects is described and successes or lessons learned are documented. | 25 |
| Project Budget and Readiness to Proceed (250) | Budget is consistent with level of effort described in the scope of work, with a good rationale for how it was calculated. | 150 |
| | Readiness to proceed (e.g., ILAs developed, SEPA, contractors selected or RFP developed, approval from local governments, etc.) | 100 |

Grant Management

The following are important terms and conditions that play a role in the day-to-day decisions made on grant projects. Administrative requirements for grants and loans administered by Ecology are listed in the *Administrative Requirements for Recipients of Ecology Grants and Loans Managed in EAGL*, published September, 2017. This document is available on Ecology's website.

Administration

Applicants may request up to 15 percent of the total eligible project cost for Task 1 Project Administration and Management in the project application. This task will include the cost of preparing quarterly and final reports, payment requests, maintaining project documentation, and managing the project. Project administration is payable only to the lead permittee (the grant recipient).

Recipients may include an overhead charge of up to 25 percent of salaries and benefits for employees for time spent specifically on the project.

The funding agreement is the formal written contractual arrangement signed by authorized representatives of the recipient and Ecology. The agreement, at a minimum, will include: an approved scope of work, total project costs, budget, performance schedule, and Ecology General Terms and Conditions. Ecology assigns a project management team to each funded project. The team consists of:

- A **project manager**, generally from the regional office nearest the recipient (primary contact for technical assistance and day-to-day questions).
- A **financial manager** from the Lacey headquarters office.
- A **project engineer or technical advisor** from either Lacey headquarters or the regional office, as needed.

The **financial manager** reviews and approves payment requests and helps the project manager negotiate agreements and track performance. The **project manager** is the point of contact for all project related questions and works with the financial manager to resolve payment or eligibility issues if they arise.

Ecology may assign a **project engineer or technical advisor** to provide engineering or technical assistance, as necessary. The engineer may also serve as the project manager.

Agreement development

The Ecology project management team will use information contained in the funding proposal as the basis for developing the funding agreement. Ecology may withdraw or reduce project funding if a task is determined to be ineligible during the agreement negotiation process.

Payment requests and project reporting

All grant payments are made on a reimbursement basis. Recipients must provide a progress report with each payment request and at least quarterly. Failure to provide adequate progress reports will result in denied payment requests and may result in project termination or other actions.

If a recipient fails to submit two or more consecutive quarterly reports via the EAGL grant management system, ECOLOGY may consider this failure to provide progress reports as non-performance and initiate actions to amend or terminate this agreement.

These conditions are necessary to ensure 1) Ecology has sufficient funding available to reimburse grant expenses, and 2) Ecology water quality dollars are maximized over the biennia and do not remain obligated to projects that will not be requesting reimbursements for the full value of the grant award.

Project completion dates and extensions

The effective date for the 17-19 Grants of Regional or Statewide Significance is July 1, 2017. Applicants may incur project costs on and after the effective date published in the Final Offer list, but Ecology cannot reimburse expenditures until the agreement has been signed by Ecology's Water Quality Program Manager. While applicants can incur eligible costs before the agreement is signed, they do so at their own risk.

Projects must be completed no later than May 30, 2019. Ecology may approve extensions for extenuating circumstances by formal amendment. Ecology will not authorize extensions for projects that have not diligently pursued project completion or have not provided adequate and timely progress reports. In no case will extensions be approved beyond June 30, 2019.

Program Schedule

| | |
|----------------------------------|--|
| October 2017 | Ecology issues the Final Offer and Applicant List |
| October –December 2017 | Negotiate and sign funding agreements |
| Prior to January 31, 2018 | Recipients must sign and return funding agreement to Ecology |
| April 30, 2018 | First progress report due |
| May 30, 2019 | Grant expires |
| June 30, 2019 | Final payment request due |

Applicant List Summary

Ecology received 18 proposals totaling \$3,434,639 in requests for funding assistance. Based on the funding available, Ecology proposes to fund 5 projects totaling \$842,114. The priority list of rated projects is available at the end of this publication.

17-19 GROSS Grant Final Offer and Applicant List

| Rank | Final Score | Project Number | Recipient | Project Title | Grant Request | Grant Award | Project Description | Footnotes |
|------|-------------|---------------------------|--|---|---------------|-------------|--|-----------|
| 1 | 920 | WQSWGRS-1719-BuriPW-00006 | Burien city of - Public Works Department | Washington Elementary Schools Stormwater Festival (StormFest) | \$152,273 | \$152,273 | This project will create and enhance the implementation of alternative stormwater education curriculum in high-risk school districts across the state. City of Burien and the StormFest Committee will organize and host two 2-day Stormwater Festivals where all 5th grade students within Highline Public Schools can participate in hands-on stormwater education and activities encouraging behavior change that assist local municipalities within the district in meeting their NPDES permit requirements. | 1 |
| 2 | 902.5 | WQSWGRS-1719-SeaPWD-00014 | SeaTac city of - Public Works Department | 2019 Washington State Municipal Stormwater Conference | \$155,252 | \$155,252 | This project will plan, organize, and execute a Washington State Municipal Stormwater Conference (MuniCon), focused specifically on municipal stormwater National Pollutant Discharge Elimination System stormwater permittee needs. The conference will include discussions and presentations covering high-priority permittee issues and challenges, valuable networking opportunities, potential training opportunities (pending coordination with pertinent training programs), and/or educational site visits. | 1 |
| 3 | 887.5 | WQSWGRS-1719-BellPW-00008 | Bellingham city of - Public Works Department | Enhanced Phosphorus-Treatment Media Evaluation | \$300,000 | \$238,466 | This project will evaluate the phosphorus-removal capacity of promising new media mixes, following the process defined in the Technology Assessment Protocol - Ecology (TAPE) Technical Guidance Manual for Evaluating Emerging Stormwater Treatment Technologies. TAPE-approved media, and the data collected, would then be provided openly to other NPDES communities as a non-proprietary BMP for other municipalities in need of high-performance media for use in phosphorus-sensitive watersheds. | 1,2 |
| 4 | 882.55 | WQSWGRS-1719-Tumwat-00029 | Tumwater city of | Construction Stormwater Site Inspection Checklists and Training | \$77,858 | \$77,858 | This project will result in development of a set of construction stormwater site inspection checklists to assist municipal inspectors with more effectively tracking compliance with the inspections required by the NPDES Phase II Permit. Along with the construction stormwater inspection checklists, this project will also include a training component focused on municipal inspectors, but would also be open to builders and developers. | 1,3 |
| 5 | 882.5 | WQSWGRS-1719-KiCoPW-00011 | Kitsap County - Public Works | Low Impact Development Education for Builders and Developers | \$218,265 | \$218,265 | Low Impact Development (LID) education for builders and developers will engage and partner with the development community to provide LID courses and a certificate for individuals in those professions. The training will be developed in cooperation with representatives from the development community and focus on topics most relevant to those audiences and most needed to implement LID effectively. | 1,3 |
| 6 | 852.5 | WQSWGRS-1719-SpCoSU-00022 | Spokane County - Stormwater Utility | Bioretention soil media Study: Comparison of Vegetated vs Non-Vegetated Ponds | \$292,000 | \$0 | This project will evaluate the influence of vegetation on pollutant removal (TSS and dissolved metals) in bioretention BMPs. The study will compare the treatment performance of two identical ponds that contain the same 60:40 media, except one pond will be vegetated and the other non-vegetated with rock mulch. If effective, the study results will be used to justify a modification to the Ecology approved bioretention design guidance to include an option for non-vegetated bioretention ponds. | 4 |
| 7 | 827.5 | WQSWGRS-1719-EverPW-00010 | Everett city of - Public Works Department | Residential LID Maintenance: Effective Education and Outreach Model | \$264,875 | \$0 | This project seeks to model, test and evaluate the most effective outreach methods for educating single-family residential property owners regarding when and how to maintain their Low Impact Development (LID) facilities. The developed outreach guide and customizable educational materials will provide jurisdictions with methods and tools to better achieve the desired maintenance behaviors and can serve as a guide to build awareness of LID principles and BMP's for other target audiences. | 4 |
| 8 | 797.5 | WQSWGRS-1719-KCWLRD-00005 | King County - Water and Land Resources Division | Effect of hardness on Coho pre-spawn mortality | \$166,978 | \$0 | Urban stormwater runoff has been identified as a cause of Coho pre-spawn mortality (PSM) by NOAA, USFWS and the WA Stormwater Center. Prior work indicates that percolating stormwater through a sand/compost mix eliminates PSM; however, the causal factor(s) has not been identified. This study will evaluate whether water hardness could be a causal factor of PSM. If adjusting hardness protects against PSM, then stormwater treatment approaches other than bioretention could be explored to address PSM. | 4 |
| 9 | 795 | WQSWGRS-1719-TacoES-00018 | Tacoma city of - Environmental Services Department | Washington Stormwater Resources Library | \$228,800 | \$0 | This project will plan, develop, refine, and populate a Washington State Stormwater Resources Library (Library) focused specifically on NPDES municipal stormwater permittee needs. The Library will serve as a formal, sustained, and streamlined system to collect, organize, and more efficiently share the many valuable pieces of stormwater information and resources that are being produced among the professional community to support permit compliance. | 4 |
| 10 | 787.5 | WQSWGRS-1719-KiCoPW-00033 | Kitsap County - Public Works | Optimizing Non-Proprietary Pre-Settling for Bioretention Systems | \$145,029 | \$0 | Without proper design and particularly effective pre-settling bioretention systems are increasingly failing. This project will assemble the current science on pre-settling, conduct modeling to predict best sizing and configuration(s) for pre-settling, and conduct a study with conventional and new emerging technologies for pre-settling. | 4 |
| 11 | 785 | WQSWGRS-1719-Kelso-00015 | Kelso city of | Cowlitz Clean Waters Education and Outreach Program | \$29,700 | \$0 | Develop media materials for a regional social marketing campaign by Cowlitz Clean Waters. | 4 |

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|------------|-------------|----------------------------|---|--|---------------|-------------|--|-----------|
| 12 | 755 | WQSWGRS-1719-CICoPW-00017 | Clark County - Public Works Department | Private Stormwater Facility and LID Maintenance Education and Outreach | \$146,487 | \$0 | Many stormwater management facilities, including LID are owned by homeowners' or small businesses lacking expertise in stormwater facility function creating a need for informational materials. The Stormwater Partners of Southwest Washington propose to build upon their existing materials, which serve as an introduction to stormwater facilities and LID, by a set of multimedia deliverables and outreach campaign showing how to maintain individual facility components and their purpose. | 4 |
| 13 | 740 | WQSWGRS-1719-KCWLDRD-00025 | King County - Water and Land Resources Division | Phase III Our Green/Duwamish Watershed Wide Stormwater Strategy | \$251,473 | \$0 | This is the third phase in a multi-year effort to coordinate stormwater management in the Green/Duwamish Watershed and is focused on addressing stormwater impacts on water quality and flow control. This phase will formalize a stakeholder coalition responsible for finalizing an implementation plan and carrying out early stormwater management actions on a watershed-wide scale to improve water quality and quantity. This will support and augment NPDES permit-required stormwater management actions. | 4 |
| 14 | 725 | WQSWGRS-1719-DCoTLS-00027 | Douglas County Transportation and Land Services | Regional Stormwater Quality Outreach Materials for Development | \$125,000 | \$0 | Develop and implement a regional process, including outreach materials, checklists, standards protocols and training for designers and municipal staff to standardize submittal, inspection and certification requirements associated with development permits within the Wenatchee Valley. These strategies will be analyzed to promote and improve permit compliance and acceptance of stormwater regulations. With modifications the process may apply to permittees throughout the state. | 4 |
| 15 | 694.5 | WQSWGRS-1719-KiCoPW-00012 | Kitsap County - Public Works | Stormwater Infiltration Feasibility and Estimating Infiltration Rates | \$280,899 | \$0 | The primary purpose of this proposed program is to improve upon the infiltration assessment methods provided in the SWMMWW and provide an expanded toolbox for evaluating subsurface conditions, evaluating stormwater infiltration feasibility, and estimating infiltration capacity. The key deliverable is a stormwater infiltration guidance manual that can be used by regulators, municipalities, hydrogeologists, and stormwater professionals. | 4 |
| 16 | 612.5 | WQSWGRS-1719-Centra-00031 | Centralia city of | New "FIN2" Mobile Fiberglass Salmon Stormwater Educational Exhibit | \$49,750 | \$0 | The Cities of Centralia and Longview with support of its partners, propose to construct a replica of "FIN," the 28-foot mobile fiberglass salmon educational exhibit. The new "FIN 2" will be able to be used by any Phase I or II municipal stormwater permittee in Washington State for educational events, with a priority given to communities in the south Puget Sound and southwest Washington areas. FIN 2 will further expand on the role of stormwater and its impact on salmon in western Washington. | 4 |
| Ineligible | Not scored | WQSWGRS-1719-KCWLDRD-00024 | King County - Water and Land Resources Division | Poverty Bay Shellfish Protection District Collaborative Approach | \$250,000 | \$0 | To develop a framework for multi-jurisdictional shellfish protection district that can be replicated across Puget Sound. Population is increasing, urbanization is stressing water bodies, and future shellfish protection districts are imminent. This project will strengthen a multi-jurisdictional collaborative approach to create a shellfish protection district with opportunities for sharing resources, monitoring, source control, and communications strategies. | 5 |
| Ineligible | Not scored | WQSWGRS-1719-OakHar-00013 | Oak Harbor city of | Stormwater Interpretive Program | \$300,000 | \$0 | In 2018, the City of Oak Harbor will complete the construction of a new Clean Water Facility, that will include an interpretive center designated the Water Center. This will provide a venue to educate visitors about the benefits of protecting the Puget Sound, the unique history of Oak Harbor, and what practices the City has adopted to improve the natural environment in the region. The focus will be how stormwater pollution prevention, treatment, and awareness is a factor of the water cycle. | 6 |

Footnotes:

1. Maximum grant award. Final grant award will be determined through the grant agreement negotiation process and will be limited to eligible grant expenses.
2. Funds offered are less than the grant request because the proposal included ineligible project components.
3. Two way tie broken by the highest average score for project purpose.
4. The applicant requested funding, however, after higher priority project were proposed for funding, no funding is available.
5. Project does not directly support implementation of Municipal Stormwater Permits
6. Project proposes to build a local facility and is not eligible for funding.